P-W

[redacted]

El Paso Natl Gas La Posa Strat Al Fed
NE NW 24-7N-19W Rio Arriba County 459

COUNTY ~~Yuma~~ La Paz (1983) AREA 16 mi SE Parker LEASE NO. Federal AR 150

WELL NAME El Paso NATURAL Gas Co. [redacted] LaPosa Strat A 1 Zed

LOCATION NE NW SEC 24 TWP 7N RANGE 19W FOOTAGE 660 FNL - 1980 FWL

ELEV 880'Est GR 885 KB SPUD DATE 4-23-68 STATUS P&A 5-1-69 COMP. DATE 6-11-68 TOTAL DEPTH 2815' PB 1460'

CONTRACTOR J O Barnes Drilling Company

CASING SIZE	DEPTH	CEMENT	LINER SIZE & DEPTH
4 1/2"	1460'	184 SKS	NA

DRILLED BY ROTARY x
DRILLED BY CABLE TOOL
PRODUCTIVE RESERVOIR
INITIAL PRODUCTION

FORMATION TOPS	DEPTHS	SOURCE L.L.	SOURCE E.L.	REMARKS
Bouse	850'		x	
Meta	2328'			

ELECTRIC LOGS	PERFORATED INTERVALS	PROD. INTERVALS
IES, GR-N,SLC,CDM	NA	NA
	1215-1225'	
	1211-1221	

SAMPLE LOG R.M.G.E ~~Hydro-carbon Log~~
SAMPLE DESCRP.
SAMPLE NO. Tucson 2522
CORE ANALYSIS
DSTs

REMARKS

APP. TO PLUG x
PLUGGING REP. x
COMP. REPORT x

WATER WELL ACCEPTED BY

BOND CO. Federal Insurance Company BOND NO. 8019 79 57

BOND AMT. $ 25,000 CANCELLED DATE ORGANIZATION REPORT 4-8-68

FILING RECEIPT 9543 LOC. PLAT x WELL BOOK x PLAT BOOK x

API NO. 02-012-20002 DATE ISSUED 4-9-68 DEDICATION None

PERMIT NUMBER 459

(over)

DRILL STEM TEST

NO.	FROM	TO	RESULTS
1	1200	1282	Tool opened/annulus muddropped. Test lost

CORE RECORD

NO.	FROM	TO	RECOVERY	REMARKS
1	2403	2410	7'	
2	2747	2755	8'	fractured hardrock

REMEDIAL HISTORY

DATE STARTED	COMPLETED	WORK PERFORMED	NEW PERFORATIONS

ADDITIONAL INFORMATION

3

WELL COMPLETION OR RECOMPLETION REPORT AND WELL LOG

DESIGNATE TYPE OF COMPLETION:

New Well [X] Work-Over [ ] Deepen [ ] Plug Back [X] Same Reservoir [ ] Different Reservoir [ ] Oil [ ] Gas [ ] Dry [X]

DESCRIPTION OF WELL AND LEASE

Operator: El Paso Natural Gas Company	Address: Box 990, Farmington, New Mexico - 87401
Federal, State or Indian Lease Number or name of lessor if fee lease: USA Arizona #150 La Posa Strat A	Well Number: 1 / Field & Reservoir: Wildcat (Stratigraph Test)
Location: 660'N, 1980'W	County: Yuma
Sec. TWP-Range or Block & Survey: Sec. 24, T-7-N, R-19-W	

Date spudded	Date total depth reached	Date completed, ~~ready to produce~~	Elevation (DF, RKB, RT or Gr.) feet	Elevation of casing hd. flange feet
4-23-68	6-7-68	6-11-68	878.8 GL	879.8

Total depth	P.B.T.D.	Single, dual or triple completion?	If this is a dual or triple completion, furnish separate report for each completion.
~~TD~~ 2815	1460	Single	

Producing interval (s) for this completion	Rotary tools used (interval)	Cable tools used (interval)
None	0 - 2815'	

Was this well directionally drilled?	Was directional survey made?	Was copy of directional survey filed?	Date filed
No	No		

Type of electrical or other logs run (check logs filed with the commission)	Date filed
I-ES, GR-N, SLC, CDM	

CASING RECORD

Casing (report all strings set in well—conductor, surface, intermediate, producing, etc.)

Purpose	Size hole drilled	Size casing set	Weight (lb./ft.)	Depth set	Sacks cement	Amt. pulled
	6 3/4"	4 1/2"	10.5#	1460'	184	

TUBING RECORD			LINER RECORD				
Size	Depth set	Packer set at	Size	Top	Bottom	Sacks cement	Screen (ft.)
None in.	ft.	ft.	in.	ft.	ft.		

PERFORATION RECORD			ACID, SHOT, FRACTURE, CEMENT SQUEEZE RECORD	
Number per ft.	Size & type	Depth Interval	Am't. & kind of material used	Depth Interval
2 SPF		1215 - 1225	None	

INITIAL PRODUCTION

Date of first production	Producing method (indicate if flowing, gas lift or pumping—if pumping, show size & type of pump:)
	Dry Hole - Shut-In

Date of test	Hrs. tested	Choke size	Oil prod. during test	Gas prod. during test	Water prod. during test	Oil gravity
			bbls.	MCF	bbls.	° API (Corr)

Tubing pressure	Casing pressure	Cal'ted rate of Production per 24 hrs.	Oil	Gas	Water	Gas—oil ratio
			bbls.	MCF	bbls.	

Disposition of gas (state whether vented, used for fuel or sold):

CERTIFICATE: I, the undersigned, under the penalty of perjury, state that I am the Petroleum Engineer of the El Paso Natural Gas Company (company), and that I am authorized by said company to make this report; and that this report was prepared under my supervision and direction and that the facts stated therein are true, correct and complete to the best of my knowledge.

June 25, 1968
Date

Signature

RECEIVED JUN 27 1968 STATE O & G CONS. COMM.

Permit No. 459

STATE OF ARIZONA
OIL & GAS CONSERVATION COMMISSION
Well Completion or Recompletion Report and Well Log
File One Copy
Form No. 4

(Complete Reverse Side)

DETAIL OF FORMATIONS PENETRATED

Formation	Top	Bottom	Description*
Bouse	850	1197	
Basement Complex (Meta)	2328	2815	

* Show all important zones of porosity, detail of all cores, and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries.

INSTRUCTIONS:

Attach drillers log or other acceptable log of well.

This Well Completion or Recompletion report and well log shall be filed with the State of Arizona Oil & Gas Conservation Commission not later than thirty days after project completion.

Form No. 4

PLUGGING RECORD

Operator: El Paso Natural Gas Company	Address: Box 990, Farmington, New Mexico - 87401
Federal, State, or Indian Lease Number, or lessor's name if fee lease: USA Arizona 150 La Posa Strat A	Well No.: 1
Field & Reservoir: Wildcat - Stratigraphic Test	
Location of Well: 660'N, 1980'W, Sec. 24, T-7-N, R-19-W G & RSM	Sec-Twp-Rge or Block & Survey: G & RSM
County: Yuma	
Application to drill this well was filed in name of: El Paso Natural Gas Co.	Has this well ever produced oil or gas: No
Character of well at completion (initial production): Oil (bbls/day):	Gas (MCF/day):
Dry?: Yes	
Date plugged: 5-1-69	Total depth: 1460'
Amount well producing when plugged: Oil (bbls/day):	Gas (MCF/day):
Water (bbls/day):	

Name of each formation containing oil or gas. Indicate which formation open to wellbore at time of plugging	Fluid content of each formation	Depth interval of each formation	Size, kind & depth of plugs used Indicate zones squeeze cemented, giving amount cement
None			

CASING RECORD

Size pipe	Put in well (ft.)	Pulled out (ft.)	Left in well (ft.)	Give depth and method of parting casing (shot, ripped, etc.)	Packers and shoes
4 1/2"	1460'	None	1460'		

RECEIVED MAY 29 1969 STATE O & G CONS. COMM.

Was well filled with mud-laden fluid, according to regulations? Cement from 1460' to surface

Indicate deepest formation containing fresh water.

NAMES AND ADDRESSES OF ADJACENT LEASE OPERATORS OR OWNERS OF THE SURFACE

Name	Address	Direction from this well:

In addition to other information required on this form, if this well was plugged back for use as a fresh water well, give all pertinent details of plugging operations to base of fresh water sand, perforated interval to fresh water sand, name and address of surface owner, and attach letter from surface owner authorizing completion of this well as a water well and agreeing to assume full liability for any subsequent plugging which might be required.

Use reverse side for additional detail.

CERTIFICATE: I, the undersigned, under the penalty of perjury, state that I am the Regional Petroleum Engineer of the El Paso Natural Gas Company (company) and that I am authorized by said company to make this report; and that this report was prepared under my supervision and direction and that the facts stated therein are true, correct and complete to the best of my knowledge.

May 5, 1969
Date

Signature

Permit No. 459

STATE OF ARIZONA
OIL & GAS CONSERVATION COMMISSION
Plugging Record
File One Copy

Form No. 10

APPLICATION TO ABANDON AND PLUG

FIELD Wildcat - Stratigraphic Test

OPERATOR El Paso Natural Gas Company ADDRESS Box 990, Farmington, New Mexico - 87401

Federal, State, or Indian Lease Number
or Lessor's Name if Fee Lease USA Arizona #150 La Posa Strat A WELL NO. 1

SURVEY _____ SECTION 24 COUNTY Yuma

LOCATION 660'N, 1980'W , T-7-N, R-19-W, G&RSM

TYPE OF WELL Stratigraphic Test (Oil, Gas or Dry Hole) TOTAL DEPTH 1460'

ALLOWABLE (If Assigned) _____

LAST PRODUCTION TEST OIL _____ (Bbls.) WATER _____ (Bbls.)

GAS _____ (MCF) DATE OF TEST _____

PRODUCING HORIZON _____ PRODUCING FROM _____ TO _____

1. COMPLETE CASING RECORD 4 1/2", 10.5#, J-55 set at 1460' cemented w/184 sacks of cement.

2. FULL DETAILS OF PROPOSED PLAN OF WORK Plug the annulus of 2" tubing and 4 1/2" casing w/100 sacks of cement. Surface hole has been previously cemented around the 4 1/2" casing.

If well is to be abandoned, does proposed work conform with requirements of Rule 202? Yes. If not, outline proposed procedure above.

DATE COMMENCING OPERATIONS 5-1-69 (Verbal approval on 3-26-69)

NAME OF PERSON DOING WORK Edward S. Oberly ADDRESS Box 990, Farmington, N. M. - 87401

CORRESPONDENCE SHOULD BE SENT TO E. S. Oberly
Name

Regional Petroleum Engineer
Title

P. O. Box 990, Farmington, New Mexico - 87401
Address

May 5, 1969
Date

RECEIVED MAY 20 1969 STATE O & G CONS. COMM.

Date Approved _____

STATE OF ARIZONA
OIL & GAS CONSERVATION COMMISSION

By: _____

Permit No. 459

STATE OF ARIZONA
OIL & GAS CONSERVATION COMMISSION
Application to Abandon and Plug
File Two Copies

Form No. 9

Form 9-331
(May 1963)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1424.

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL ☐ GAS WELL ☐ OTHER Stratigraphic Test

2. NAME OF OPERATOR: El Paso Natural Gas Company

3. ADDRESS OF OPERATOR: PO Box 990, Farmington, NM 87401

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface: 660'N, 198'W

5. LEASE DESIGNATION AND SERIAL NO.: USA Arizona #150

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT AGREEMENT NAME:

8. FARM OR LEASE NAME: LaPosa Strat A

9. WELL NO.: 1 (P&A)

10. FIELD AND POOL, OR WILDCAT: Wildcat

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: Sec. 24, T-7-N, R-19-W

12. COUNTY OR PARISH: Yuma

13. STATE: Arizona

14. PERMIT NO.: Arizona 459

15. ELEVATIONS (Show whether DF, RT, GR, etc.): 878.8'GL

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF	☐	PULL OR ALTER CASING	☐
FRACTURE TREAT	☐	MULTIPLE COMPLETE	☐
SHOOT OR ACIDIZE	☐	ABANDON*	☐
REPAIR WELL	☐	CHANGE PLANS	☐
(Other)			

SUBSEQUENT REPORT OF:

WATER SHUT-OFF	☐	REPAIRING WELL	☐
FRACTURE TREATMENT	☐	ALTERING CASING	☐
SHOOTING OR ACIDIZING	☐	ABANDONMENT*	X
(Other)			

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

This well was plugged and abandoned as follows:

Squeezed 100 sks. of cement down casing and tubing back to surface.
Surface hole had been previously cemented around the 4 1/2" casing.
Installed Plugged and Abandoned marker.

Above work was completed on May 1, 1969.

Location was cleaned up on September 23, 1972.

RECEIVED
OCT 05 1972
O & G CONS. COMM.

18. I hereby certify that the foregoing is true and correct

SIGNED [signature] TITLE Petroleum Engineer DATE September 29, 1972

(This space for Federal or State office use)

APPROVED BY [signature] TITLE District Engineer DATE Oct. 3, 1972

CONDITIONS OF APPROVAL, IF ANY:

GEOLOGICAL SURVEY
RECEIVED
OCT 3 - 1972
BAKERSFIELD

*See Instructions on Reverse Side

3

Ariz. ~~N.M.~~ O. C. C. COPY

Form 9-331
(May 1963)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1424.

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL [ ] GAS WELL [X] OTHER

2. NAME OF OPERATOR
El Paso Natural Gas Company

3. ADDRESS OF OPERATOR
Box 990, Farmington, New Mexico - 87401

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.)
At surface
660'N, 1980'W

5. LEASE DESIGNATION AND SERIAL NO.
USA Arizona #150

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
La Posa Strat A

9. WELL NO.
1 (P&A)

10. FIELD AND POOL, OR WILDCAT
Wildcat

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 24, T-7-N, R-19-W
G & SRM

12. COUNTY OR PARISH
Yuma

13. STATE
Arizona

14. PERMIT NO.
Arizona 459

15. ELEVATIONS (Show whether DF, RT, GR, etc.)
878.8' GL

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF	[ ]	PULL OR ALTER CASING	[ ]
FRACTURE TREAT	[ ]	MULTIPLE COMPLETE	[ ]
SHOOT OR ACIDIZE	[ ]	ABANDON*	[X]
REPAIR WELL	[ ]	CHANGE PLANS	[ ]
(Other)			

SUBSEQUENT REPORT OF:

WATER SHUT-OFF	[ ]	REPAIRING WELL	[ ]
FRACTURE TREATMENT	[ ]	ALTERING CASING	[ ]
SHOOTING OR ACIDIZING	[ ]	ABANDONMENT*	[ ]
(Other)			

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

It is intended to plug this well in the following manner:

Plug the annulus of 2" tubing and 4 1/2" casing with 100 sacks of cement.

Fill 2" tubing with cement.

Screw 2" x 4' dry hole marker into tubing.

Clean up location.

5. All casing and tubing will be left in the well.

RECEIVED
MAY 25 1969
STATE O & G
CONS. COMM.

The above method was approved verbally by phone on 3-26-69

RECEIVED
MAY 20 1969
U. S. GEOLOGICAL SURVEY
ARTESIA, NEW MEXICO

18. I hereby certify that the foregoing is true and correct

SIGNED ORIGINAL SIGNED E. S. OBERLY TITLE Petroleum Engineer DATE 5-5-69

(This space for Federal or State office use)

APPROVED BY _____ TITLE DISTRICT ENGINEER DATE MAY 21 1969
CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

5

459

El Paso Natural Gas Company

El Paso, Texas 79999

ADDRESS REPLY TO
POST OFFICE BOX 990
FARMINGTON, NEW MEXICO 87401

May 1, 1969

La Posa "A" #1

Plugged and abandoned well 5-1-69. Squeezed w/10sacks cement down tubing, 90 sacks cement down casing. Final squeeze pressure1000#. Installed dry hole marker. Will clean up location today & also clean up location of La Posa B #1.

4c

EL PASO NATURAL GAS COMPANY

brs

RECEIVED
MAY 5 1969
STATE O & G
CONS. COMM.

4/59

Form 9-330
(Rev. 5-63)

UN[illegible] STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLI[illegible]
(See o[illegible] structions on reverse side)

Form approved.
Budget Bureau No. 42-R355.5.

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

1a. TYPE OF WELL: OIL WELL ☐ GAS WELL ☐ DRY ☒ Other Stratigraph

b. TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ Other

2. NAME OF OPERATOR: El Paso Natural Gas Company

3. ADDRESS OF OPERATOR: Box 990, Farmington, New Mexico - 87401

4. LOCATION OF WELL (*Report location clearly and in accordance with any State requirements*)*
At surface 660'N, 1980'W
At top prod. interval reported below
At total depth

5. LEASE DESIGNATION AND SERIAL NO.: USA Arizona A-150

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME: La Posa Strat A

9. WELL NO.: 1

10. FIELD AND POOL, OR WILDCAT: Wildcat

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA: Sec. 24, T-7-N, R-19-W

12. COUNTY OR PARISH: Yuma

13. STATE: Arizona

14. PERMIT NO.: 459 DATE ISSUED: 4-9-68

15. DATE SPUDDED: 4-23-68
16. DATE T.D. REACHED: 6-7-68
17. DATE COMPL. (*Ready to prod.*): 6-11-68
18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*: 878.8' GL
19. ELEV. CASINGHEAD: 879.8' GL

20. TOTAL DEPTH, MD & TVD: 2815'
21. PLUG, BACK T.D., MD & TVD: 1460'
22. IF MULTIPLE COMPL., HOW MANY*:
23. INTERVALS DRILLED BY: → ROTARY TOOLS: 0 - 2815 CABLE TOOLS:

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*: None

25. WAS DIRECTIONAL SURVEY MADE: No

26. TYPE ELECTRIC AND OTHER LOGS RUN: I-ES, GR-N, SLC, CDM

27. WAS WELL CORED: Yes

28. CASING RECORD (*Report all strings set in well*)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
4 1/2"	10.5#	1460'	6 3/4"	184 Sks.	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)

31. PERFORATION RECORD (*Interval, size and number*)
1215 - 1225' w/2 SPF

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
None	

33.* PRODUCTION

DATE FIRST PRODUCTION: Dry Hole
PRODUCTION METHOD (*Flowing, gas lift, pumping—size and type of pump*):
WELL STATUS (*Producing or shut-in*): Shut In

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD →	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE →	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	

34. DISPOSITION OF GAS (*Sold, used for fuel, vented, etc.*)

TEST WITNESSED BY

35. LIST OF ATTACHMENTS

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED ORIGINAL SIGNED E. S. OBERLY TITLE Petroleum Engineer DATE 6-25-68

*(See Instructions and Spaces for Additional Data on Reverse Side)

RECEIVED JUN 27 1968 U.S. GEOLOGICAL SURVEY ARTESIA, NEW MEXICO

RECEIVED JUL 15 1968 STATE OF ARIZONA OIL & GAS CONSERVATION COMM.

