[redacted]

El Paso Natl Gas Butler Strat 1 Fed
SW SW 20-8N-13W Luna County 457

COUNTY ~~Yuma~~ La Paz (1983) AREA 10 mi NW Wenden LEASE NO. Federal AR 146

WELL NAME El Paso Natural Gas [redacted] Butler Strat Fed

LOCATION SW SW SEC 20 TWP 8N RANGE 13W FOOTAGE 660' FWL & 660' FSL

ELEV 1727' GR Est KB SPUD DATE 4-8-68 STATUS P&A COMP. DATE 4-21-68 TOTAL DEPTH 1359'

CONTRACTOR Barnes Drilling Company

CASING SIZE	DEPTH	CEMENT	LINER SIZE & DEPTH

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

FORMATION TOPS	DEPTHS	SOURCE L.L.	SOURCE E.L.	REMARKS
Tertiary Lakebeds	540'	x		
Basement Complex	1212'			

ELECTRIC LOGS	PERFORATED INTERVALS	PROD. INTERVALS
none	NA	NA
Ind, GRN, Acoustilog		

SAMPLE LOG Am Strat
SAMPLE DESCRP.
SAMPLE NO. Tucson 2521
CORE ANALYSIS
DSTs

REMARKS

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

WATER WELL ACCEPTED BY

BOND CO. Federal Insurance Company filed in P/N 542 BOND NO. 8019 79 57

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

FILING RECEIPT 9541 LOC. PLAT x WELL BOOK x PLAT BOOK x

API NO. 02-[redacted]-20001 (-012-) DATE ISSUED 4-8-68 DEDICATION None

PERMIT NUMBER 457

(over)

DRILL STEM TEST

NO.	FROM	TO	RESULTS

CORE RECORD

NO.	FROM	TO	RECOVERY	REMARKS
1	1262	1266		
2	1347	1355	8'	
3	1355	1358	3'	

REMEDIAL HISTORY

DATE STARTED	COMPLETED	WORK PERFORMED	NEW PERFORATIONS

ADDITIONAL INFORMATION

13

WELL COMPLETION OR RECOMPLETION REPORT AND WELL LOG

DESIGNATE TYPE OF COMPLETION:

New Well [X] Work-Over [ ] Deepen [ ] Plug Back [ ] 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
Federal, State or Indian Lease Number or name of lessor if fee lease: Butler Strat USA Arizona 146	Well Number:	Field & Reservoir: None - Stratigraph
Location: 660'S, 660'W	County: Yuma
Sec. TWP-Range or Block & Survey: Sec. 20, T-8-N, R-13-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
4-8-68	4-20-68	4-21-68 P & A	1727' GL	

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.
1358'	Surface	P & A	

Producing interval (s) for this completion	Rotary tools used (interval)	Cable tools used (interval)
None	0 - 1358	

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:

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
None						

TUBING RECORD

Size	Depth set	Packer set at
None in.	ft.	ft.

LINER RECORD

Size	Top	Bottom	Sacks cement	Screen (ft.)
in.	ft.	ft.		

PERFORATION RECORD

Number per ft.	Size & type	Depth Interval
None		

ACID, SHOT, FRACTURE, CEMENT SQUEEZE RECORD

Am't. & kind of material used	Depth Interval

INITIAL PRODUCTION

Date of first production: P & A

Producing method (indicate if flowing, gas lift or pumping—if pumping, show size & type of pump:)

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 Regional Production Manager 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 21, 1968
Date

Signature W. F. Butler

RECEIVED MAY 23 1968 STATE OIL & GAS CONS. COMM.

Permit No. 457

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

(Complete Reverse Side)

2

DETAIL OF FORMATIONS PENETRATED

Formation	Top	Bottom	Description*
Tertiary Lakebeds	540'		
Basement Complex	1212'		

* 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
Federal, State, or Indian Lease Number, or lessor's name if fee lease: USA Arizona 146	Well No.: 1
Field & Reservoir: None - Stratigraph	
Location of Well: 660'S, 660'W	Sec-Twp-Rge or Block & Survey: Sec. 20, T-8-N, R-13-W
County: Yuma	
Application to drill this well was filed in name of: Butler Strat	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: 4-21-68	Total depth: 1358'
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 well-bore 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
None					

Was well filled with mud-laden fluid, according to regulations?

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.

Filled open hole with mud. Spotted 25' cement plug at surface w/4' x 4" P & A marker.

Use reverse side for additional detail.

CERTIFICATE: I, the undersigned, under the penalty of perjury, state that I am the Regional Production Manager 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 21, 1968
Date

Signature

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

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

Permit No. 457

Form No. 10

10

APPLICATION TO ABANDON AND PLUG

FIELD None

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 146 Butler Strat WELL NO. 1

SURVEY FD. G. & S. O. B. C. SECTION 20 COUNTY Yuma

LOCATION 660'W, 660'S, T-8-N, R-13-W

TYPE OF WELL Stratigraph Test (Oil, Gas or Dry Hole) TOTAL DEPTH 1358'

ALLOWABLE (If Assigned)

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

GAS -- (MCF) DATE OF TEST --

PRODUCING HORIZON -- PRODUCING FROM -- TO --

1. COMPLETE CASING RECORD None

2. FULL DETAILS OF PROPOSED PLAN OF WORK Fill hole w/heavy mud and spot a 25' cement plug at surface w/4' x 4" P & A marker.