459

INSTRUCTIONS

General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.
If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.
Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.
Item 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments.
Items 22 and 24: If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.
Item 29: *"Sacks Cement":* Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.
Item 33: Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

37. SUMMARY OF POROUS ZONES:
SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.

38. GEOLOGIC MARKERS

NAME	TOP MEAS. DEPTH	TOP TRUE VERT. DEPTH
Bouse	850	
Basement Complex (Meta)	2328	

U.S. GOVERNMENT PRINTING OFFICE: 1963—O-683636

Form 22-2 (Rev. 1-61)

EL PASO NATURAL GAS COMPANY
DRILLING DEPARTMENT

DAILY DRILLING REPORT

REPORT NO. 16 DATE 5-8 1968

LEASE La Posa State WELL NO. 1 CONTRACTOR J.O. Barnes Drlg. Co. RIG NO. 9

MORNING

Driller Total Men In Crew

FROM	TO	FORMATION	WT-BIT	R.P.M.

BIT NO.
SERIAL NO.
SIZE
TYPE
MAKE

NO. DC ____ SIZE ____ LENG. ____
NO. DC ____ SIZE ____ LENG. ____
STANDS
SINGLES
DOWN ON KELLY
TOTAL DEPTH

MUD RECORD			MUD, ADDITIVES USED AND RECEIVED
Time	Wt.	Vis.	

FROM	TO	TIME BREAKDOWN

REMARKS -

DAYLIGHT

Driller Elmer Martin Total Men In Crew 2

FROM	TO	FORMATION	WT-BIT	R.P.M.
2030	2034	4' Recovery		

BIT NO. 1
SERIAL NO. TPR
SIZE 4 3/4
TYPE Dia
MAKE Cis.

NO. DC ____ SIZE ____ LENG. ____
NO. DC ____ SIZE ____ LENG. ____
STANDS
SINGLES
DOWN ON KELLY
TOTAL DEPTH

MUD RECORD			MUD, ADDITIVES USED AND RECEIVED
Time	Wt.	Vis.	
	9.2	37	20# Caustic
			1 sx Q-Brazin

FROM	TO	TIME BREAKDOWN
6:00	6:30	Rig Svc.
6:30	9:30	Pick'd up Core Bbl. - Go in Hole.
9:30	10:37	Circ. - Condition Mud.
10:37	11:22	CORING. 4'
11:22	2:30	Trip out - Lay Core Bbl. down.
2:30		Logging Hole.

REMARKS -

EVENING

Driller Total Men In Crew

FROM	TO	FORMATION	WT-BIT	R.P.M.

BIT NO.
SERIAL NO.
SIZE
TYPE
MAKE

NO. DC ____ SIZE ____ LENG. ____
NO. DC ____ SIZE ____ LENG. ____
STANDS
SINGLES
DOWN ON KELLY
TOTAL DEPTH

MUD RECORD			MUD, ADDITIVES USED AND RECEIVED
Time	Wt.	Vis.	

FROM	TO	TIME BREAKDOWN

REMARKS -

SIGNED: Toolpusher Elmer Martin Company Supervisor E S Oberly

Form 22-2 (Rev. 1-61)

EL PASO NATURAL GAS COMPANY
DRILLING DEPARTMENT

DAILY DRILLING REPORT

LEASE La Posa Strat WELL NO. 1 CONTRACTOR J.O. Barnes Drlg Co. RIG NO. 9 REPORT NO. 15 DATE 5-7 1968

MORNING

Driller Total Men In Crew

FROM	TO	FORMATION	WT-BIT	R.P.M.

NO. DC ____ SIZE ____ LENG. ____
NO. DC ____ SIZE ____ LENG. ____

BIT NO.
SERIAL NO.
SIZE
TYPE
MAKE

STANDS
SINGLES
DOWN ON KELLY
TOTAL DEPTH

MUD RECORD			MUD, ADDITIVES USED AND RECEIVED
Time	Wt.	Vis.	

FROM	TO	TIME BREAKDOWN

REMARKS –

DAYLIGHT

Driller Elmer Martin Total Men In Crew 2

FROM	TO	FORMATION	WT-BIT	R.P.M.
1940	2030			

NO. DC ____ SIZE ____ LENG. ____
NO. DC ____ SIZE ____ LENG. ____

BIT NO. 9
SERIAL NO. 4538
SIZE 4 3/4
TYPE K-3
MAKE Williams

STANDS
SINGLES
DOWN ON KELLY
TOTAL DEPTH

MUD RECORD			MUD, ADDITIVES USED AND RECEIVED
Time	Wt.	Vis.	5 Gal Soap
			3 sx Q-Broxin
			2 sx Soda Ash
			2 sx Drextrid

FROM	TO	TIME BREAKDOWN
5:00	5:30	Rig Svr.
5:30	8:00	Trip in Hole.
8:00	9:15	Condition Mud.
9:15	3:30	Drlg.
3:30	4:00	Circ.
4:00	6:30	Trip out.

REMARKS –

EVENING

Driller Total Men In Crew

FROM	TO	FORMATION	WT-BIT	R.P.M.

NO. DC ____ SIZE ____ LENG. ____
NO. DC ____ SIZE ____ LENG. ____

BIT NO.
SERIAL NO.
SIZE
TYPE
MAKE

STANDS
SINGLES
DOWN ON KELLY
TOTAL DEPTH

MUD RECORD			MUD, ADDITIVES USED AND RECEIVED
Time	Wt.	Vis.	

FROM	TO	TIME BREAKDOWN

REMARKS –

SIGNED: Toolpusher Elmer Martin Company Supervisor E S Odenley

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EL PASO NATURAL GAS COMPANY
DRILLING DEPARTMENT

22-2 (Rev. 1-61)

REPORT NO. 14

CONTRACTOR T.O. Barnes Drlg. Co. RIG NO. 9

ASE La Posa State WELL NO. 1

DAYLIGHT

Driller Elmer Martin Total Men In Crew 2

FROM	TO	FORMATION	WT-BIT	R.P.M.
1830	1940			

NO. DC ___ SIZE ___ LENG. ___
NO. DC ___ SIZE ___ LENG. ___
STANDS
SINGLES
DOWN ON KELLY
TOTAL DEPTH

BIT NO. 8
SERIAL NO. TF
SIZE 4 3/4
TYPE K-3
MAKE William

MUD, ADDITIVES USED AND RECEIVED
25x Q-Broxin

MUD RECORD

Time	Wt.	Vis.
	9.6	38

TIME BREAKDOWN

FROM	TO	
5:30	6:00	Rig Svc.
6:00	8:00	Trip in Hole.
8:00	8:30	Circ.
8:30	4:00	Drlg.
4:00	4:30	Circ.
4:30	6:30	Trip out

REMARKS –

EVENING

Driller Total Men In Crew

FROM	TO	FORMATION	WT-BIT	R.P.M.

NO. DC ___ SIZE ___ LENG. ___
NO. DC ___ SIZE ___ LENG. ___
STANDS
SINGLES
DOWN ON KELLY
TOTAL DEPTH

BIT NO.
SERIAL NO.
SIZE
TYPE
MAKE

MUD, ADDITIVES USED AND RECEIVED

MUD RECORD

Time	Wt.	Vis.

TIME BREAKDOWN

FROM	TO	

REMARKS –

SIGNED: Toolpusher Elmer Martin

Company Supervisor E S Oakley

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Form 22-2 (Rev. 1-61)

EL PASO NATURAL GAS COMPANY
DRILLING DEPARTMENT

DAILY DRILLING REPORT

LEASE La Posa STRAT WELL NO. 1 CONTRACTOR J.O. Barnes Drlg. Co RIG NO. 9 REPORT NO. 14 DATE 5-6 1962

MORNING

Driller Total Men In Crew

FROM	TO	FORMATION	WT-BIT	R.P.M.

BIT NO.
SERIAL NO.
SIZE
TYPE
MAKE

NO. DC ____ SIZE ____ LENG. ____
NO. DC ____ SIZE ____ LENG. ____
STANDS
SINGLES
DOWN ON KELLY
TOTAL DEPTH

MUD RECORD

Time	Wt.	Vis.

MUD, ADDITIVES USED AND RECEIVED

FROM	TO	TIME BREAKDOWN

REMARKS –

DAYLIGHT

Driller Elmer Martin Total Men In Crew 2

FROM	TO	FORMATION	WT-BIT	R.P.M.
1230	1940			

BIT NO. 8
SERIAL NO. RR
SIZE 4 3/4
TYPE K-3
MAKE William

NO. DC ____ SIZE ____ LENG. ____
NO. DC ____ SIZE ____ LENG. ____
STANDS
SINGLES
DOWN ON KELLY
TOTAL DEPTH

MUD RECORD

Time	Wt.	Vis.
	9.6	38

MUD, ADDITIVES USED AND RECEIVED

25x Q-Broxin

FROM	TO	TIME BREAKDOWN
5:30	6:00	Rig Svc.
6:00	8:00	Trip in Hole.
8:00	8:30	Circ.
8:30	4:00	Drlg.
4:00	4:30	Circ.
4:30	6:30	Trip out

REMARKS –

EVENING

Driller Total Men In Crew

FROM	TO	FORMATION	WT-BIT	R.P.M.

BIT NO.
SERIAL NO.
SIZE
TYPE
MAKE

NO. DC ____ SIZE ____ LENG. ____
NO. DC ____ SIZE ____ LENG. ____
STANDS
SINGLES
DOWN ON KELLY
TOTAL DEPTH

MUD RECORD

Time	Wt.	Vis.

MUD, ADDITIVES USED AND RECEIVED

FROM	TO	TIME BREAKDOWN

REMARKS –

SIGNED: Toolpusher Elmer Martin Company Supervisor E S Oakely

Form 22-2 (Rev. 1-61)

EL PASO NATURAL GAS COMPANY
DRILLING DEPARTMENT

DAILY DRILLING REPORT

LEASE La Posa Strat WELL NO. 1 CONTRACTOR J.O. Barnes Drlg Co RIG NO. 9 REPORT NO. 13 DATE 5-5 1968

MORNING

Driller Total Men In Crew

FROM	TO	FORMATION	WT-BIT	R.P.M.

BIT NO.
SERIAL NO.
SIZE
TYPE
MAKE

NO. DC ____ SIZE ____ LENG. ____
NO. DC ____ SIZE ____ LENG. ____
STANDS
SINGLES
DOWN ON KELLY
TOTAL DEPTH

MUD RECORD			MUD, ADDITIVES USED AND RECEIVED
Time	Wt.	Vis.	

FROM	TO	TIME BREAKDOWN

REMARKS –

DAYLIGHT

Driller Elmer Martin Total Men In Crew 2

FROM	TO	FORMATION	WT-BIT	R.P.M.
1730	1830			

BIT NO. 8
SERIAL NO. 3194
SIZE 4.3/4
TYPE K-3
MAKE Williams

NO. DC ____ SIZE ____ LENG. ____
NO. DC ____ SIZE ____ LENG. ____
STANDS
SINGLES
DOWN ON KELLY
TOTAL DEPTH

MUD RECORD			MUD, ADDITIVES USED AND RECEIVED
Time	Wt.	Vis.	
	9.6	36	1sx Soda Ash 1sx Q-Broxin

FROM	TO	TIME BREAKDOWN
6:30	7:00	Rig Sup.
7:00	8:00	Condition Mud.
8:00	8:30	Trip in Hole.
8:30	10:00	Circ.
10:00	4:00	Drlg.
4:00	4:30	Circ.

REMARKS –
4:30 - 6:30 Trip out.

EVENING

Driller Total Men In Crew

FROM	TO	FORMATION	WT-BIT	R.P.M.

BIT NO.
SERIAL NO.
SIZE
TYPE
MAKE

NO. DC ____ SIZE ____ LENG. ____
NO. DC ____ SIZE ____ LENG. ____
STANDS
SINGLES
DOWN ON KELLY
TOTAL DEPTH

MUD RECORD			MUD, ADDITIVES USED AND RECEIVED
Time	Wt.	Vis.	

FROM	TO	TIME BREAKDOWN

REMARKS –

SIGNED: Toolpusher Elmer Martin Company Supervisor E S Oberly

Form 23-2 (Rev. 1-61)

EL PASO NATURAL GAS COMPANY

DRILLING DEPARTMENT

DAILY DRILLING REPORT

LEASE La Posa Strat WELL NO. 1 CONTRACTOR J.O. Barnes Drlg. Co RIG NO. 9 REPORT NO. 12 DATE 5-3 1968

MORNING

Driller Total Men In Crew

FROM	TO	FORMATION	WT-BIT	R.P.M.

BIT NO.
SERIAL NO.
SIZE
TYPE
MAKE

NO. DC ____ SIZE ____ LENG. ____
NO. DC ____ SIZE ____ LENG. ____
STANDS
SINGLES
DOWN ON KELLY
TOTAL DEPTH

MUD RECORD			MUD, ADDITIVES USED AND RECEIVED
Time	Wt.	Vis.	

FROM	TO	TIME BREAKDOWN

REMARKS -

DAYLIGHT

Driller Elmer Martin Total Men In Crew 2

FROM	TO	FORMATION	WT-BIT	R.P.M.
1600	1730			

BIT NO. 8
SERIAL NO. 3194
SIZE 4 3/4
TYPE K-3
MAKE Williams

NO. DC ____ SIZE ____ LENG. ____
NO. DC ____ SIZE ____ LENG. ____
STANDS
SINGLES
DOWN ON KELLY
TOTAL DEPTH

MUD RECORD			MUD, ADDITIVES USED AND RECEIVED
Time	Wt.	Vis.	
	9.7	38	15# Soda Ash

FROM	TO	TIME BREAKDOWN
6:30	7:00	Rig Svc.
7:00	8:45	Trip in Hole.
8:45	9:12	Circ.
9:12	4:00	Drlg.
4:00	4:30	Circ.
4:30	6:30	Trip out.

REMARKS -

EVENING

Driller Total Men In Crew

FROM	TO	FORMATION	WT-BIT	R.P.M.

BIT NO.
SERIAL NO.
SIZE
TYPE
MAKE

NO. DC ____ SIZE ____ LENG. ____
NO. DC ____ SIZE ____ LENG. ____
STANDS
SINGLES
DOWN ON KELLY
TOTAL DEPTH

MUD RECORD			MUD, ADDITIVES USED AND RECEIVED
Time	Wt.	Vis.	

FROM	TO	TIME BREAKDOWN

REMARKS -

SIGNED: Toolpusher Elmer Martin Company Supervisor E S Oberly

Form 22-2 (Rev. 1-61)

EL PASO NATURAL GAS COMPANY
DRILLING DEPARTMENT

DAILY DRILLING REPORT

LEASE La Posa State WELL NO. 1 CONTRACTOR J.O. Barnes Drlg. Co RIG NO. 4 REPORT NO. 11 DATE 5-2 1968

MORNING

Driller Total Men In Crew

FROM	TO	FORMATION	WT-BIT	R.P.M.

NO. DC ____ SIZE ____ LENG. ____
NO. DC ____ SIZE ____ LENG. ____

BIT NO.
SERIAL NO.
SIZE
TYPE
MAKE

STANDS
SINGLES
DOWN ON KELLY
TOTAL DEPTH

MUD RECORD

Time	Wt.	Vis.

MUD, ADDITIVES USED AND RECEIVED

FROM	TO	TIME BREAKDOWN

REMARKS –

DAYLIGHT

Driller Elmer Martin Total Men In Crew 2

FROM	TO	FORMATION	WT-BIT	R.P.M.
15-20	1600			

NO. DC ____ SIZE ____ LENG. ____
NO. DC ____ SIZE ____ LENG. ____

BIT NO. 7
SERIAL NO. RR
SIZE 4¾
TYPE K-2
MAKE Williams

STANDS
SINGLES
DOWN ON KELLY
TOTAL DEPTH

MUD RECORD

Time	Wt.	Vis.
	9.6	37

MUD, ADDITIVES USED AND RECEIVED

3 sx CC-16 | 10# Caustic
2# Cal Soap | 2 sx P-Broxin
25# Bilrx
3½ sx Soda Ash

FROM	TO	TIME BREAKDOWN
6:30	7:00	Rig Svc.
7:00	8:45	Trip in Hole.
8:45	9:15	Circ.
9:15	2:30	Drlg.
2:30	3:30	Repairs to Mud Pump
3:30	3:40	Drlg.

REMARKS –
3:40 – 4:00 Circ.
4:00 – 6:30 Trip out

EVENING

Driller Total Men In Crew

FROM	TO	FORMATION	WT-BIT	R.P.M.

NO. DC ____ SIZE ____ LENG. ____
NO. DC ____ SIZE ____ LENG. ____

BIT NO.
SERIAL NO.
SIZE
TYPE
MAKE

STANDS
SINGLES
DOWN ON KELLY
TOTAL DEPTH

MUD RECORD

Time	Wt.	Vis.

MUD, ADDITIVES USED AND RECEIVED

FROM	TO	TIME BREAKDOWN

REMARKS –

SIGNED: Toolpusher Elmer Martin Company Supervisor E S Oberly

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Form 22-2 (Rev. 1-61)

EL PASO NATURAL GAS COMPANY

DRILLING DEPARTMENT

DAILY DRILLING REPORT

LEASE La Posa State WELL NO. 1 CONTRACTOR J.O. Barnes Drlg. Co. RIG NO. 9 REPORT NO. 10 DATE ~~4-30~~ 5-1 1968

MORNING

Driller Total Men In Crew

FROM	TO	FORMATION	WT-BIT	R.P.M.

NO. DC ____ SIZE ____ LENG. ____

NO. DC ____ SIZE ____ LENG. ____

BIT NO.

SERIAL NO.

SIZE

TYPE

MAKE

STANDS

SINGLES

DOWN ON KELLY

TOTAL DEPTH

MUD RECORD

Time	Wt.	Vis.

MUD, ADDITIVES USED AND RECEIVED

FROM	TO	TIME BREAKDOWN

REMARKS –

DAYLIGHT

Driller Edmund Martin Total Men In Crew 2

FROM	TO	FORMATION	WT-BIT	R.P.M.
1405	1520			

NO. DC ____ SIZE ____ LENG. ____

NO. DC ____ SIZE ____ LENG. ____

BIT NO. 7

SERIAL NO. 6112

SIZE 4 3/4

TYPE K-2

MAKE Williams

STANDS

SINGLES

DOWN ON KELLY

TOTAL DEPTH

MUD RECORD

Time	Wt.	Vis.
	9.5	38

MUD, ADDITIVES USED AND RECEIVED

3 sx CC-16

3 1/2 sx Dextrid

50# Caustic

2 1/2 Gals. Scoop

FROM	TO	TIME BREAKDOWN
6:30	7:00	Rig Svc.
7:00	9:00	Trip in Hole.
9:00	9:20	Circ.
9:20	3:50	Drlg.
3:50	4:20	Circ.
4:20	6:30	Trip out.

REMARKS –

EVENING

Driller Total Men In Crew

FROM	TO	FORMATION	WT-BIT	R.P.M.

NO. DC ____ SIZE ____ LENG. ____

NO. DC ____ SIZE ____ LENG. ____

BIT NO.

SERIAL NO.

SIZE

TYPE

MAKE

STANDS

SINGLES

DOWN ON KELLY

TOTAL DEPTH

MUD RECORD

Time	Wt.	Vis.

MUD, ADDITIVES USED AND RECEIVED

FROM	TO	TIME BREAKDOWN

REMARKS –

SIGNED: Toolpusher Edmund Martin Company Supervisor E S Oldenby

Form 22-2 (Rev. 1-61)

EL PASO NATURAL GAS COMPANY

DRILLING DEPARTMENT

DAILY DRILLING REPORT

LEASE La Posa STRAT WELL NO. 1 CONTRACTOR J.O. BARNES Drlg. Co. RIG NO. 9 REPORT NO. 9 DATE 4-30 1968

MORNING

Driller Total Men In Crew

FROM	TO	FORMATION	WT-BIT	R.P.M.

BIT NO.
SERIAL NO.
SIZE
TYPE
MAKE

NO. DC ____ SIZE ____ LENG. ____
NO. DC ____ SIZE ____ LENG. ____
STANDS
SINGLES
DOWN ON KELLY
TOTAL DEPTH

MUD RECORD

Time	Wt.	Vis.

MUD, ADDITIVES USED AND RECEIVED

FROM	TO	TIME BREAKDOWN

REMARKS –

DAYLIGHT

Driller Elmer Martin Total Men In Crew 2

FROM	TO	FORMATION	WT-BIT	R.P.M.
1280	1405			

BIT NO. 6
SERIAL NO. RR
SIZE #3
TYPE K-3
MAKE Williams

NO. DC ____ SIZE ____ LENG. ____
NO. DC ____ SIZE ____ LENG. ____
STANDS
SINGLES
DOWN ON KELLY
TOTAL DEPTH

MUD RECORD

Time	Wt.	Vis.
7:00	9.2	42
2:30	8.6	73

MUD, ADDITIVES USED AND RECEIVED

12 sx Gel
5# Cellex
5# Dextrid
75# CC-16

FROM	TO	TIME BREAKDOWN
6:30	7:00	Rig Svc.
7:00	9:00	Trip in Hole.
9:00	9:40	Circ.
9:40	3:45	Drlg.
3:45	4:15	Circ.
4:15	6:30	Trip out.

REMARKS –
Wash Thru Bridges going in Hole.
Vis. Rose From 37 to 73 @ 1374.

EVENING

Driller Total Men In Crew

FROM	TO	FORMATION	WT-BIT	R.P.M.

BIT NO.
SERIAL NO.
SIZE
TYPE
MAKE

NO. DC ____ SIZE ____ LENG. ____
NO. DC ____ SIZE ____ LENG. ____
STANDS
SINGLES
DOWN ON KELLY
TOTAL DEPTH

MUD RECORD

Time	Wt.	Vis.

MUD, ADDITIVES USED AND RECEIVED

FROM	TO	TIME BREAKDOWN

REMARKS –

SIGNED: Toolpusher Elmer Martin Company Supervisor E S Oldenburg

Form 22-2 (Rev. 1-61)

EL PASO NATURAL GAS COMPANY
DRILLING DEPARTMENT

DAILY DRILLING REPORT

LEASE La Posa Strat WELL NO. 1 CONTRACTOR J. O. Barnes Drlg. Co. RIG NO. 9 REPORT NO. 8 DATE 4-29 1968

MORNING

Driller Total Men In Crew

FROM	TO	FORMATION	WT-BIT	R.P.M.

BIT NO.
SERIAL NO.
SIZE
TYPE
MAKE

NO. DC ____ SIZE ____ LENG. ____
NO. DC ____ SIZE ____ LENG. ____
STANDS
SINGLES
DOWN ON KELLY
TOTAL DEPTH

MUD RECORD

Time	Wt.	Vis.

MUD, ADDITIVES USED AND RECEIVED

FROM	TO	TIME BREAKDOWN

REMARKS –

DAYLIGHT

Driller Elmer Martin Total Men In Crew 2

FROM	TO	FORMATION	WT-BIT	R.P.M.
1090	1280			

BIT NO. 6
SERIAL NO. 4919
SIZE 4 3/4
TYPE K-3
MAKE Williams

NO. DC ____ SIZE ____ LENG. ____
NO. DC ____ SIZE ____ LENG. ____
STANDS
SINGLES
DOWN ON KELLY
TOTAL DEPTH

MUD RECORD

Time	Wt.	Vis.
	8.9	38

MUD, ADDITIVES USED AND RECEIVED

10 sx Gel
5# Cellex 5# Dextrid
1 sx CC-16

FROM	TO	TIME BREAKDOWN
6:30	7:00	Rig Svc.
7:00	8:15	Trip in Hole
8:15	9:15	Circ.
9:15	4:30	Drlg.
4:30	5:00	Circ.
5:00	6:30	Trip out

REMARKS –

EVENING

Driller Total Men In Crew

FROM	TO	FORMATION	WT-BIT	R.P.M.

BIT NO.
SERIAL NO.
SIZE
TYPE
MAKE

NO. DC ____ SIZE ____ LENG. ____
NO. DC ____ SIZE ____ LENG. ____
STANDS
SINGLES
DOWN ON KELLY
TOTAL DEPTH

MUD RECORD

Time	Wt.	Vis.

MUD, ADDITIVES USED AND RECEIVED

FROM	TO	TIME BREAKDOWN

REMARKS –

SIGNED: Toolpusher Elmer Martin Company Supervisor E. S. Oldham

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Form 22-2 (Rev. 1-61)

EL PASO NATURAL GAS COMPANY
DRILLING DEPARTMENT

DAILY DRILLING REPORT

LEASE La Posa State WELL NO. 1 CONTRACTOR J.O. Barnes Drlg Co RIG NO. 9 REPORT NO. 7 DATE 4-23 1968

MORNING

Driller Total Men In Crew

FROM	TO	FORMATION	WT-BIT	R.P.M.

NO. DC ____ SIZE ____ LENG. ____
NO. DC ____ SIZE ____ LENG. ____

BIT NO.
SERIAL NO.
SIZE
TYPE
MAKE

STANDS
SINGLES
DOWN ON KELLY
TOTAL DEPTH

MUD RECORD			MUD, ADDITIVES USED AND RECEIVED
Time	Wt.	Vis.	

FROM	TO	TIME BREAKDOWN

REMARKS –

DAYLIGHT

Driller Elmer Martin Total Men In Crew 2

FROM	TO	FORMATION	WT-BIT	R.P.M.
990	1090			

NO. DC ____ SIZE ____ LENG. ____
NO. DC ____ SIZE ____ LENG. ____

BIT NO. 5
SERIAL NO. 2479
SIZE 7 7/8
TYPE K-2
MAKE Williams

STANDS
SINGLES
DOWN ON KELLY
TOTAL DEPTH

MUD RECORD			MUD, ADDITIVES USED AND RECEIVED
Time	Wt.	Vis.	
	8.8	37	add 3 Gals Soap
			10 SX Gel
			5 # Cellex
			5 # Dextrid

FROM	TO	TIME BREAKDOWN
7:00	7:30	Rig Svc.
7:30	9:00	Trip in Hole.
9:00	10:15	Circ. Hole Clean.
10:15	5:15	Drlg.
5:15	5:30	Circ.
5:30	7:00	Trip out.

REMARKS –

EVENING

Driller Total Men In Crew

FROM	TO	FORMATION	WT-BIT	R.P.M.

NO. DC ____ SIZE ____ LENG. ____
NO. DC ____ SIZE ____ LENG. ____

BIT NO.
SERIAL NO.
SIZE
TYPE
MAKE

STANDS
SINGLES
DOWN ON KELLY
TOTAL DEPTH

MUD RECORD			MUD, ADDITIVES USED AND RECEIVED
Time	Wt.	Vis.	

FROM	TO	TIME BREAKDOWN

REMARKS –

SIGNED: Toolpusher Elmer Martin Company Supervisor E S Oliver

Form 22-2 (Rev. 1-61)

EL PASO NATURAL GAS COMPANY
DRILLING DEPARTMENT

DAILY DRILLING REPORT

REPORT NO. 6 DATE 7-27 1968

LEASE La Posa State WELL NO. 1 CONTRACTOR J.O. Burnes Drlg. Co. RIG NO. 9

MORNING

Driller Total Men In Crew

FROM	TO	FORMATION	WT-BIT	R.P.M.

BIT NO.
SERIAL NO.
SIZE
TYPE
MAKE

NO. DC ____ SIZE ____ LENG. ____
NO. DC ____ SIZE ____ LENG. ____
STANDS
SINGLES
DOWN ON KELLY
TOTAL DEPTH

MUD RECORD

Time	Wt.	Vis.

MUD, ADDITIVES USED AND RECEIVED

TIME BREAKDOWN

FROM	TO	

REMARKS –

DAYLIGHT

Driller Elmer Martin Total Men In Crew 2

FROM	TO	FORMATION	WT-BIT	R.P.M.
870	990			

BIT NO. 4
SERIAL NO. 3194
SIZE 4 3/4
TYPE K-3
MAKE Williams

NO. DC ____ SIZE ____ LENG. ____
NO. DC ____ SIZE ____ LENG. ____
STANDS
SINGLES
DOWN ON KELLY
TOTAL DEPTH

MUD RECORD

Time	Wt.	Vis.
	8.8	37

MUD, ADDITIVES USED AND RECEIVED

32 sx Gel
25# Cellex
20# Dixtex
3 Gals Soap

TIME BREAKDOWN

FROM	TO	
6:30	7:00	Rig Svc.
7:00	9:00	Condition Mud
9:00	10:00	Trip in Hole.
10:00	10:15	Circ.
10:15	6:00	Drlg.
6:00	6:30	Circ.

REMARKS –
6:30 – 7:30 Trip out.

Lost circulation on top of shale.

EVENING

Driller Total Men In Crew

FROM	TO	FORMATION	WT-BIT	R.P.M.

BIT NO.
SERIAL NO.
SIZE
TYPE
MAKE

NO. DC ____ SIZE ____ LENG. ____
NO. DC ____ SIZE ____ LENG. ____
STANDS
SINGLES
DOWN ON KELLY
TOTAL DEPTH

MUD RECORD

Time	Wt.	Vis.

MUD, ADDITIVES USED AND RECEIVED

TIME BREAKDOWN

FROM	TO	

REMARKS –

SIGNED: Toolpusher Elmer Martin Company Supervisor E S Oberly

Form 22-2 (Rev. 1-61)

EL PASO NATURAL GAS COMPANY

DRILLING DEPARTMENT

DAILY DRILLING REPORT

LEASE La Posa Strat WELL NO. 1 CONTRACTOR J.O. Barnes Drlg Co RIG NO. 9 REPORT NO. 5 DATE 4-26 1968

MORNING

Driller Total Men In Crew

FROM	TO	FORMATION	WT-BIT	R.P.M.

BIT NO.
SERIAL NO.
SIZE
TYPE
MAKE

NO. DC ____ SIZE ____ LENG. ____
NO. DC ____ SIZE ____ LENG. ____
STANDS
SINGLES
DOWN ON KELLY
TOTAL DEPTH

MUD RECORD			MUD, ADDITIVES USED AND RECEIVED
Time	Wt.	Vis.	

FROM	TO	TIME BREAKDOWN

REMARKS –

DAYLIGHT

Driller Elmer Martin Total Men In Crew 2

FROM	TO	FORMATION	WT-BIT	R.P.M.
705	870			

BIT NO. 3
SERIAL NO. 2478
SIZE 4 3/4
TYPE K-2
MAKE Williams

NO. DC ____ SIZE ____ LENG. ____
NO. DC ____ SIZE ____ LENG. ____
STANDS
SINGLES
DOWN ON KELLY
TOTAL DEPTH

MUD RECORD			MUD, ADDITIVES USED AND RECEIVED
Time	Wt.	Vis.	
	8.8	37	9 sx Gel
			10# Drillex
			2 Gal Soap

FROM	TO	TIME BREAKDOWN
6:30	7:00	Rig Svc.
7:00	8:00	Trip in Hole.
8:00	3:30	Drlg
3:30	4:00	Circ.
4:00	5:30	Trip out

REMARKS –

EVENING

Driller Total Men In Crew

FROM	TO	FORMATION	WT-BIT	R.P.M.

BIT NO.
SERIAL NO.
SIZE
TYPE
MAKE

NO. DC ____ SIZE ____ LENG. ____
NO. DC ____ SIZE ____ LENG. ____
STANDS
SINGLES
DOWN ON KELLY
TOTAL DEPTH

MUD RECORD			MUD, ADDITIVES USED AND RECEIVED
Time	Wt.	Vis.	

FROM	TO	TIME BREAKDOWN

REMARKS –

SIGNED: Toolpusher Elmer Martin Company Supervisor [signature]

Form 22-2 (Rev. 1-61)

EL PASO NATURAL GAS COMPANY

DRILLING DEPARTMENT

DAILY DRILLING REPORT

LEASE La Posa Strat WELL NO. 1 CONTRACTOR J.O. Barnes Drlg. Co RIG NO. 9 REPORT NO. 34 DATE 4-25 19 62

MORNING

Driller Total Men In Crew

FROM	TO	FORMATION	WT-BIT	R.P.M.

BIT NO.
SERIAL NO.
SIZE
TYPE
MAKE

NO. DC ____ SIZE ____ LENG. ____
NO. DC ____ SIZE ____ LENG. ____
STANDS
SINGLES
DOWN ON KELLY
TOTAL DEPTH

MUD RECORD

Time	Wt.	Vis.

MUD, ADDITIVES USED AND RECEIVED

FROM	TO	TIME BREAKDOWN

REMARKS –

DAYLIGHT

Driller Elmer Martin Total Men In Crew 2

FROM	TO	FORMATION	WT-BIT	R.P.M.
500	705			

BIT NO. 2
SERIAL NO. 6497
SIZE 4 3/4
TYPE K-2
MAKE William

NO. DC ____ SIZE ____ LENG. ____
NO. DC ____ SIZE ____ LENG. ____
STANDS
SINGLES
DOWN ON KELLY
TOTAL DEPTH

MUD RECORD

Time	Wt.	Vis.
	8.9	38

MUD, ADDITIVES USED AND RECEIVED

25# Gel
5# Pellex
2 Gals Soap

FROM	TO	TIME BREAKDOWN
6:30	7:00	Rig Svc
7:00	2:00	Trip in Hole - Circ.
2:00	4:15	Drlg.
4:15	4:30	Circ.
4:30	6:00	Trip out.

REMARKS –

EVENING

Driller Total Men In Crew

FROM	TO	FORMATION	WT-BIT	R.P.M.

BIT NO.
SERIAL NO.
SIZE
TYPE
MAKE

NO. DC ____ SIZE ____ LENG. ____
NO. DC ____ SIZE ____ LENG. ____
STANDS
SINGLES
DOWN ON KELLY
TOTAL DEPTH

MUD RECORD

Time	Wt.	Vis.

MUD, ADDITIVES USED AND RECEIVED

FROM	TO	TIME BREAKDOWN

REMARKS –

SIGNED: Toolpusher Elmer Martin Company Supervisor E. S. Oluey

Form 22-2 (Rev. 1-61)

EL PASO NATURAL GAS COMPANY

DRILLING DEPARTMENT

DAILY DRILLING REPORT

LEASE La Posa Strip WELL NO. 1 CONTRACTOR J. O. Barnes Drlg. Co RIG NO. 9 REPORT NO. 3 DATE 4-24 1968

MORNING

Driller Total Men In Crew

FROM	TO	FORMATION	WT-BIT	R.P.M.

BIT NO.
SERIAL NO.
SIZE
TYPE
MAKE

NO. DC ____ SIZE ____ LENG. ____
NO. DC ____ SIZE ____ LENG. ____
STANDS
SINGLES
DOWN ON KELLY
TOTAL DEPTH

MUD RECORD

Time	Wt.	Vis.

MUD, ADDITIVES USED AND RECEIVED

FROM	TO	TIME BREAKDOWN

REMARKS –

DAYLIGHT

Driller Elmer Martin Total Men In Crew 2

FROM	TO	FORMATION	WT-BIT	R.P.M.
190	500			

BIT NO. 1
SERIAL NO. 4539
SIZE 4 3/4
TYPE K-3
MAKE Williams

NO. DC ____ SIZE ____ LENG. ____
NO. DC ____ SIZE ____ LENG. ____
STANDS
SINGLES
DOWN ON KELLY
TOTAL DEPTH

MUD RECORD

Time	Wt.	Vis.
	9.7	37

MUD, ADDITIVES USED AND RECEIVED

2 sx Gel
5# Cellex

FROM	TO	TIME BREAKDOWN
6:30	7:00	Rig Svc
7:00	8:00	Trip in Hole - Circ.
8:00	3:45	Drlg.
3:45	4:00	Circ.
4:00	5:00	Trip out

REMARKS –

EVENING

Driller Total Men In Crew

FROM	TO	FORMATION	WT-BIT	R.P.M.

BIT NO.
SERIAL NO.
SIZE
TYPE
MAKE

NO. DC ____ SIZE ____ LENG. ____
NO. DC ____ SIZE ____ LENG. ____
STANDS
SINGLES
DOWN ON KELLY
TOTAL DEPTH

MUD RECORD

Time	Wt.	Vis.

MUD, ADDITIVES USED AND RECEIVED

FROM	TO	TIME BREAKDOWN

REMARKS –

SIGNED: Toolpusher Elmer Martin Company Supervisor E. S. Oberly

5½

Form 22-2 (Rev. 1-61)

EL PASO NATURAL GAS COMPANY

DRILLING DEPARTMENT

DAILY DRILLING REPORT

LEASE La Posa State WELL NO. 1 CONTRACTOR J.O. Barnes Drlg. Co RIG NO. 9 REPORT NO. 2 DATE 4-23 1965

MORNING					DAYLIGHT					EVENING				
Driller		Total Men In Crew			Driller Elmer Martin		Total Men In Crew 2			Driller		Total Men In Crew		
FROM	TO	FORMATION	WT-BIT	R.P.M.	FROM	TO	FORMATION	WT-BIT	R.P.M.	FROM	TO	FORMATION	WT-BIT	R.P.M.
					0	190								
BIT NO.		NO. DC ___ SIZE ___ LENG. ___			BIT NO. 1		NO. DC ___ SIZE ___ LENG. ___			BIT NO.		NO. DC ___ SIZE ___ LENG. ___		
SERIAL NO.		NO. DC ___ SIZE ___ LENG. ___			SERIAL NO. 4537		STANDS			SERIAL NO.		STANDS		
SIZE		STANDS			SIZE 4 3/4		SINGLES			SIZE		SINGLES		
TYPE		SINGLES			TYPE K-3		DOWN ON KELLY			TYPE		DOWN ON KELLY		
MAKE		DOWN ON KELLY			MAKE Williams		TOTAL DEPTH			MAKE		TOTAL DEPTH		
		TOTAL DEPTH												

MUD RECORD			MUD, ADDITIVES USED AND RECEIVED	MUD RECORD			MUD, ADDITIVES USED AND RECEIVED	MUD RECORD			MUD, ADDITIVES USED AND RECEIVED
Time	Wt.	Vis.		Time	Wt.	Vis.		Time	Wt.	Vis.	
					8.7	38	1 sx Cellex				
							27 sx Gel				

FROM	TO	TIME BREAKDOWN	FROM	TO	TIME BREAKDOWN	FROM	TO	TIME BREAKDOWN
			6:30	7:00	Rig Svc			
			7:00	12:00	Mixing Spud Mud - waiting on water			
			12:00	5:15	Drlg.			
			5:15	5:30	Circ.			
			5:30	6:00	Trip out			

REMARKS –

REMARKS –

Spud in @ 12:05 PM

REMARKS –

SIGNED: Toolpusher Elmer Martin Company Supervisor E.S. Oberly

Form 22-2 (Rev. 1-61)

These are for La Posa Strat A #1 A

PASO NATURAL GAS COMPANY
DRILLING DEPARTMENT

DAILY DRILLING REPORT

LEASE La Posa Strat WELL NO. 1 CONTRACTOR J.O. Barnes Drlg & RIG NO. 9 REPORT NO. 1 DATE 4-22 19 68

MORNING					DAYLIGHT					EVENING				
Driller		Total Men In Crew			Driller Elmer Martin		Total Men In Crew 2			Driller		Total Men In Crew		
FROM	TO	FORMATION	WT-BIT	R.P.M.	FROM	TO	FORMATION	WT-BIT	R.P.M.	FROM	TO	FORMATION	WT-BIT	R.P.M.

	NO. DC ____ SIZE ____ LENG. ____		NO. DC ____ SIZE ____ LENG. ____		NO. DC ____ SIZE ____ LENG. ____
BIT NO.	NO. DC ____ SIZE ____ LENG. ____	BIT NO.	NO. DC ____ SIZE ____ LENG. ____	BIT NO.	NO. DC ____ SIZE ____ LENG. ____
SERIAL NO.	STANDS	SERIAL NO.	STANDS	SERIAL NO.	STANDS
SIZE	SINGLES	SIZE	SINGLES	SIZE	SINGLES
TYPE	DOWN ON KELLY	TYPE	DOWN ON KELLY	TYPE	DOWN ON KELLY
MAKE	TOTAL DEPTH	MAKE	TOTAL DEPTH	MAKE	TOTAL DEPTH

MUD RECORD			MUD, ADDITIVES USED AND RECEIVED	MUD RECORD			MUD, ADDITIVES USED AND RECEIVED	MUD RECORD			MUD, ADDITIVES USED AND RECEIVED
Time	Wt.	Vis.		Time	Wt.	Vis.		Time	Wt.	Vis.	

FROM	TO	TIME BREAKDOWN	FROM	TO	TIME BREAKDOWN	FROM	TO	TIME BREAKDOWN
			8:00	4:30	Moving - Rig up on New Loc.			

REMARKS – REMARKS – REMARKS –

RECEIVED MAY 15 1968 STATE O & G CONS. COMM.

SIGNED: Toolpusher Elmer Martin Company Supervisor E S Olney

3-27-69

MEMO: FILE
FROM: JOHN BANNISTER

RE: Permit 459, El Paso Natural Gas #1 Fed. La Posa.

Mr. E. S. Oberly telephoned this date and secured verbal permission to plug this well. Plugging has been cleared with USGS.

There is 4-1/2" casing to TD and 2" tubing run. It is the intention to run cement in the annulas between the 2 and 4-1/2" casing and to fill the 2" tubing with cement.

Permission was granted to set a 2" surface marker rather than the customary 4" surface marker.

9

SUNDRY NOTICES AND REPORTS ON WELLS

1. Name of Operator: El Paso Natural Gas Company

2. OIL WELL [ ] GAS WELL [ ] OTHER [XX] (Specify) Stratigraph Test

3. Well Name: La Posa Strat A #1 (TA)

Location: 660'N, 1980'W

Sec. 24 Twp. 27N Rge. 19W County Yuma, Arizona.

4. Federal, State or Indian Lease Number, or lessor's name if fee lease: USA Arizona #150

5. Field or Pool Name: Wildcat

6. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
TEST WATER SHUT-OFF	[ ]	PULL OR ALTER CASING	[ ]	WATER SHUT-OFF	[ ]	MONTHLY PROGRESS	[ ]
FRACTURE TREAT	[ ]	DIRECTIONAL DRILL	[ ]	FRACTURE TREATMENT	[ ]	REPAIRING WELL	[ ]
SHOOT OR ACIDIZE	[ ]	PERFORATE CASING	[ ]	SHOOTING OR ACIDIZING	[ ]	ALTERING CASING	[ ]
REPAIR WELL	[ ]	CHANGE PLANS	[ ]			ABANDONMENT	[ ]
(OTHER)			[ ]	(OTHER) Well Status Report			[X]

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

7. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

The present status of this well is temporarily abandoned. The well completion report submitted June 27, 1968, should have shown this well as being temporarily abandoned but did not. There are no future plans for this well at this time.

Temporary abandonment status approved until July 1, 1969.

STATE OF ARIZONA OIL & GAS CONSERVATION COMMISSION

John Bannister, Exec. Sec.
by [illegible]

RECEIVED MAR 24 1969 STATE O & G CONS. COMM.

8. I hereby certify that the foregoing is true and correct.

Signed [illegible] Title Petroleum Engineer Date 3-21-69

STATE OF ARIZONA
OIL & GAS CONSERVATION COMMISSION
Sundry Notices and Reports On Wells
File Two Copies
Form No. 25

Permit No. 459

10

SUNDRY NOTICES AND REPORTS ON WELLS

1. Name of Operator: El Paso Natural Gas Company

2. OIL WELL [ ] GAS WELL [ ] OTHER [X] (Specify) Stratigraph Test

3. Well Name: La Posa Strat A #1 - Fed

Location: 660'N, 1980'W

Sec. 24 Twp. 7-N Rge. 19-W County Yuma, Arizona.

4. Federal, State or Indian Lease Number, or lessor's name if fee lease: USA Arizona #150

5. Field or Pool Name: Wildcat

6. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
TEST WATER SHUT-OFF	[ ]	PULL OR ALTER CASING	[ ]	WATER SHUT-OFF	[X]	MONTHLY PROGRESS	[ ]
FRACTURE TREAT	[ ]	DIRECTIONAL DRILL	[ ]	FRACTURE TREATMENT	[ ]	REPAIRING WELL	[ ]
SHOOT OR ACIDIZE	[ ]	PERFORATE CASING	[ ]	SHOOTING OR ACIDIZING	[ ]	ALTERING CASING	[ ]
REPAIR WELL	[ ]	CHANGE PLANS	[ ]			ABANDONMENT	[ ]
(OTHER)			[ ]	(OTHER) Plug Back			[X]

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

7. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

On 6-8-68 T. D. 2815'. Spotted 30 sack cement plug 2160 - 1921' and 30 sacks cement plug 1695' - 1460', ~~XXXX~~ remainder of open hole filled w/heavy mud. Ran 45 joints 4 1/2", 10.5#, J-55 casigg (1460')set 1' above ground level w/184 sacks of cement. W.O.C. 18 hours, tested casing w/1000#/30 Minutes O. K.

RECEIVED JUN 27 1968 STATE O & G CONS. COMM.

8. I hereby certify that the foregoing is true and correct.

Signed [signature] Title Petroleum Engineer Date 6-25-68

STATE OF ARIZONA
OIL & GAS CONSERVATION COMMISSION
Sundry Notices and Reports on Wells
File Two Copies
Form No. 25

RECEIVED JUN 27 1968 STATE O & G CONS. COMM.

Permit No. 459
12

El Paso Natural Gas Company

El Paso, Texas 79999

June 13, 1968

RECEIVED
JUN 14 1968
STATE O & G
CONS. COMM.

ADDRESS REPLY TO
POST OFFICE BOX 990
FARMINGTON, NEW MEXICO 87401

La Posa #24-31

B & R made 3 swab runs. 1st run, fair percent sand. 2nd run, mostly sand. 3rd run did not go. Let well set for 5 hours. Did not obtain water sample from well. Sand is round, medium to fine quick sand. Rigged down.

La Posa "B" #1 SE/4 Sec. 10, T-7-N, R-19-W (formerly La Posa #10-78)

Moved on location & rigged up. Rig will shut down approximately 1 1/2 to 2 days for shaft repairs.

EL PASO NATURAL GAS COMPANY

brs

15 45a

El Paso Natural Gas Company

El Paso, Texas 79999

June 12, 1968

ADDRESS REPLY TO
POST OFFICE BOX 990
FARMINGTON, NEW MEXICO 87401

La Posa #24-31

Went in hole, came out twice to check on stablized hydrostatic level in well bore. Field reading on DST chart showed hydro press to be 315.1 psi at 1224'. Came out, went back in and landed tubing at 1222' with pin collar on bottom. Recovered excellent sand sample on top of Howco tool. Now waiting to swab.

EL PASO NATURAL GAS COMPANY

brs

RECEIVED
JUN 13 1968
STATE O & G
CONS. COMM.

16 459

El Paso Natural Gas Company

El Paso, Texas 79999

June 11, 1968

ADDRESS REPLY TO
POST OFFICE BOX 950
FARMINGTON, NEW MEXICO 87401

La Posa #24-31

Went in hole with test tool. Tool pre-set at 300' off bottom. Tested casing to 800#, O.K. Perforated 1211-1221'. 1st run with 75 Durometer rubber. Well on vacuum. Packer would not set. 2nd run to be with 50 Durometer rubber. Packer is now free, coming out of hole w/same.

EL PASO NATURALGAS COMPANY

brs

RECEIVED
JUN 1968
STATE O & G
CONS. COMM.

17 459

El Paso Natural Gas Company

El Paso, Texas 79999

June 10, 1968

ADDRESS REPLY TO
POST OFFICE BOX 990
FARMINGTON, NEW MEXICO 87401

La Posa #24-31

Reamed hole to 1450'. Mud gelled up. Conditioning mud to set plugs and run casing. Plugs to be set at 2000' and 1450'. (L. C. at 2815'). B. J. on location.

Waiting on orders

Set 30 sack plug 1450-1696', additional 30 sack plug 1915-2160'. Ran 45 joints 4 1/2" casing, total of 1456' set at 1460'. B J cemented with 184 sacks type G cement and 1/8# Cello-flake/sk. Cement did not circulate, partially lost circulation. Plug down @ 11:00 P.M. 6-8-68. WOC.

EL PASO NATURAL GAS COMPANY

brs

18

SUNDRY NOTICES AND REPORTS ON WELLS

1. Name of Operator: El Paso Natural Gas Company

2. OIL WELL [ ] GAS WELL [ ] OTHER [X] (Specify) Stratigraph Test

3. Well Name: La Posa Strat A #1

Location: 1980'W, 660'N

Sec. 24 Twp. 7N Rge. 19W County Yuma Arizona.

4. Federal, State or Indian Lease Number, or lessor's name if fee lease: USA Arizona #150

5. Field or Pool Name: Wildcat

6. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
TEST WATER SHUT-OFF	[ ]	PULL OR ALTER CASING	[ ]	WATER SHUT-OFF	[ ]	MONTHLY PROGRESS	[ ]
FRACTURE TREAT	[ ]	DIRECTIONAL DRILL	[ ]	FRACTURE TREATMENT	[ ]	REPAIRING WELL	[ ]
SHOOT OR ACIDIZE	[ ]	PERFORATE CASING	[ ]	SHOOTING OR ACIDIZING	[ ]	ALTERING CASING	[ ]
REPAIR WELL	[ ]	CHANGE PLANS	[ ]			ABANDONMENT	[ ]
(OTHER) Change Name			[X]	(OTHER)			[ ]

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

7. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

The name of this well has been changed from La Posa Strat #1 to La Posa Strat A #1.

8. I hereby certify that the foregoing is true and correct.

Signed W. R. Pulle Title Petroleum Engineer Date 6-10-68

STATE OF ARIZONA
OIL & GAS CONSERVATION COMMISSION
Sundry Notices and Reports On Wells
File Two Copies
Form No. 25

Permit No. 459

14

June 7, 1968

Tellcall from Ed Oberly, El Paso Natural Gas Co.

Re: El Paso #1 Federal La Posa Strat
Permit 459

It is intended to run 4½" casing to 1450 feet. A wellhead will be set and tubing run.

Present depth: 2720 feet in igneous material.

Operator plans to set 25 xax cement at 2000 feet; 50 sacks from 14,50 down. Will cement 4½" caseing from surface to 790'.

Below 1450 feet formation is highly fractured. Contains small amount of methane gas. A shale break from approximately 790' to 1200'. Small amounts of water above 790'.

Operator is now encountering extremely small lost circulation. No significant water production.

Further testing will be done on this hole.

Operator requests hole be re-named to ~~#1A~~ A1 La Posa to comply with federal regulations.

30

El Paso Natural Gas Company

El Paso, Texas 79999

June 7, 1968

ADDRESS REPLY TO
POST OFFICE BOX 990
FARMINGTON, NEW MEXICO 87401

La Posa #24-31

Drilled to 2747'. Cored 2747-55', total of 8' w/full recovery. Core barrel jammed, came out of hole. Core was highly fractured hardrock. T. D. at 12:00 midnight 2755'.

EL PASO NATURAL GAS COMPANY

brs

RECEIVED
JUN 10 1968
STATE O & G
CONS. COMM.

19 459

El Paso Natural Gas Company

El Paso, Texas 79999

June 6, 1968

ADDRESS REPLY TO
POST OFFICE BOX 990
FARMINGTON, NEW MEXICO 87401

La Posa #24-31

Drilling at 2675', bit #10. Mud wt. 9.4#, Vis. 46.

EL PASO NATURAL GAS COMPANY

brs

RECEIVED
JUN 7 1968
STATE O & G
CONS. COMM.

459

31

El Paso Natural Gas Company

El Paso, Texas 79999

June 5, 1968

ADDRESS REPLY TO
POST OFFICE BOX 990
FARMINGTON, NEW MEXICO 87401

La Posa #24-31

Tripping for bit #8 at 2604'. Mud viscosity 45.

EL PASO NATURAL GAS COMPANY

brs

459

22

RECEIVED
JUN 6 1968
STATE O & G
CONS. COMM.

El Paso Natural Gas Company

El Paso, Texas 79999

June 4, 1968

ADDRESS REPLY TO
POST OFFICE BOX 990
FARMINGTON, NEW MEXICO 87401

La Posa #24-31

Recovered fish. Went in reaming out bridges in lower portion of hole at 1200' level, reamed to 2511'. Now drilling at 2551'. Mud wt. 915#, Vis. 42.

EL PASO NATURAL GAS COMPANY

brs

RECEIVED
JUN 5 1968
STATE O & G
CONS. COMM.

45

#459

27

El Paso Natural Gas Company

El Paso, Texas 79999

June 3, 1968

ADDRESS REPLY TO
POST OFFICE BOX 990
FARMINGTON, NEW MEXICO 87401

La Posa #24-31

Started reaming 6 3/4" hole from surface at 11:00 A.M. 5-31-68. 6 3/4" bit, 6 3/4" bottom hole reamer, 5 1/2" collar and string reamer. Reaming at 550' 6-1-68.

Reamed to top of fish with bit and reamers. Ran in with wash pipe. Started milling on top rubber @ 11:30 A.M. 6-2 -68. Milled from 2 1/2hrs. on packer element at 1200'. clean out to 1272'. Now making trip for new wash over pipe. 6-2-68.

Wash over shoe would not cut rubber material between packers. Pulled out of hole and went back in and screwed into fish, jarred unsuccesfully. Could not back off properly. Left 2 collars in hole. Went in w/wash pipe and larger ID bore shoe and washed over to top of bottom rubber. Fish fell 12'. Bottom rubber not expanded. Pulled out of hole and went back in with drill pipe and screwed into fish. Now laying down elements of fish. 6-3-68.

EL PASO NATURAL GAS COMPANY

brs

RECEIVED
JUN 6 1968
STATE O & G
CONS. COMM.

45-9

24

El Paso Natural Gas Company

El Paso, Texas 79999

May 31, 1968

ADDRESS REPLY TO
POST OFFICE BOX 990
FARMINGTON, NEW MEXICO 87401

La Posa #24-31

5-30-68: 5 1/2" wash pipe would not go. Came out and reamed with 6 3/4" bit.

5-31-68: Reamed with 5 1/2" wash pipe to 440'. Came out of hole and went back in with 6 3/4" bit. Circulated hole and waiting on string reamers and new bit.

EL PASO NATURAL GAS COMPANY

brs

RECEIVED
JUN 3 1968
STATE O & G
CONS. COMM.

459

25

El Paso Natural Gas Company

El Paso, Texas 79999

May 29, 1968

ADDRESS REPLY TO
POST OFFICE BOX 990
FARMINGTON, NEW MEXICO 87401

La Posa #24-31

Mud vis. 150. Went in hole after conditioning with Howco collar and screwed back on 2 7/8" threads. Could not back off TIW safety joint. Backed off 2 times on Kelly saver sub and 2 times on drill collars. Left jars and 2 Drill collars in hole. Now waiting on washpipe to wash over entire fish.

EL PASO NATURAL GAS COMPANY

brs

RECEIVED
MAY 31 1968
STATE O & G
CONS. COMM.

#459

21

El Paso Natural Gas Company

El Paso, Texas 79999

May 28, 1968

ADDRESS REPLY TO
POST OFFICE BOX 990
FARMINGTON, NEW MEXICO 87401

La Posa #24-31

Went in with 132' wash over pipe and hit nothing. Got hold of skirt for overshot at 15'. Backed off 2 7/8" Howco non EUE valve 20' above top packer. Found packer at 1197' with rubber expanded in packer. 20' stinger above packer. Going in with skirt to attempt to get stinger out. Mud wt. 9.4#, Vis. 138.

EL PASO NATURAL GAS COMPANY

brs

459

28

El Paso Natural Gas Company

El Paso, Texas 79999

ADDRESS REPLY TO
POST OFFICE BOX 990
FARMINGTON, NEW MEXICO 87401

May 27, 1968

La Posa # 24-31

5-25-68: No Report

5-26-68: No Report

5-27-68: Reamed to 1136' top of fish. Went in with 106' wash pipe, washed over fish. Went in with overshot, hit bridge. Stopped at 875'. Raised viscosity and went in with bit. Went in with overshot, hit bridges. Raised viscosity to 330. Worked overshot on top of fish. Circulated hole. Average vis. 98. Jarred fish with jars and overshot, broke kelly pin on sub. 2nd fish 12' down. Went with American overshot, caught fish at 12', spit overshot. Left sub looking up with guide spit w/American grapple inside it. Went in with 3rd overshot, could not get over fish at 12'. Now going in w/re-worked kelly and larger overshot to fish kelly sub.

RECEIVED
MAY 28 1968
STATE O & G
CONS. COMM.

EL PASO NATURAL GAS COMPANY

brs

459

29 45

El Paso Natural Gas Company

El Paso, Texas 79999

May 24, 1968

ADDRESS REPLY TO
POST OFFICE BOX 990
FARMINGTON, NEW MEXICO 87401

La Posa #24-31

Reaming hole to 6 1/8" at 532' at 5:00 A.M. 5-24-68. Mud wt. 9.1#, Vis. 37.

EL PASO NATURAL GAS COMPANY

brs

459

30

El Paso Natural Gas Company

El Paso, Texas 79999

May 23, 1968

ADDRESS REPLY TO
POST OFFICE BOX 990
FARMINGTON, NEW MEXICO 87401

La Posa #24-31

Ran DST #1. Set 1200-82'. Tool opened. Annulus mud dropped immediately. Lost test. Jarred on tools several hours. Broke circulation sub above jars @ 1130'. Overshot too small to go over fish. Jars still functioning. Now waiting on overshot.

RECEIVED
MAY 24 1968
STATE O & G
CONS. COMM.

EL PASO NATURAL GAS COMPANY

brs

459

459

31

El Paso Natural Gas Company

El Paso, Texas 79999

May 22, 1968

ADDRESS REPLY TO
POST OFFICE BOX 990
FARMINGTON, NEW MEXICO 87401

La Posa #24-31

Logged well. Now making up Howco DST tool.
(at T.D. 2500')

EL PASO NATURAL GAS COMPANY

brs

RECEIVED
MAY 23 1968
STATE O & G
CONS. COMM.

459

32

El Paso Natural Gas Company

El Paso, Texas 79999

May 21, 1968

ADDRESS REPLY TO
POST OFFICE BOX 990
FARMINGTON, NEW MEXICO 87401

La Posa #24-31

Drilled to 2403'. Core #1 from 2403-10' with 7' recovery. Used 4 3/4" core head. Reamed core hole to 5 1/8". Now drilling at 2485' with bit #5 in hardrock. Mud wt. 9.4#, Vis. 38.

EL PASO NATURAL GAS COMPANY

brs

RECEIVED
MAY 22 1968
STATE O & G
CONS. COMM.

459

33

El Paso Natural Gas Company

El Paso, Texas 79999

May 20, 1968

ADDRESS REPLY TO
POST OFFICE BOX 990
FARMINGTON, NEW MEXICO 87401

La Posa #24-31

5-18-68: Total depth of 2051'. Trip for bit #3. Engine #1 blew up. out of hole remainder of day w/18 stands.

5-19-68: Replaced engine. Drilling @ 2363' with bit #3. Mud wt. 9.8#, bis. 34, WL 8 cc.

5-20-68: Total depth of 2385', bit #4. Mud wt. 9#, Vis. 40.

EL PASO NATURAL GAS COMPANY

brs

RECEIVED
MAY 21 1968
STATE O & G
CONS. COMM.

34 459

El Paso Natural Gas Company

El Paso, Texas 79999

May 17, 1968

ADDRESS REPLY TO
POST OFFICE BOX 990
FARMINGTON, NEW MEXICO 87401

La Posa #24-31

Started drilling at 3:00 P.M. 5-16-68. Now drilling at 1611' on 5 1/8" hole.
Mud wt. 8.9#, Vis. 40, WL 8. Lost small amount returns, but no real mud problems.

5-20-68
TD 2411 - coring -
DST.

EL PASO NATURAL GAS COMPANY

brs

#459

RECEIVED
MAY 20 1968
STATE O & G
CONS. COMM.

Ed Oberly
Kofa Inn
669-2101

~~N. M. O. C. C.~~ Arizona Oil Commission

Form 9-331
(May 1963)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1424.

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL ☐ GAS WELL ☐ OTHER **Stratigraph Test**

2. NAME OF OPERATOR
El Paso Natural Gas Company

3. ADDRESS OF OPERATOR
Box 990, Farmington, New Mexico - 87401

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.)
At surface
1980'W, 660'N

14. PERMIT NO. **459**

15. ELEVATIONS (Show whether DF, RT, GR, etc.) **880' GL (Est.)**

5. LEASE DESIGNATION AND SERIAL NO. **USA Arizona #150**

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME **La Posa Strat**

9. WELL NO. **1**

10. FIELD AND POOL, OR WILDCAT **Wildcat**

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA **Sec 24, T-7-N, R-19-W**

12. COUNTY OR PARISH **Yuma**

13. STATE **Arizona**

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF	☐	PULL OR ALTER CASING	☐
FRACTURE TREAT	☐	MULTIPLE COMPLETE	☐
SHOOT OR ACIDIZE	☐	ABANDON*	☐
REPAIR WELL	☐	CHANGE PLANS	☐
(Other)			

SUBSEQUENT REPORT OF:

WATER SHUT-OFF	☐	REPAIRING WELL	☐
FRACTURE TREATMENT	☐	ALTERING CASING	☐
SHOOTING OR ACIDIZING	☐	ABANDONMENT*	☐
(Other) Spud			X

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

This well was spudded at 12:05 P. M. on April 23, 1968, drilling 4 3/4" hole w/mud.

RECEIVED
JUN 3 1968
O. C. C.
ARTESIA, OFFICE

RECEIVED
MAY 31 1968
U. S. GEOLOGICAL SURVEY
ARTESIA, NEW MEXICO

18. I hereby certify that the foregoing is true and correct

SIGNED W. G. Cutler (Original signed by) TITLE **Petroleum Engineer** DATE **May 29, 1968**

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

APPROVED
MAY 31 1968
R. L. BEERMAN
ACTING DISTRICT ENGINEER

459

26

*See Instructions on Reverse Side

RECEIVED
MAR 13 1968
STATE O & G
CONS. COMM.

WELL SITE CHECK

By JPL
Date 5-13-68

Contractor _____ Person(s) Contacted _____

Spud date _____

Type Rig _____ Rotary X Cable ___

Present Operations _____

Samples _____

Pipe _____

Drilling with Air ___ Mud X

Water Zones _____

Size Hole _____

Lost Circ. Zones _____

Size Drill Pipe _____

Formation Tops _____

Type Bit _____

Cores, Logs, DST _____

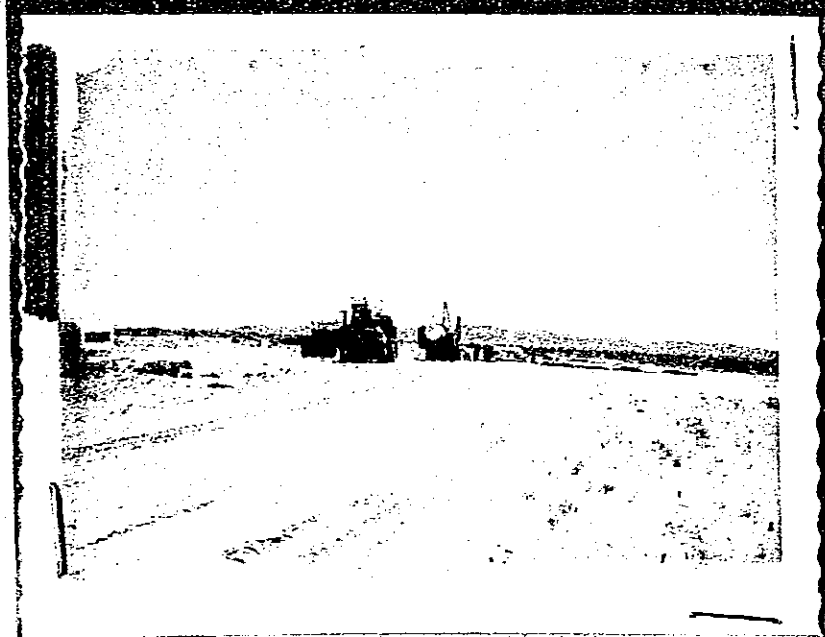
No. Bit ___ Drilling Rate _____

Formation _____

Crews _____

Lithology _____

PHOTO MAP



Arizona OCC

Form 9-331 C
(May 1963)

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1425.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK: DRILL [X] DEEPEN [ ] PLUG BACK [ ]

b. TYPE OF WELL: OIL WELL [ ] GAS WELL [ ] OTHER Strat Test SINGLE ZONE [X] MULTIPLE ZONE [ ]

2. NAME OF OPERATOR: El Paso Natural Gas Company

3. ADDRESS OF OPERATOR: Box 990, Farmington, New Mexico - 87401

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*)
At surface: 1980'W, 660'N
At proposed prod. zone:

5. LEASE DESIGNATION AND SERIAL NO.: USA Arizona #150

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT AGREEMENT NAME:

8. FARM OR LEASE NAME: La Posa Strat

9. WELL NO.: 1

10. FIELD AND POOL, OR WILDCAT: Wildcat

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: Sec. 24, T-~~2N~~ 7-N, R-19-W

12. COUNTY OR PARISH: Yuma

13. STATE: Arizona

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*:

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any):

16. NO. OF ACRES IN LEASE: ~~2560~~ 2560

17. NO. OF ACRES ASSIGNED TO THIS WELL:

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.:

19. PROPOSED DEPTH: 2000'

20. ROTARY OR CABLE TOOLS: Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.): 880' (Est.)

22. APPROX. DATE WORK WILL START*: 4-22-68

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
	~~NONE~~			

RECEIVED
APR 10 1968
U. S. GEOLOGICAL SURVEY
ARTESIA, NEW MEXICO

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED _____ TITLE Petroleum Engineer DATE 4-9-68

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

APPROVED
APR 11 1968
R. L. BEERMAN
ACTING DISTRICT ENGINEER

RECEIVED
APR 9 1968
STATE O & G CONS. COMM.

*See Instructions On Reverse Side

APPLICATION FOR PERMIT TO DRILL OR RE-ENTER

APPLICATION TO DRILL ☒ RE-ENTER OLD WELL ☐

El Paso Natural Gas Company
NAME OF COMPANY OR OPERATOR

Box 990 — Farmington — New Mexico 87401
Address — City — State

J. O. Barnes Drilling Co.
Drilling Contractor

Box 141, Casa Grande, Arizona
Address

DESCRIPTION OF WELL AND LEASE

Federal, State or Indian Lease Number, or if fee lease, name of lessor: USA Arizona # 150	Well number: La Posa Strat # 1	Elevation (ground): 880 (est)
Nearest distance from proposed location to property or lease line: 660 feet	Distance from proposed location to nearest drilling, completed or applied—for well on the same lease: none feet	
Number of acres in lease: 2560	Number of wells on lease, including this well, completed in or drilling to this reservoir: none	
If lease, purchased with one or more wells drilled, from whom purchased: Name	Address	
Well location (give footage from section lines): 1980 W, 660 N	Section—township—range or block and survey: 24, T7N, R19W	Dedication (Comply with Rule 105): none
Field and reservoir (if wildcat, so state): Wildcat	County: Yuma	
Distance, in miles, and direction from nearest town or post office: 16 from Parker, Arizona		
Proposed depth: 2000'	Rotary or cable tools: Rotary	Approx. date work will start: 4/22/68
Bond Status State wide / Amount $25,000.00	Organization Report: On file X Or attached	Filing Fee of $25.00: Attached X

Remarks:

CERTIFICATE: I, the undersigned, under the penalty of perjury, state that I am the agent of the El Paso Natural Gas Co. (company), and that I am authorized by said company to make this report; and that this report was prepared under my supervision and direction and that the facts stated therein are true, correct and complete to the best of my knowledge.

Signature

4/5/68
Date

RECEIVED APR 8 STATE O & G CONS. COMM.

Permit Number: 459
Approval Date: 4-9-68
Approved By: John Bannister

Notice: Before sending in this form be sure that you have given all information requested. Much unnecessary correspondence will thus be avoided.

STATE OF ARIZONA
OIL & GAS CONSERVATION COMMISSION
Application to Drill or Re-enter
File Two Copies

Form No. 3

(Complete Reverse Side)

API No. - 02-027-20002

1. Operator shall outline the dedicated acreage for *both* oil and gas wells on the plat.

2. A registered professional engineer or land surveyor registered in the State of Arizona or approved by the Commission shall show on the plat the location of the well and certify this information in the space provided.

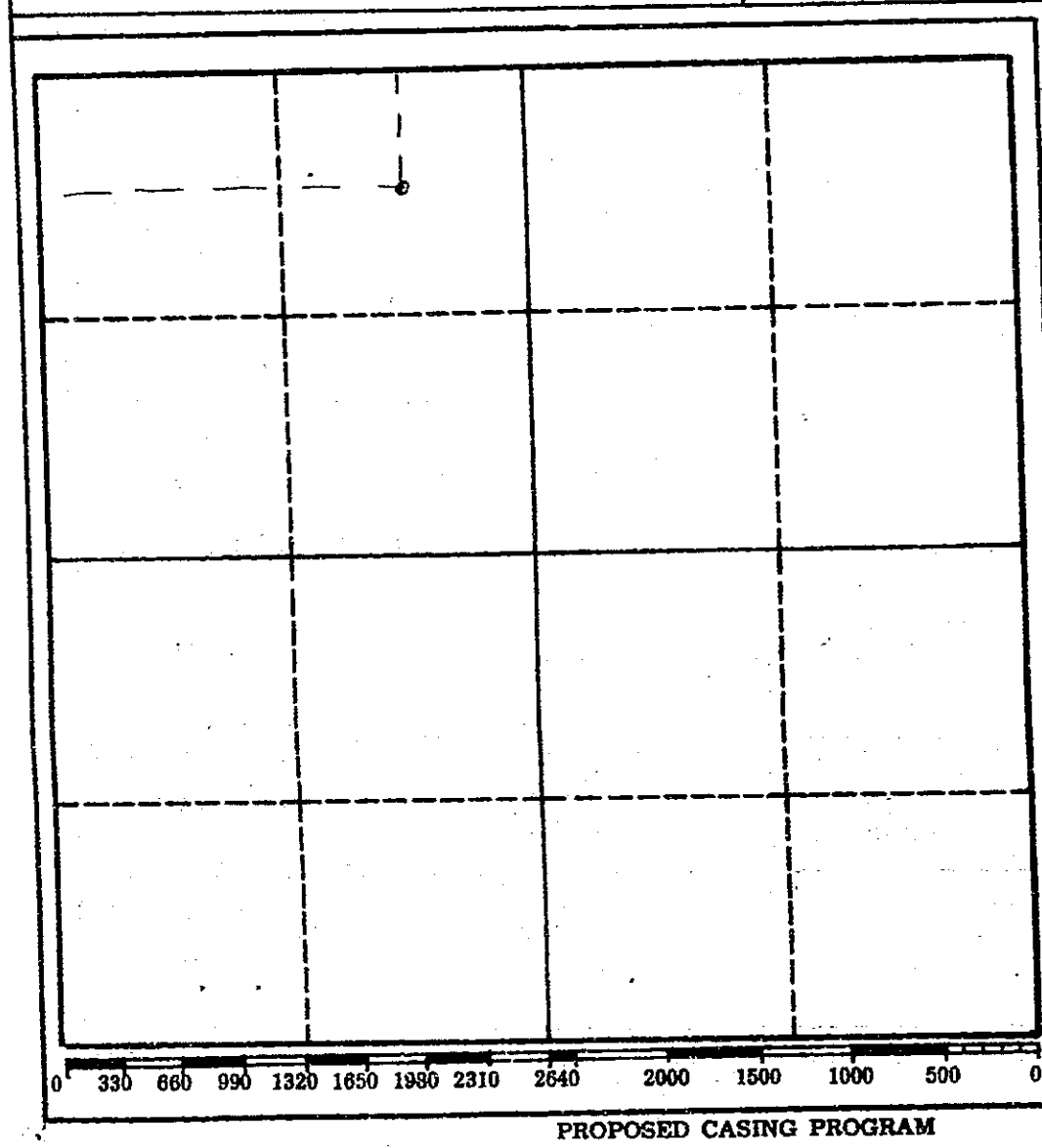
3. All distances shown on the plat must be from the outer boundaries of the Section.

4. Is the Operator the only owner in the dedicated acreage outlined on the plat below? YES X NO_____

5. If the answer to question four is "no," have the interests of all the owners been consolidated by communitization agreement or otherwise? YES_____ NO_____. If answer is "yes," Type of Consolidation_____

6. If the answer to question four is "no," list all the owners and their respective interests below:

Owner	Land Description



CERTIFICATION

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

Name: Petroleum Engineer

Position: El Paso Natural Gas Co.

Company: 4/5/68

Date:

I hereby certify that the well location shown on the plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed: 10/7/66

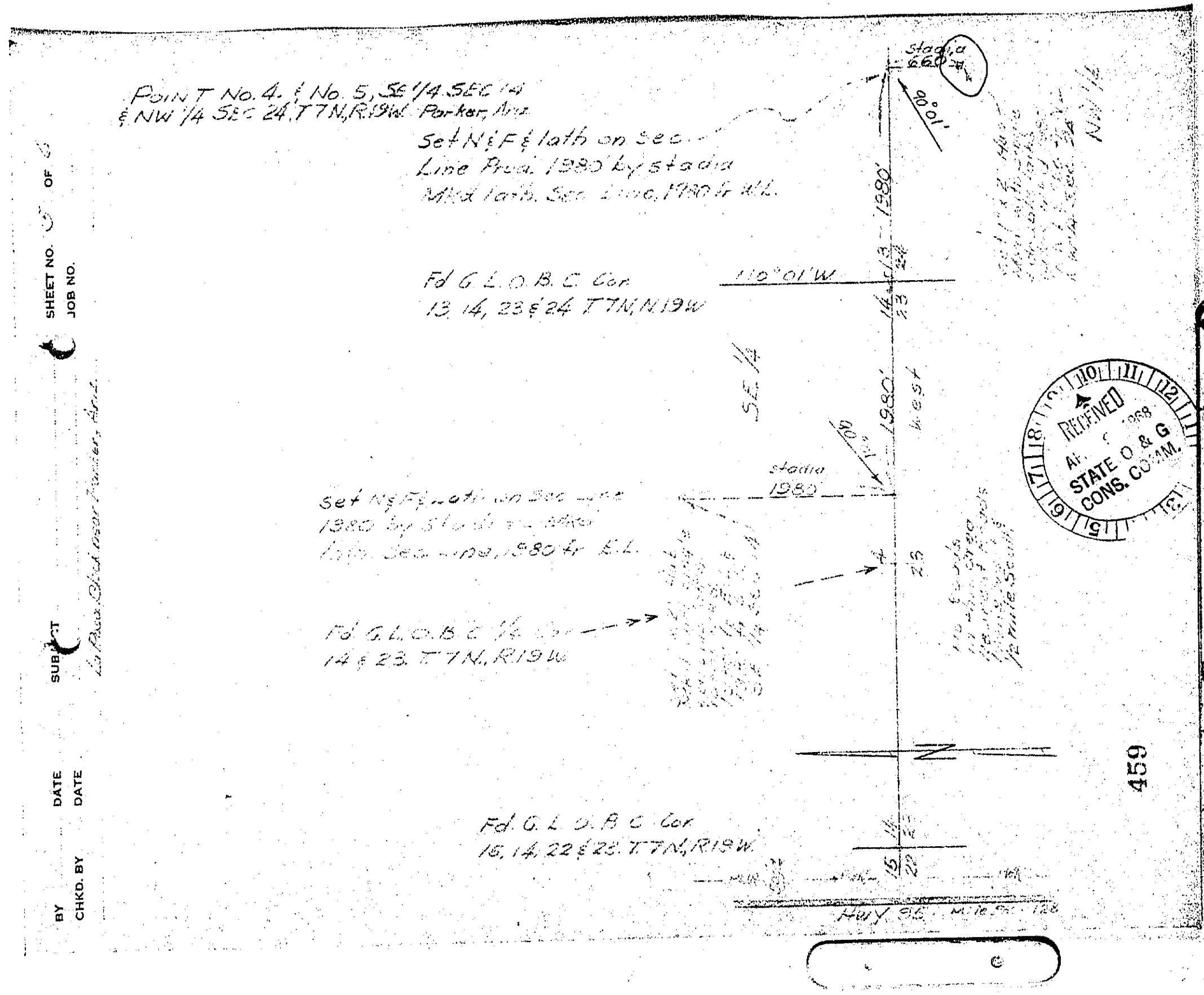
Registered Professional Engineer and/or Land Surveyor: J. T. Jordon

Certificate No.

PROPOSED CASING PROGRAM

Size of Casing	Weight	Grade & Type	Top	Bottom	Cementing Depths	Sacks Cement
none						

SHEET NO. OF
JOB NO.
SUBJECT La Paz Blvd near Parker, Ariz.
BY DATE
CHKD. BY DATE



459

PERMIT TO DRILL

This constitutes the permission and authority from the

OIL AND GAS CONSERVATION COMMISSION,
STATE OF ARIZONA,

To: EL PASO NATURAL GAS COMPANY
(OPERATOR)

to drill a well to be known as

El Paso #1 Fed La Posa Strat
(WELL NAME)

located 660' FNL and 1980' FWL (NE NW)

Section 24 Township 7N Range 19W, ~~Yuma~~ La Paz (1983) County, Arizona.

The _____ of said Section, Township and Range is dedicated to this well.

Said well is to be drilled substantially as outlined in the attached Application and must be drilled in full compliance with all applicable laws, statutes, rules and regulations of the State of Arizona.

Issued this 9th day of April, 1968.

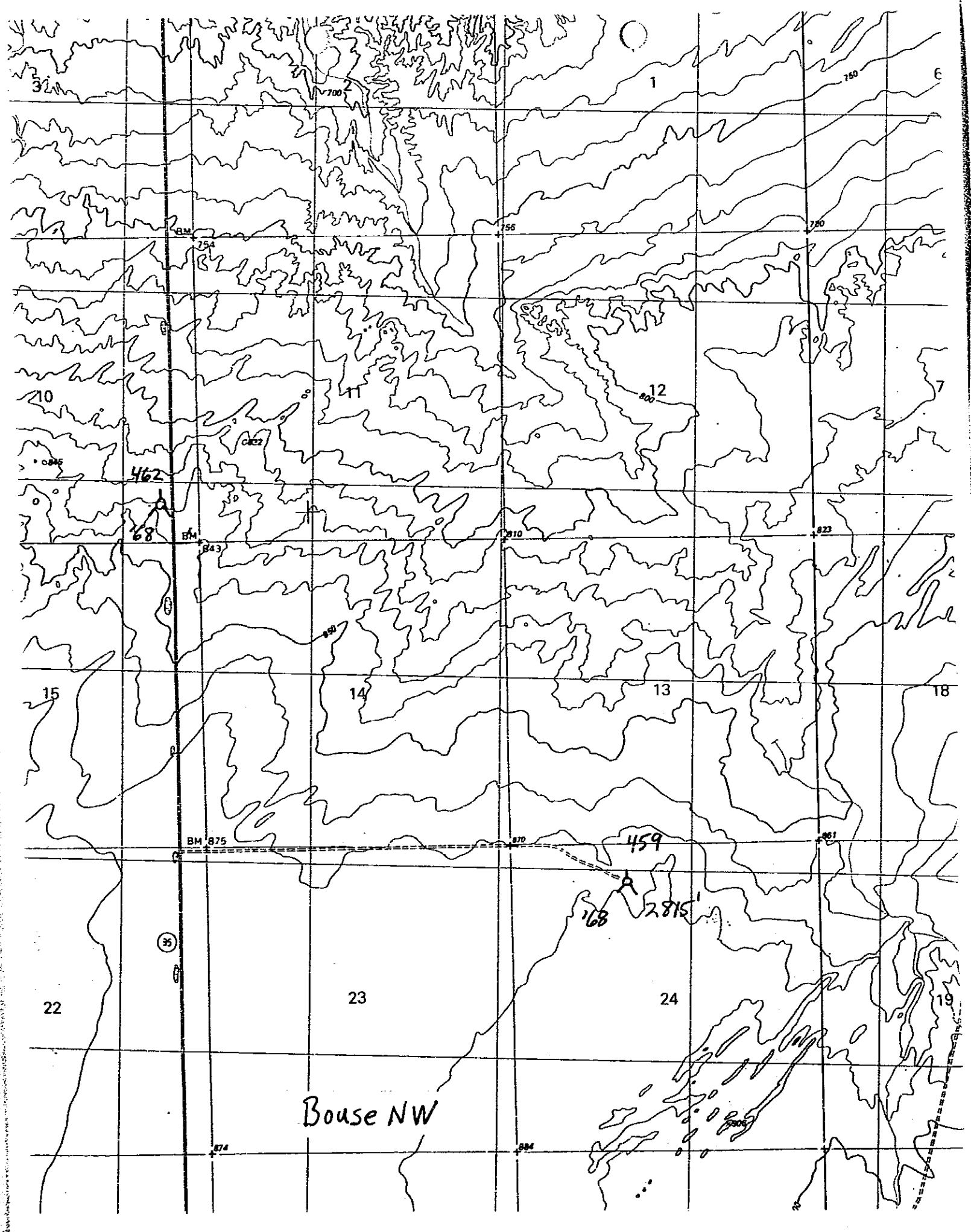
OIL AND GAS CONSERVATION COMMISSION
By John Bannister
EXECUTIVE SECRETARY

PERMIT No. 459

RECEIPT NO. 9543
API No. 02-027-20002 (1983)

10' Samples required

State of Arizona
Oil & Gas Conservation Commission
Permit to Drill
FORM NO. 27


3
1
6
700
750
BM
754
756
780
10
11
12
7
800
822
845
462
168
BM
843
810
823
850
15
14
13
18
BM 875
870
861
459
168
2815'
35
22
23
24
19
Bouse NW
874
884
906

#459

ROCKY MOUNTAIN GEO-ENGINEERING COMPANY

Grand Junction, Colorado

					FROM	TO
COMPANY	EL PASO NATURAL GAS COMPANY	LOCATION	NW SEC 24-7N-19W	DEPTH LOGGED	2040	2815
WELL	LA POSA 24-31 A-1	COUNTY	YUMA	DATE LOGGED	5-15-68	6-7-68
FIELD	WC	STATE	ARIZONA			
ELEVATION	887' GL	DRILLING FLUID	GEL CHEM	ENGINEERS	BILL COVEY	

3

LEGEND FOR CHROMATOGRAPH

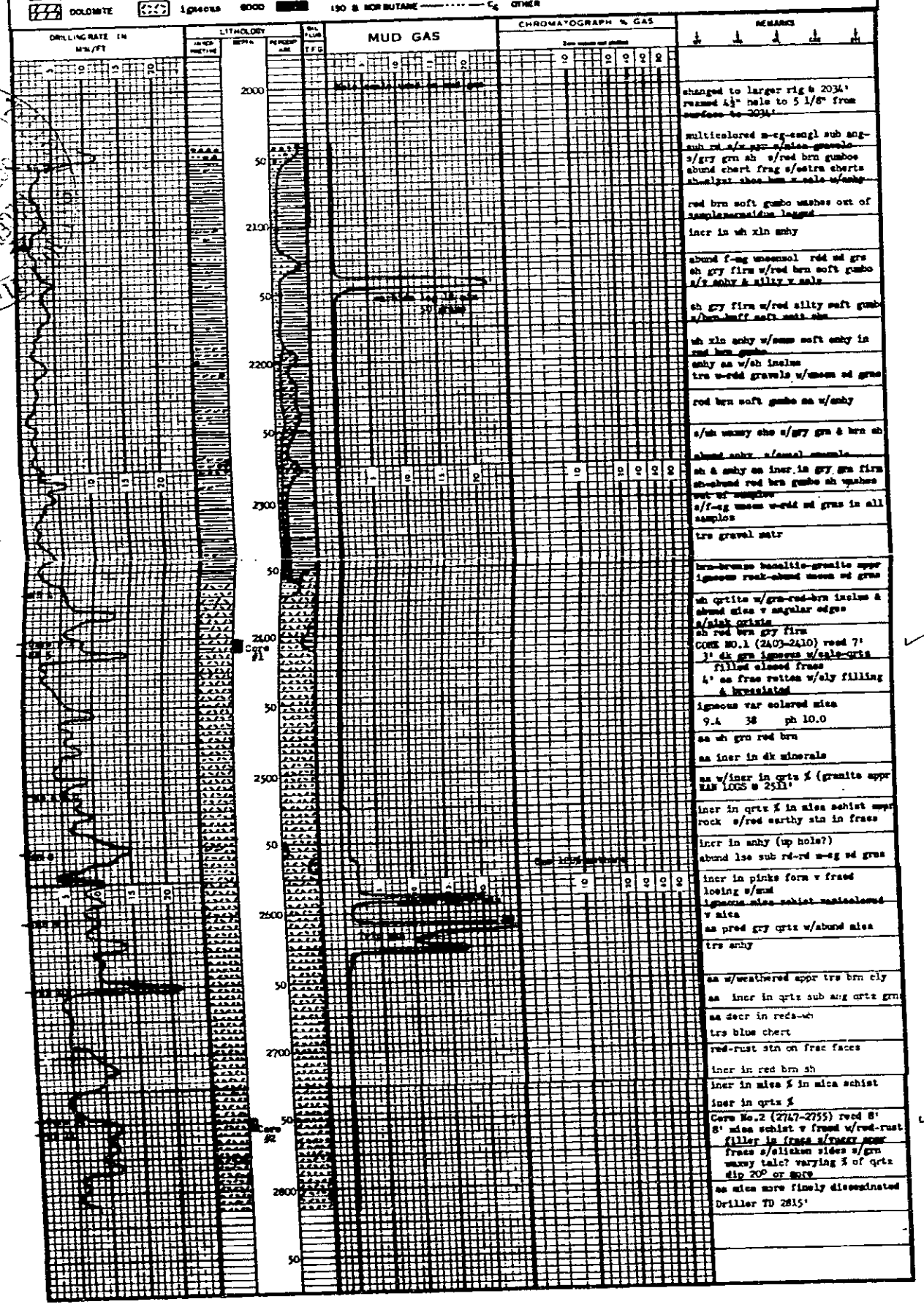
anhydrite, SHALE, SANDSTONE, LIMESTONE, DOLOMITE, CHERT, CONGLO, COAL, igneous

OIL FLUO: TRACE, FAIR, GOOD

METHANE C_1; ETHANE C_2; PROPANE C_3; ISO & NOR BUTANE C_4; ISO & NOR PENTANE C_5; HYDROGEN; CARBON DIOXIDE; OTHER

CORE NO.; DST NO.; DEVIATION

RE-NEW BIT; NR-NO RETURNS; CO-CIRCULATE OUT



REMARKS

changed to larger rig @ 2034' reamed 4½" hole to 5 1/8" from surface to 2034'

multicolored m-cg-sangl sub ang-sub rd s/w pyr s/mica gravels s/gry grn sh s/red brn gumbos abund chert frag s/extra cherts sh-slgst shos hem s-sale s/anhy

red brn soft gumbo washes out of samples as sides lagged

incr in wh xln anhy

abund f-mg unconsol rdd sd grs sh gry firm w/red brn soft gumbo s/s anhy & silty v sale

sh gry firm w/red silty soft gumb s/brn-buff soft anhy sho

wh xln anhy w/some soft anhy in red brn gumbo

anhy as w/sh inclus trs w-rdd gravels w/unconsol sd grns

red brn soft gumbo as w/anhy

s/sh waxy sho s/gry grn & brn sh abund anhy s/unsol granule

sh & anhy as incr in gry grn firm sh-abund red brn gumbo sh washes out of samples

s/f-mg unconsol w-rdd sd grns in all samples

trs gravel matr

brn-brunno basaltic-granite appr igneous rock-abund unconsol sd grns

sh qrtite w/grn-red-brn inclus & abund mica v angular edges s/slsh crinin

sh red brn gry firm

CORE NO.1 (2403-2410) recd 7' 1' dk grn igneous w/sale-grin filled closed frac 4' as frac rotten w/sly filling & brecciated

igneous var colored mica 9.4 38 ph 10.0

as wh grn red brn

as incr in dk minerals

as w/incr in qrtz % (granite appr

ELE LOGS @ 2511'

incr in qrtz % in mica schist appr rock s/red earthy stn in fracs

incr in anhy (up hole?) abund lse sub rd-rd m-cg sd grns

incr in pinks form v fracd loosing s/sand

igneous mica schist multicolored v mica

as pred gry qrtz w/abund mica

trs anhy

as w/weathered appr trs brn cly

as incr in qrtz sub ang qrtz grns

as decr in reds-wh

trs blue chert

red-rust stn on frac faces

incr in red brn sh

incr in mica % in mica schist

incr in qrtz %

Core No.2 (2747-2755) recd 8' 8' mica schist v fracd w/red-rust filler in fracs s/fuzzy appr fracs s/slicken sides s/grn waxy talc? varying % of qrtz dip 20° or more

as mica more finely disseminated

Driller TD 2815'

RECEIVED OCT 16 1968 STATE O & G CONS. COMM.

El Paso EXPLORATION COMPANY

P. O. BOX 289
FARMINGTON, NEW MEXICO 87401

PHONE: 505-325-2841

March 30, 1981

#2522
9/N 459

Dr. Wes Pierce
Bureau of Geology
845 North Park Avenue
Tucson, Arizona 85719

Dear Wes:

Enclosed please find the sample descriptions you requested per our telephone conversation of today, March 30, 1981 on the El Paso Natural Gas Company's La Posa No. 1A, NW Section 24, Township 7 North, Range 19 West, Yuma County, Arizona. I hope this information fulfills your needs. If we can be of anymore help to you please call.

Sincerely,

Chief Brown

C. F. (Chief) Brown
Advanced Senior Geologist

CFB:as
Enclosures

#2522

P/N 459

SAMPLE DESCRIPTIONS
EL PASO NATURAL GAS CO., LA POSA #1
NW 24-7N-19W, YUMA ARIZONA

DEPTH	DRILLING TIME MIN/10 FEET	
0-25	25 min.	SS. Buff colored to lt. tan, very coarse grs of cl qtz. in a brn-tan-very calc. matrix. This is probably the thin beds of caliche that can be seen on the surface. Qtz. grns are sub-rd, to rd and vari-colored. Matrix is soft to hd. Some uncons. cl qtz grns but mostly loosly consolidated (valley fill.)
25-50	35 min.	SS., aa. Some ls blk fern like material inbedded. lt tan & satiny in texture. Violent effervesence mud clabbered up thru this zone, making for poor samples.
50-60	10 min.	SS. Lt. gray to buff colored-sub-angular, sub-rd, individual grns vari colored, good consolidation mud grn-well sorted. Rest of sample 80% consists of various gravel size qtz-chert & various igneous type roc
60-70	6 min.	(50%)SS., aa. Calcareous cementation, other 50% not as large aa. Did not get good sample drop out on this run.
70-80	10 min.	70% SS. aa. 10% Ls. Micro xlyn-lt tan- 20% gravel type Mud still clabbering.
80-90	10 min.	80% SS., aa. 20% Pebbles of various shapes, sizes & color, mostly rded or sub-rd. Samples cleaning up a little.
90-100	11 min.	50% SS., aa. 10% Ls., aa. 20% Mdst, choc brn, This may be what is clabbering mud. 20% pebbles varied.
100-110	10 min.	60% SS., aa. 40% varied sized, shaped & color of pebbles including approx 10% chert-smoky gry-milky wht & some reds.
110-20	10 min.	40% SS., aa. 20% LS, lt tan, aa. 10% mdst brn aa. 30% unconsolidated material. Qtz. cht, tg, etc, gravels.
120-30	12 min.	Aa. Samples not so good.
130-40	12 min.	60%, SS., aa. some conglomeritic, 10% LS, lt tan aa. 30% Unconsolidated material—pebbels of qtz, cht & some igneous mat.

DEPTH	DRILLING TIME MIN/FEET	
140-50	10 min.	Lost Samples from Box.
150-60	9 min.	40% SS, Buff, med gr, 10% Ls, wht-lt tan, with fern like pattern- 50% unconsolidated gravel size material.
160-70	12 min.	50% SS., aa Lt. gry-lt grn, med gr. 50% uncon. material. Appear to be drilling an occasional boulder cuttings are blk, brn, reds, brns, smoky gry & yellowish cherts. Some sft calc filler material.
170-80	12 min.	Mdst. - Mud clabbered-mud balls contain cuttings as described above. Approx 80% mud.
180-90	13 min.	Mdst, aa. Mdst containind uncons qtz-chert & various igneous cuttings also some SS as described above.
190-200	10 min.	Mdst. aa mud still clabbered. Gravel consisting of qtz. chert, Ls, SS and various igneous material. Sample clearing up a little. Some of the material is rd & sub-rd, others appear fresh cut. Vari-colored, shape & size.
200-10	10 min.	Aa.
210-20	10 min.	Gravels aa. decrease in SS & Ls, increase in drk igneo. material, some what like gneissic material of Butler Valley #1.
220-30	7 min.	SS. lt gry-wht-tan. Approx 40% os sample -rest of sample gravels aa with increase in wht qtz.
230-40	9 min.	Gravels-This sample was fn stuff that we are evidently losing thru the sieve. Consists of qtz-cht, Ls, SS, etc. Mud began to clabber a little more on this sample.
240-50	11 min.	Gravels aa. Collected the fn stuff & found it to be very fn, sub-rd-rd sd grns. Driller thinks it is perhaps quick sand. Mud still clabbering from clyst. (mdst.)
250-60	10 min.	Gravel & quick sands aa. decrease in clyst.
260-70	11 min.	Gravels larger size cuttings, drilled rough thru this section, probably boulders.
Qo / TQo 270-80	10 min.	SS., lt gry to wht. This SS is very friable the cementation is very clay like went to bent. It readily falls completely apart in wtr. This is partially responsible

DEPTH	DRILLING TIME MIN/FEET	
con't 270-80	10 min.	for mud being clabbered (Quicksands.)
280-90	10 min.	Gravels & mdst. (occasional boulders by rough drilling.)
290-300	12 min.	Gravels decrease in mdst. Large pebbles in this sample (stream bed deposits) still lots of fn gr. sds (Quicksands aa.)
300-10	13 min.	Aa. from drilling it appears that we are drilling thru thin beds of sdst-clyst or mdst & gravel. Gravel beds seem to have most of the boulder material.
310-20	9 min.	Aa. increase in mdst. (fines)
320-30	8 min.	Aa. increase in claystone?
330-340	8 min.	Aa. increase in claystone?
340-50	11 min.	Gravel approx 50% grd boulder material, various size & shape and color-qtz & cht.
350-60	11-min.	Mdstone with gravel aa. fn gr sds (quick)
360-370	9 min.	Gravels with decrease in mdst.
370-380	12 min.	" increase in wht-qtz.
380-90	9 min.	SS. lt gry, friable clay cement approx 70% of samples. This is what breaks up & puts the clay in the mud. Most of the sample is clay with gravels & snd grns imbedded.
390-400	12 min.	Claystone w/imbedded gravels. All shapes sizes & colors.
400-410	15 min.	Claystone lt gry mdst lt to med brn, very little gravels. much fn grn, unconsolidated snd in box.
410-420	10 min.	Clayst & Mdst aa. 50% Gravels 50%.
420-430	10 min.	SS. lt gry approx 20% rest of samples gravels of various size, shape & color, increase in red colors. Qtz-chert, Jasper crilling indicates we are cutting thru gravel beds.

DEPTH	DRILLING TIME MIN/FEET	
430-40	13 min.	Gravels aa. increase in wht qtz grns, decrease in SS maybe 10% still drilling rough.
440-450	10 min.	Gravels aa, very little SS.
450-460	9 min.	Clyst, lt gry to tan, some imbedded gravels aa.
460-70	11 min.	Gravels, some claystone (large rd pebbles-stream beds deposits.)
470-480	13 min.	Gravels. By the amount of samples & rough drilling this whole interval must have been gravel beds .
480-490	19 min	Gravels aa. One piece of Ls.
490-500	22 min.	Gravels aa. 20% Claystone lt gry-wht (sl: mineral floo
500-510	18 min.	Aa., boulders rough drilling.
510-520	16 min.	100% Gravels drilled like coulders all shapes, sizes & colors.
520-530	19 min.	100% Gravels aa.
530-540	15 min.	Aa.
540-550	14 min.	60% Gravel, 40% Clayst. (Gravels, a/a.
550-560	19 min.	100% Gravels a/a.
560-570	19 min.	Gravels a/a. 20% Claystone a/a.
570-580	17 min.	Gravels a/a. 10% claystone a/a.
580-590	23 min.	50% Gravels a/a. 50% Claystone a/a tr. Ls.
590-600	16 min.	70% Gravels a/a. 30% Claystone a/a.
600-610	18 min.	70% Gravel, 30% Clayst. a/a buff color.
610-620	26 min.	5% Gravel 50% Clyst. a/a " ".
620-630	18 min	80% Gravel 20% Clyst. a/a " ".

DEPTH	DRILLING TIME MIN/FEET	
630-640	20 min.	50% Gravel, 50% Clayst. a/a buff color to lt brn SS.
640-650	16 min.	A.a. " " " " .
650-660	14 min.	A/a. 50/50 " " " " .
660-670	20 min.	70% Gravel, 30% Clayst. wht-brn-real rough drilling.
670-680	19 min.	80% Gravel, 20% Clyst. Real rough drilling.
680-690	29 min.	90% Gravels, 10% Clyst. Real rough drilling.
690-700	22 min.	90% Gravels, 10% Clyst. Real rough drilling.
700-710	20 min.	100% Gravels a/a. The first 6' of this sample was caught 4/25/68, at the end of the days run hence the cuttings are smaller than these cut with the new bit starting 4/26/68.
710-720	16 min.	100% Gravels a/a. Small pebbles Rd qtz. Cutting boulders which consist of various types of igneous rocks of varying shapes-sizes & colors. Probably still drilling in River terrance. (Tr Ls, fossilferous & cherty & lge piec
720-730	18 min.	100% Gravels a/a. Drilling getting rougher evidently larger boulders, sl increase in pinkish-purplish. Tr Ls appears to be coral fossil as here.
730-40	16 min.	100% Gravel a/a.'
740-50	11 min.	80% Gravel a/a, encountered clyst. 20% in bottom 5' of sample.
750-760	17 min.	100% Gravel a/a. (Another piece of fossilized Ls, hd chert,
760-770	20 min.	100% Gravels a/a.
QT_A 770-780	35 min.	100% Gravels a/a, increase in penetration rate, may have hit big boulder, sl increase in drk gry-glk mat. (35" for 10
T_B 780-790	32 min.	70% Clyst-bit tried to ball up in this interval, also lost quite a bit of fluid, 1st time for any fluid loss. 30% Gravels a/a lt. brn.
790-800	26 min.	90% Clyst a/a, (quicksand.) 10% Gravel.
800-810	20 min.	100% Claystone a/a.

DEPTH	DRILLING TIME MIN/FEET	
810-820	25 min.	100% Clyst. a/a.
820-830	39 min.	50% Clyst. a/a. 50% drk gry-lt brn-brn shale, bottom of interval approx. 20% of this. (Gry sh very calc. brn calc.)
830-840	37 min.	A/a.
840-850	24 min.	70% Clyst. a/a, (20% grn-gry sh, 10% Brn sh. makes for a muddy situation.
850-860	26 min.	90% Clyst, 10% gry & brn sh, calc. good effervencense Note: Brn sh has a flaky break up in acid.
860-870	34 min.	70% Clyst a/a. 30% gry-grn sh a/a.
870-880	18 min.	50% gry-grn sh very calc. 50% choc brn sh. very calc. both very flaky when treated w/acid.
880-890	41 min	80% gry-brn. 10% choc brn, 10% lt-brn, all calc.
890-900	50 min	90% gry-brn sh. 10% choc brn sh a/a.
900-910	47 min.	100% sh. lt-drk gry, to brn.
910-920	25 min.	40% gry-br sh. a/a. 60% clyst. tan & lt. brn. Clyst. very muddy matrix with v fn sand grns well srtd, but uncons had drilling break last 5' of this interval- 9 min clyst.
920-930	33 min.	60/40 a/a. Sh approx 50/50 between brn & gry-brn.
930-940	20 min.	60/40 a/a.
940-950	33 min.	Clyst. a/a 60/40, Shales a/a. (some v cse qtz grns?) rounded - Gravels.
950-960	30 min.	A/a (slight increase in Gravels) maybe 10%.
960-970		Shales a/a, clyst a/a Note: The above clyst could be picking up the v fn grn and grains due to re-cycling.
970-980	17 min.	Shales a/a, approx 10% gravels, v calc.
980-990	55 min.	100% Sh a/a, decrease in gravels.

DEPTH	DRILLING TIME MIN/FEET	
990-1000	60 min	100% Shales a/a, increase in brn sh.
1000-10	45 min.	100% Sh a/a. 60% Brn to 20% gry-grn. (sm. amt-gravel red-yellowish-wht qtz.)
1010-1020	24 min.	100% Shales a/a, gravels a/a, tr. lt brn & gry clyst.
1020-30	8 min.	70% Clyst, lt brn & gry. 20% shales a/a some gravel about 10%, (drilling break 8 min-10')
1030-1040	38 min.	60% clyst a/a. 20% shales-10% gravels tr marcasite tr. drk Ss.
1040-50	39 min.	50% Shales a/a. 10% clyst. a/a 40$ gravel , appears to be drilling cobbles or pebbles.
1050-1060	42 min.	60% Sh, gry-brn, 20% clyst, 20% gravels , tr marcaiste.
1060-1070	28 min.	40% Shales Gry-brn, 50% grn clyst, muddy samples 10% gravels.
1070-1080	31 min.	A/a. 60% gry, brn sh, 40% brn & Gry clyst. tr gravel. Note: The above described clst could be shales forming mudballs & picking up fn grn sands from recycling.
1080-1090	37 min.	80% Sh. lt. brn gry-grn., gry 20% clyst lt brn-gry.
1090-1100	11 min.	80% a/a sh. 20% cly a/a.
1100-1110	10 min.	80% Sh. a/a 20% cly a/a.
1110-1120	7 min.	80% Sh. a/a 20% cly a/a (approx 10% of this sample is a lt gry sh New!!! tr marcasite.
1120-1130	29 min.	90% Sh.a/a 10% cly a/a. (sub-rd biolite to fn gr SS friable well-srtd lt grn-tan) found snail shell in this sample may have blew in.
1130-1140	17 min.	80% shales a/a, 20% clyst. a/a (tr of SS a/a, This looks same as the brn clyst without the clay matrix.)
1140-50	9 min.	80% Shales a/a. 10% clyst a/a 10T SS lt brn a/a & gry same characteristice (Drilling break here.)
1150-1160	10 min.	100% Shales a/a increase in choc brn sh. tr Siltstone brn & gry calc. (circulated tow' to 5' samples here.)

DEPTH	DRILLING TIME MIN/FEET	
1160-1170	11 min.	100% Shales, 70% brn sh.
1170-1180	15 min.	100% Shales, aa. Gry sh still. Bent looking.
1180-1190	20 min.	100% Sh a/a decrease in brn sh to 60%. Note: bit was modified with jet like openings. So far today it has not balled up & samples are much cleaner than yesterday. Drilling rate much better.
1190-1200	23 min.	100% sh, 60% gry-grn, 40% choc brn. (Lt. gry bent. type increase.)
1200-1210	27 min.	90% sh, a/a, 50% gry-grn, 40% choc brn, 10% tan hd. appears to be sh. (Maybe Shaly fresh water Ls violently effv, shows up under blk light.
1210-1220	18 min.	80% sh a/a. 40% gry-grn, 40% choc brn, 20% Shly Ls a/a to gry SS med gr. mostly cl sub rd qtz tr marcasite also tr dirty gry siltstone.
1220-1230	10 min.	90% Shales a/a, 50% gry-brn, 40% choc brn, 10% shly LS a/a. does not cut w CC/4.
1230-1240	9 min.	20% buff colored Sltst. + gry colored sltst also cl qtz grns, med gr. well rounded - well srtd, completely uncons. Also tr grn fn grn friables SS, Silts react w/HCL. fluor in blk light-no cut w ccL_4. Circ out. 80% Sh a/a. However, some of above SS could be lost in big sieve.
1240-1250	7 min.	70% sh a/a. Circulated out each 5' sample & completely cleaned sample box with each 5' sample the sd drop out has been approx 30%. The last 5' took only 2 min to drill.
1250-55 1255-1260	6 min. " "	Have drilled this 5' in 3 min. Circ out, found sh & uncons SS a/a 70/30 caught a sample of mud to check recycle sd. Quite a bit in mud bit individual grns are much fner. Drilling time indicates something new & sample indicate sd -how much in undetermined. For 1255-60 SS - vfn-fn grns, vari colored, sub rd-rd, completely uncons. This is probably what we hit @ 1240' Percentage is still hd to determine. Note: Shales may be sluffing in from up half at this point.
1260-1270	6 min.	Shales aa. Could be mostly sluffing. SS-Sltst various shades of brn-lt brn to dk muddy brn has weathered look. Uncons sd grns fn-- cse-cl-vari colored, rd-sub-rd., Drilling time indicates this is what we are Ø at least 90%.

La Posa #1
Yuma Arizona

DEPTH	DRILLING TIME MIN/FEET	
1270-80	6 min.	SS a/a.
1280-1290	6 min.	SS a/a.
1290-1300	6 min.	80% SS a/a. Reddish brn sltst. -20% drk stst. Some other consolidated SS gry-lt tan very friable fall completely apart when pressure applied w/tweezers.
1300-1310	9 min.	50% SS a/a. 50% v cse-gravel like-vari colored round to angular-boulder material (drilling break here) violent effv.
1310-1320	14 min.	50% SS a/a-50% reddish-brn sltst.
1320-1330	14 min.	30% SS a/a. 50% A little more clay "less reddish", 20% gry sltst. calc.
1330-40	13 min.	10% SS a/a, 70% "less reddish", 10% gry slst.
1340-1350	16 min.	100% Brn claystone a/a bentonitic, slty, abnt gy-grn calc, fiss, bent. Shale caving.
1350-60	13 min.	100% Brn claystone a/a.
1360-1370	23 min.	100% brn clayst a/a tr wht sugary calc. tr gry slst. This brn clyst may be a LS, leaves a lot of residue in spot plate after acidizing.
1370-80	25 min.	50% brn clyst a/a. 40% LS wht-lt tan soft to firm chalky to gypsum. Mud thickened up 1st couple of feet. soft wht LS.
1380-90	26 min.	35% Brn clyst a/a. 45% LS a/a. 20% Gypsum selenite clear.
1390-1400	21 min.	10% brn clyst a/a. 40% LS a/a, 50% gypsum selenite cl., tr alabaster. TD 4/30/68 1405' Tip in hole 5/1/68-Bridge @ 1295 Mud WL-65.0 wt 9.0, visc(smooth)
1400-10	21 min.	50% clyst, v/lt-med brn, lt grn, tr ls wt, v argil, earthy 50% gyp, mostly selenit, so earthy calc, slty, non-arenac most v crse extcline (selenite) Shut down @ 1412 to circ & bring mud back. -In very bad shape w/extreme WL. Danger to hole. Bringing up v abnt grn & gry-grn bentonic sh cavings.

Bottom of Bore

LaPosa #1
Yuma, Arizona.

DEPTH	DRILLING TIME MIN/FEET	
1410-20	24 min.	70% clyst, lt brn, wt, lt grn-lt brn is slty, sl/sdy, calc wt & lt grn is earthy to translucent. Tr chert, wt, transpor to translue. 30% gyp, (celenite) & earthy (alabaster.)
1420-30	23 min.	50% clyst, a/a, most lt brn. Occass R. qtz grns cse-v crse & chert a/a. 50% gyp and/or anhy a/a.
1430-40	31 min.	30% clyst, a/a, most lt brn, v calc. One unattached small gastropod turretella (?) 70 % gyp & anhy, cl & earthy mostly celenite.
1440-50	24 min.	60% clyst, a/a but bentonitic, calc. 40% gyp & anhy a/a.
1450-60	22 min.	70% clyst, a/a, bentonitic, calc. 30% ghp & anhy a/a.
1460-70	30 min.	70% clyst, a/a. 30% gyp anhy, a/a.
1470-80	25 min.	75% clyst, lt-med reddish brn, 25% gpy & anhy, a/a almost all selonite. (on the 75% clyst, also bentonitic, v calc, slty.)
1480-90	19 min.	60% clyst, a/a, caving grn gry fissil sh. 40% gyp & anhy a/a incr in sugary to eartly milky wt.
1490-1500	27 min.	85% clyst, a/a, very bentonitic-plastic .
1500-10	25 min.	75% clyst, a/a. (Mud v 45 wt 8.9) 25% gyp & anhy selenite and earthy, also sugary.
1510-20	21 min.	85% clyst, uniform reddish brn, calc, sl/slty, v bentonitic TD 5/1/68 p.m. 1520'.

TD May 2nd A.M. 1520' Mud v-40 Started Drilling @ 9:15

1520-30	24 min.	45% clyst, reddish brn, cacl, slty, sl/benton to benton. sow/stringers of anhy. (Poor samples cavings very bad-grn-gry, shales so soft, plastic red, 55% anhy, wt chalky, tr anhy, grn, tranlucent, sl/argil, NO Selonite cl.
1530-40	35 min.	50% clyst a/a. 50% anhy a/a gyp-selenite.
1540-50	28 min.	80% clyst a/a, bad coverings, 20% anhy & gyp a/a. Circ up @ 1555 for 45 min-hole fairly clean-rotating

LaPosa #1
Yuma, Arizona

DEPTH	DRILLING TIME MIN/FEET	
1540-50	con't	slow had some sh cavings grn-gry, red mudst.
1550-60	26 min.	90% clyst, reddish to choc brn, calc, sl/slty. v bentonitic-plastic. 10% anhy & gyp a/a.
1560-70	24 min.	80% clyst, a/a. 30% anhy a/a. (Note bit jumped several times in 1580-90).
1580-90	27 min.	60T clyst, a/a. 40% snhy, most v soft, chalky, argil, so hd, translue, to chalky.
1590-1600	40 min.	80% clyst, a/a, reddish brn to choc brn. 20% anhy, aa, tr selenite gyp. TD 5/2/68 p.m 1600 Circ hole clean.

TD 5/3/68 A.M. 1600 on bottom 8:45 Ø @ 9:12 Mud v 37, wt 9.3, WL 7.8.

1600-10	28 min.	80% clyst, reddish brn, calc, sl/slty, v bentontic (plastic), some gyp stringers (few grn fissil sh cavings) 20% gyp (cl selenite & anhy chalky-soft.)
1610-20	28 min.	90% clyst a/a (gum bo) 10% gyp & anhy a/a.
1620-30	37 min.	90% clyst, a/a, tr lt grn & yellow-wt clyst, sl/slty, calc. 10% gyp & anhy a/a.
1630-40	25 min.	85% clyst, a/a (15% lt grn & wt.) 15% gyp & anhy a/a.
1640-50	24 min.	90% clyst, a/a (25% lt grn & wt) 10% gyp and anhy a/a.
1650-60	24 min.	95% clyst a/a. 20% lt grn & wt. strong incr in fiss grn sh. 5% gyp & anhy a/a.
1660-70	26 min.	90% clyst a/a (10% lt grn & wt), most is choc brn. 10% gyp & anhy. a/a.
1670-80	20 min.	75% clyst a/a. (25% lt grn.) Tr uncons. qta grns., cse cl-cloudy, R 25% gyp cl & so anhy chalky, definate increase.
1680-90	15 min.	50% clyst, a/a 20% lt grn. Tr qtz grns a/a. 50% gyp & anhy, both clear and chalky.
1690-1700	15 min.	30% clyst/ aa. 70% hyp, wt, cloudy, milky, ompletant so chalky anhy.
1700-10	31 min.	10% clyst, a/a. Tr floating qtz & grns, crse R

LaPosa #1
Yuma, Arizona

DEPTH	DRILLING TIME MIN/FEET	
1710-20	18 min.	30% clyst a/a. 70% gyp a/a most hd chalky is about 25%.
1720-30	20 min.	45% clyst, a/a reddish, choc brn. 55% gyp a/a, almost all competent. TD 5/3/68 p.m. 1730 quite drilling @ 4:05 circ hole cl vis came up to 45 + after drilling into gyp beds. May 4th day off for the crew-no drilling. May 5th on bottom @ 9:30 a.m. Mud vis 38, wt 9.4 Wl?
1730-40	25 min.	10% clyst, reddish brn, slty, calc. Tr minerali. qtz granules v similar to Butler Valley. 90% gyp wt-cloudy-milky (10% pnkish org, splintery soft, tr cl selenite.)
1750-60	12 min.	25% clyst, gry-brn to wht brn a/a, & clyst lt grn, sl/slty, calc, sl/bentonitic & clyst, reddish brn a/a, bentonitic. 80% gyp a/a., most is milky wht.
1760-70	26 min.	60% clyst, lt (pale) grn a/a, pale brn, a/a. both sl/bentonitic. 40% gypsum, a/a.
1770-80	32 min.	80% clyst, reddish brn, sl/calc, sl/slty, bent to v tentonitic (10% clyst, palegin sl/ benton) 20% gypsum a/a.
1780-90	38 min.	80% clyst, reddish brn, a/a, calc. 20% gyp a/a.
1790-1800	22 min.	70% clyst, a/a (10% pale, grn clyst) 30% gyp a/a.
1800-10	30 min.	75% clyst a/a. 25% gyp a/a.
1810-20	27 min.	70% clyst, a/a, 30% gyp a/a.
1820-30	32 min.	35% clyst, a/a 65% gyp (anhy?) milky wht, med hrd. TD 4/5/68 1830'. TD 4/6/68 1830'. On bottom @ 8 a.m. Started Ø 8:20 hole cl to bottom Mud v 37, wt 9.8, Log-18 min.
1830-40	25 min.	50% clyst, reddish brn, cak, sl/silty, bentonitic 50% gyp (anhy)? wt, mostly milky, so cloudy. competent.

La Posa #1
Yuma, Arizona

DEPTH	DRILLING TIME MIN/FEET	
1840-50	22 min.	65% clyst, a/a. 35% gyp anhy? a/a.
1850-60	28 min.	75% clyst, a/a 25% gyp anhy a/a.
1860-70	25 min.	80% clyst, 50% red-brn a/a and 50% pale to med grn, calc, sl/slty, sl/bentonitic, v soft. 20% gyp anhy? a/a.
1870-80	63 min.	90% clyst, reddish brn a/a. abnt fiss sh cavings, bit balled up. 10% gyp anhy? a/a.
1880-90	39 min.	90% clyst, (70%) red-brn a/a. (30%) pale med-grn, a/a. Tr Ls, reddish brn (f-med) sdy texture, v argil 10% gyp anhy a/a.
1890-1900	31 min.	90% clyst, red-brn a/a. Tr Ls, a/a (variation at clyst) 10% gyp anhy? a/a.
1900-10	34 min.	95% clyst, red-brn, a/a. Tr Ls yellow-grn, sdy texture. v sl/slty, non-argil. 5% gyp anhy? a/a.
1910-20	42 min.	95% clyst, red-brn, v bentonitic a/a and (20%) clyst, pale grn a/a. 5% gyp anhy? a/a.
1920-30	35 min.	90% clyst, reddish brn a/a. 10% gyp anhy? a/a.
1930-40	38 min.	90% clyst, reddish brn, calc, bentonitic sl/slty a/a. 10% gyp anhy? a.a. Finished drilg @ 3:55 Finished circ @ 4:15 TD 5/6/68 p.m. 1941'/
1941-50	35 min.	TD 5/7/68 a.m. 1941'. On bottom @ 7:45 Mud v was way up. Mixed & cond. mud till 9:15 Started drlg @ 9:20 Mud v 35 wt-- Wl 9.0 Log time 20 min. 75% clyst, reddish brn to lt ben, calc, bentonitic to qtz [illegible] sl/bent., sl/slty. 5% floating qtz & chert grns. a/a crse-granule. 20% anhydrite, wt-cloudy. Tr org (cave
1950-60	29 min.	60% clyst. a/a. 15% qtz & Chert colors yellow-orange & red in chert. 25% anhy a/a (25% of this is v pale orange-pink)
1960-70	23 min.	40% clyst, a/a. 20% chert most are uncons. R edges, one piece is por phyritic much blk-one W/feldspor laths in blk grandmess-piece volc. glass-v sharp a. So thin plated cl transpar seleni

LaPosa #1
Yuma, Arizona

DEPTH	DRILLING TIME MIN/FEET	
1970-80	24 min.	20% clyst, a/a. 25% chert, wt-milky-orange, red, yellow unconsd. R-- v crse. 50% anhy wt-milky to yellowish gry, (10%) selenite.
1980-90	23 min.	70% clysts, reddish brn, calc, bent, sl/slty 5% chert grav. a/a. 25% anhy a/a.
1990-2000	67 min.	30% clyst, reddish brn & lt grn, calc, sl/benton, sl/silty. 25% variegated chert a/a. 35% anhy-pale org & wt, milky-so sharp (broken by bit) so R-prib all ore uncons bravels (small gastro pod turretella-same as those above - float)
2000-10	33 min.	75% clyst, reddish brn & pale brn, sl lt grn. 15% variegated cherts a/a. 10% anhy a/a mostly wt-milky.
2010-20	29 min.	80% clyst, reddish brn & pale brn, calc, sl/bent benton. Tr chert a/a. 20% anhy a/a, tr selenite . A nother small turretella-all coil right.
2020-30	49 min.	75% clyst, reddish brn a/a 15% chert, variegate a/a. 10% anhy a/a wht-milky. TD 5/7/68 p.m. 2030'. Quit drlg @ 3:35 P.m. Cond mud till 4 :15 p.m. Added wtr-v 34-35 (ob) wt 9.8

880 → 100

0 - 780 QT_A OLDER ALLUVIUMS INCLUDING COLO. R. GRAVELS

780 - 1300 T_B BOUSE FMN 100 → -420

1300 - 1310 T_F FANGLOMERATE LENS. -420 TO -430

1310 - 1380 T_B BOUSE FMN ? OR FINE GRAINED FANGL. -430 TO -500

1380 - 2360 T_S TERTIARY SEDIMENT - LOWER BASIN FILL, GYPSIFEROUS PLAYA DEPOSIT. DOES THIS CORRELATE W/ FANGLOMERATE? SOUNDS LIKE MUDSTONE OF MUDDY CREEK FMN.

2360 - 2815 METAMORPHIC BASEMENT PINAL SCHIST ??

X-Chrono
X-Lambert

April 30, 1969

Mr. E. S. Oberly
El Paso Natural Gas Company
P. O. Box 990
Farmington, New Mexico 87401

Re: El Paso Natl Gas #1A Fed La Posa
T7N, R19W, G & SRM
Sec. 24: NE/4 NW/4
Yuma County
Permit #459

Dear Mr. Oberly:

Enclosed are our forms, Application To Abandon and Plug in duplicate and Plugging Record. We note that verbal approval was given by John Bannister on 3-27-69. Please complete these forms for our records.

Yours truly,

James A. Lambert
Administrative Assistant

JAL:jf

Enc.

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X-Chrono Log
X-Lambert Log

March 24, 1969

Mr. E. S. Oberly
El Paso Natural Gas Company
P. O. Box 990
Farmington, New Mexico 87401

Re: El Paso Natl Gas #1A Fed La Posa
T7N, R19W, G & SRM
Sec. 24: NE/4 NW/4
Yuma County, Arizona
Permit #459

Dear Mr. Oberly:

Enclosed is the approved temporary abandon status. Note that this expires on July 1, 1969, and that should you wish to carry this well in such status beyond that date, a written petition should be addressed to the Commission during June, 1969.

Yours truly,

James A. Lambert
Administrative Assistant

JAL:jf

Enc.

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1

March 13, 69

Telephone: Talked with Ed Oberly. Asked him to send us a letter requesting permission to temporarily abandon this well.

gjs

El Paso Natural Gas Company

El Paso, Texas 79999

February 11, 1969

ADDRESS REPLY TO
POST OFFICE BOX 990
FARMINGTON, NEW MEXICO 87401

Mr. James Scurlock, Geologist
Arizona Oil and Gas Conservation Commission
Room 202, 1624 West Adams
Phoenix, Arizona - 85007

Dear Mr. Scurlock:

The status of the El Paso Natural Gas Company La Posa Strat A #1 has not changed since the Well Completion or Recompletion Report and Well Log was filed with your office.

This well remains a dry hole, shut-in. There has been no plugging action undertaken by El Paso Natural Gas Company nor anyone else on this well. We will consult with your office before we attempt a plugging action on this well.

Yours very truly,

E. S. Oberly,
Regional Petroleum Engineer

ESO:dgb

RECEIVED
FEB 13 1969
STATE O & G
CONS. COMM.

459

February 10, 1969

Mr. Charles F. Brown
Exploration Geologist
El Paso Natural Gas Company
P. O. Box 990
Farmington, New Mexico 87401

Re: El Paso Natl Gas #1A Fed La Posa
T7N, R19W, G & SRM
Sec. 24: NE/4 NW/4
Yuma County, Arizona
Permit #459

Dear Chief:

Again, let me inquire about the El Paso #1A Federal La Posa Strat, Section 24-7N-19W, Yuma County, We talked about this on the telephone a few days ago. Would you be so kind as to ask one of the engineers to send us a memo outlining the plugging program that was used on this well.

In the future, please consult this office before plugging a well so that we can review the plugging program with you prior to plugging.

Kindest regards,

James Scurlock
Geologist

JS:jf

P. S. Bring golf clubs.

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1-24-69

Telephone Chief Brown → JK

Chief will send us
a memmo on this well.
He is SURE that well
Has been plugged out,
MARKER pipe installed,
etc.

#459

#459

MEMO: FILE
FROM: J. LAMBERT 12-16-68

Re: El Paso Natl Gas #1 Fed Butler
T8N, R13W, G & SRM
Sec. 20: SW/4 SW/4
Yuma County, Arizona
Permit #457

El Paso Natl Gas #1A Fed La Posa
T7N, R19W, G & SRM
Sec. 24: NE/4 NW/4
Yuma County, Arizona
Permit #459

El Paso Natl Gas #1B Fed La Posa Strat
T7N, R19W, G & SRM
Sec. 10: Se/4 SE/4
Yuma County, Arizona
Permit #462

Mr. E. S. Oberly telephoned the office this date and reiterated that there were no reports pertaining to cores on the #1A Federal La Posa and the #1B Federal La Posa. They are unable to furnish us with any reports as to the coring or drill stem tests on any of the three wells. He is making an attempt to get the report pertaining to the Butler Federal #1 that was turned to their mining division.

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December 13, 1968

Mr. E. S. Oberly
El Paso Natural Gas Company
P. O. Box 990
Farmington, New Mexico 87401

Re: El Paso Natl Gas #1 Fed Butler
T8N, R13W, G & SRM
Sec. 20: SW/4 SW/4
Yuma County, Arizona
Permit #457

El Paso Natl Gas #1A Fed La Posa
T7N, R19W, G & SRM
Sec. 24: NE/4 NW/4
Yuma County, Arizona
Permit #459

El Paso Natl Gas #1B Fed La Posa Strat
T7N, R19W, G & SRM
Sec. 10: SE/4 SE/4
Yuma County, Arizona
Permit #462

Dear Mr. Oberly:

Enclosed is our instruction sheet that we have furnished you previously concerning samples and cores. We remind you the captioned wells were drilled under permits issued by this Commission, and it is the concern of this Commission that all reports pertaining to these wells be furnished to us. The Executive Secretary requests that you come into full compliance with these regulations. We will find it distasteful to refer the matter to the Attorney General's office.

Yours truly,

JAL:jf
Enc.

James A. Lambert
Administrative Assistant

459

El Paso Natural Gas Company

El Paso, Texas 79999

December 11, 1968

ADDRESS REPLY TO
POST OFFICE BOX 990
FARMINGTON, NEW MEXICO 87401

Mr. James A. Lambert
Oil and Gas Conservation Commission
State of Arizona
Room 202, 1624 West Adams
Phoenix, Arizona - 85007

Dear Sir:

In answer to your letter of December 10, I submit the following:

No cores were analyzed in a lab from the three wells in question. The drill stem test indicated on the Federal La Posa No. 1-A reports was a failure and no information was derived from it.

As of this date, you have all of the information in your files that El Paso Natural Gas Company has on these wells. The core on the Butler Federal No. 1 was turned over to our Mining Division, but their look at the cores from the mineral standpoint should be of no concern to the state office of the Oil and Gas Commission.

Yours very truly,

E. S. Oberly

E. S. Oberly,
Regional Petroleum Engineer

ESO:dgb

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RECEIVED
DEC 12 1968
STATE O & G
CONS. COMM.

December 10, 1968

Mr. E. S. Oberly
El Paso Natural Gas Company
P. O. Box 990
Farmington, New Mexico 87401

Re: El Paso Natl Gas #1 Fed Butler
T8N, R13W, G & SRM
Sec. 20: SW/4 SW/4
Yuma County, Arizona
Permit #457

El Paso Natl Gas #1A Fed La Posa
T7N, R19W, G & SRM
Sec. 24: NE/4 NW/4
Yuma County, Arizona
Permit #459

El Paso Natl Gas #1B Fed La Posa Strat
T7N, R19W, G & SRM
Sec. 10: SE/4 SE/4
Yuma County, Arizona
Permit #462

Dear Mr. Oberly:

Daily drilling reports indicate that coring was accomplished on 4-16, 4-18, and 4-20 on the El Paso #1 Federal Butler. Please furnish this office with the core analysis resulting from this coring action.

Our records indicate that drill stem tests were done on the El Paso #1A Federal La Posa on 5-23 and 6-12. They also show that core analysis were taken on 5-21 at 2400' and on 6-7 at 2750'. Will you please submit these reports.

459

We also need the reports on the El Paso #1B Federal La Posa Strat concerning core analysis that were taken at 880' on 6-18, at 1070' on 6-19, and at 1230' on 6-20.

We would appreciate receiving all of the above reports at your earliest convenience.

Yours truly,

James A. Lambert
Administrative Assistant

jf

El Paso Natural Gas Company

El Paso, Texas 79999

October 15, 1968

ADDRESS REPLY TO
POST OFFICE BOX 990
FARMINGTON NEW MEXICO 87401

Mr. John Bannister, Executive Secretary
Arizona Oil and Gas Conservation Commission
1624 West Adams
Phoenix, Arizona - 85000

Dear Sir:

The following logs and information have been sent to you today by the El Paso Natural Gas Company Exploration Department:

Butler Strat #1, Permit #457 Lease #USA Arizona #146	Induction-Electric Log, Gamma Ray-Neutron Log, Acoustilog
La Posa Strat A #1, Permit #459 Lease #USA Arizona #150	Induction-Electric Log, Gamma Ray-Neutron Log, Dip Meter Log, Bore Hole Compensated Sonic-Gamma Ray Log, R. M. Geo-Eng. Hydrocarbon Log
La Posa Strat B #1, Permit #462 Lease #USA Arizona #150	Induction-Electric Log, Gamma Ray-Neutron, Dip Meter Log, Bore Hole Compensated Sonic-Gamma Ray Log, R. M. Geo-Eng. Hydrocarbon Log

Samples recd within the jurisdiction of M. P. Telecon on 10/17/68

The samples from the Butler Strat #1 and the La Posa Strat A #1 were shipped to the University of Arizona, at Tucson, in care of a Mr. Pierce, on September 3, 1968. The samples from the La Posa Strat B #1 are being prepared at the Four Corners Sample Cut in Farmington, New Mexico, and will be sent to Mr. Pierce in the near future.

Please disregard the copy of my letter that Mr. L. G. Truby's office sent you. This letter was written and withheld pending the clearing and releasing of these logs. This clearance was expected within the day the letter was written, but was not obtained until now.

Yours very truly,

E. S. Oberly,
Regional Petroleum Engineer

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ESO:dgb
cc: W. G. Cutler
L. G. Truby
T. W. Bittick

RECEIVED OCT 16 1968 STATE O & G CONS. COMM.

October 10, 1968

Mr. E. S. Oberly
El Paso Natural Gas Company
P. O. Box 990
Farmington, New Mexico 87401

Re: E. P. #1B Fed. La Posa Strat
T7N, R19W, G & SRM
Sec. 10: SE/4 SE/4
Yuma County, Arizona
Permit #462

E. P. Natl Gas #1-A Fed. La Posa Strat
T7N, R19W, G & SRM
Sec. 24: NE/4 NW/4
Yuma County, Arizona
Permit #459

E. P. Natl Gas #1 Fed. Butler
T8N, R13W, G & SRM
Sec. 20: SW/4 SW/4
Yuma County, Arizona
Permit #457

Dear Mr. Oberly:

Mr. L. G. Truby's office furnished us a photocopy of your letter dated September 26, 1968, addressed to this office. We have not received the letter or any of the contents you enumerated as being transmitted. Would you please check into this matter. Should they not have been sent that date, please dispatch. If your records indicate that they are in route, I hope that you will trace their present whereabouts. We hope they have not become lost in route. Such a loss will not obviate the requirements of the Commission, and you will be expected to furnish duplicate materials should they be lost. Your recourse will be against the U. S. mail as mailer for such monetary expense loss as you might suffer in that case. Please advise this office the status of this matter at once.

Our letter to you dated August 6 was not answered.

Yours truly,

James A. Lambert
Administrative Assistant

JAL:jf

459

October 7, 1968

Mr. James A. Lambert
Administrative Assistant
Oil and Gas Conservation Commission
State of Arizona
Room 202, 1624 West Adams
Phoenix, Arizona

Per our conversation this date.

L. G. Truby

L. G. Truby

RECEIVED
OCT 8 1968
STATE O & G
CONS. COMM.

El Paso Natural Gas Company

El Paso, Texas 79999

September 26, 1968

ADDRESS REPLY TO
POST OFFICE BOX 990
FARMINGTON, NEW MEXICO 87401

Mr. John Bannister, Executive Secretary
Oil & Gas Conservation Commission
1624 West Adams
Phoenix, Arizona - 85000

Dear Sir:

The logs, core analysis, and DST report that you requested on permits No. 459 & No. 462 have been released by El Paso Natural Gas Company on this date. You should receive this information shortly.

Yours very truly,

E. S. Oberly,
Regional Petroleum Engineer

ESO:dgb
cc: W. G. Cutler

RECEIVED
OCT 8 1968
STATE O & G
CONS. COMM.

459

COPY

September 26, 1968

Mr. L. G. Truby
El Paso Natural Gas Company
Box 1492
El Paso, Texas 79999

Re: E. P. #1B Fed. La Posa Strat
T7N, R19W, G & SRM
Sec. 10: SE/4 SE/4
Yuma County, Arizona
Permit #462

E. P. Natl Gas #1-A Fed. La Posa Strat
T7N, R19W, G & SRM
Sec. 24: NE/4 NW/4
Yuma County, Arizona
Permit #459

E. P. Natl Gas #1 Fed. Butler
T8N, R13W, G & SRM
Sec. 20: SW/4 SW/4
Yuma County, Arizona
Permit #457

Dear Mr. Truby:

The Bureau of Mines in Tucson advises me that as of this date, they have not received samples from the captioned wells. Please deliver those to the Museum at once.

Regulations require that this office be furnished core analysis, logs, and drill stem tests pertaining to each of the wells. We have received only the logs pertinent to permit #457. I call attention to the fact that we notified you on September 10th that we had requested this material be furnished in previous communications. Please give this matter your immediate attention.

Yours truly,

James A. Lambert
Administrative Assistant

JAL:jf

Truby said Oberly sent letter dated 9-26. He will send us a copy of that letter.

September 10, 1968

Mr. L. G. Truby
El Paso Natural Gas Company
Box 1492
El Paso, Texas 79999

Re: El Paso #1B Federal La Posa Strat
T7N, R19W, G & SRM
Sec. 10: SE/4 SE/4
Yuma County, Arizona
Permit #462

El Paso Natl Gas #1 Federal Butler
T8N, R13W, G & SRM
Sec. 20: SW/4 SW/4
Yuma County, Arizona
Permit #457

El Paso Natl Gas #1-A Federal La Posa Strat
T7N, R19W, G & SRM
Sec. 24: NE/4 NW/4
Yuma County, Arizona
Permit #459

Dear Mr. Truby:

Enclosed are copies of correspondence addressed to the Farmington office. We have not received a reply to either of these letters. Please route these letters to the proper person responsible for furnishing the requested information.

Additionally, we enclose compendiums that you might wish to place with a responsible party.

Yours truly,

James A. Lambert
Administrative Assistant

JAL:jf
Enc.

August 6, 1968

Mr. E. S. Oberly
El Paso Natural Gas Company
P. O. Box 990
Farmington, New Mexico 87401

Attention: Mr. Le Roy Metcalf, Production Clerk

Re: Permit #459 & 462
Yuma County, Arizona

Gentlemen:

Please advise when we may expect to receive Logs, Core Analysis and DST Report. Please advise the date that you furnished samples to the Bureau of Mines in Tucson.

Yours truly,

James A. Lambert
Administrative Assistant

JL:jf

July 2, 1968

El Paso Natural Gas Company
P.O. Box 990
Farmington, New Mexico 87401

Gentlemen:

You have recently conducted strat tests in Yuma County, Arizona. In connection with these tests the below listed data should be filed with this Commission as soon as possible:

El Paso Natural Gas #1 Federal Butler Valley
SW SW 20-8N-13W - Permit 457

Core analysis.
Samples (reported to be enroute)

El Paso Natural Gas #1A Federal La Posa
NE NW 24-7N-19W - Permit 459

Logs
Core Analysis
DST report
Samples (reported to be enroute)

El Paso Natural Gas #1B Federal La Posa
SE SE 10-7N-19W - Permit 462

Logs
Core Analysis
Samples (reported to be enroute)

Your earliest cooperation is appreciated.

Very truly yours,

John Bannister
Executive Secretary
mr

OFFICE OF
Oil and Gas Conservation Commission
STATE OF ARIZONA
ROOM 202
1624 WEST ADAMS
Phoenix, Arizona 85007
PHONE: 271-5161

April 30, 1968

El Paso Natural Gas Company
P.O. Box 990
Farmington, New Mexico 87401

Gentlemen:

According to our records, the data indicated below has not been submitted as called for by our rules and regulations. You are urged to submit this data at once to bring this operation into compliance with the rules and regulations.'

Well	Data
El Paso Nat'l Gas #1 Fed Butler SW SW 20-8N-13W, Yuma County Permit 457	Application to plug; plugging record, Completion Report; Logs; Samples; Core Analysis
El Paso Nat'l Gas #1 Fed La Posa NE NW 24-7N-19W, Yuma County Permit 459	Spud date; drilling progress

Very truly yours,

John Bannister
Executive Secretary
mr