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 4-20-68 (verbal approval)

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

CORRESPONDENCE SHOULD BE SENT TO Le Roy Metcalf
Name

Supervisor Petroleum Engineering Records
Title

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

May 14, 1968
Date

RECEIVED MAY 16 1968 STATE OIL & GAS CONS. COMM.

Date Approved

STATE OF ARIZONA
OIL & GAS CONSERVATION COMMISSION

By: John Bannister

Permit No. 457

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

Form No. 9

12

N. M. O. C. C.

Arizona

Form 9-330
(Rev. 5-63)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE*
(See other instructions 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 Test

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

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'S, 660'W
At top prod. interval reported below
At total depth

5. LEASE DESIGNATION AND SERIAL NO.: USA Arizona 146

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT AGREEMENT NAME:

8. FARM OR LEASE NAME: Butler Strat

9. WELL NO.: 1

10. FIELD AND POOL, OR WILDCAT: None

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA: Sec. 20, T-8-N, R-13-W

12. COUNTY OR PARISH: Yuma

13. STATE: Arizona

14. PERMIT NO.: 457 DATE ISSUED: 4-8-68

15. DATE SPUDDED: 4-8-68
16. DATE T.D. REACHED: 4-20-68
17. DATE COMPL. (Ready to prod.): P & A 4-21-68
18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*: 1727' GL (Est)
19. ELEV. CASINGHEAD:

20. TOTAL DEPTH, MD & TVD: 1358'
21. PLUG, BACK T.D., MD & TVD: Surface
22. IF MULTIPLE COMPL., HOW MANY*:
23. INTERVALS DRILLED BY: →
ROTARY TOOLS: 0-1358
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: IES, GR-N, Sonic

27. WAS WELL CORED: No

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

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
NONE					

29. LINER RECORD

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

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
NONE		

31. PERFORATION RECORD (Interval, size and number)
NONE

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED

33.* PRODUCTION

DATE FIRST PRODUCTION:
PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump):
WELL STATUS (Producing or shut-in): Plugged & Abandoned

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 By) W. G. Cutler TITLE Petroleum Engineer DATE May 29, 1968

RECEIVED JUN 4 1968 U.S. GEOLOGICAL SURVEY ARTESIA, NEW MEXICO

RECEIVED STATE O & G CONS. COMM. 1968

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

9 457

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

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

Form 9-331
(May 1963)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE*
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.: USA Arizona 146

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT AGREEMENT NAME:

8. FARM OR LEASE NAME: Butler Strat

9. WELL NO.: 1

10. FIELD AND POOL, OR WILDCAT: None - Stratigraph

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: Sec. 20, T-8-N, R-13-W

12. COUNTY OR PARISH: Yuma

13. STATE: Arizona

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
660'S, 660'W

14. PERMIT NO.: 457

15. ELEVATIONS (Show whether DF, RT, GR, etc.): 1727' GL (Est.)

16. 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	☐	REPAIRING WELL	☐
FRACTURE TREAT	☐	MULTIPLE COMPLETE	☐	FRACTURE TREATMENT	☐	ALTERING CASING	☐
SHOOT OR ACIDIZE	☐	ABANDON*	X	SHOOTING OR ACIDIZING	☐	ABANDONMENT*	☐
REPAIR WELL	☐	CHANGE PLANS	☐	(Other)			
(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 and abandon this well in the following manner:
Spot 100' cement plug from 600' to 500'
Fill the hole from total depth (1358') w/heavy mud. Spot a 25' cement plug at surface w/4' x 4" P & A marker.

RECEIVED
MAY 16 1968
U. S. GEOLOGICAL SURVEY
ARTESIA, NEW MEXICO

RECEIVED
STATE O & G
CONS. COMM.

18. I hereby certify that the foregoing is true and correct
SIGNED Original Signed By W. G. Cuiler TITLE Petroleum Engineer DATE 5-15-68

(This space for Federal or State office use)
APPROVED BY TITLE DATE
CONDITIONS OF APPROVAL, IF ANY: Subject to addition of cement

APPROVED
MAY 17 1968
R. L. DUNCAN
ACTING DISTRICT ENGINEER

457

*See Instructions on Reverse Side

WELL SITE CHECK

By [signature]
Date 5-13-68

Contractor _____ Person(s) Contacted _____

Spud date _____

Type Rig _____ Rotary ___ Cable X

Present Operations _____

Samples _____

Pipe _____ Drilling with Air ___ Mud X

Water Zones _____ Size Hole _____

Lost Circ. Zones _____ Size Drill Pipe _____

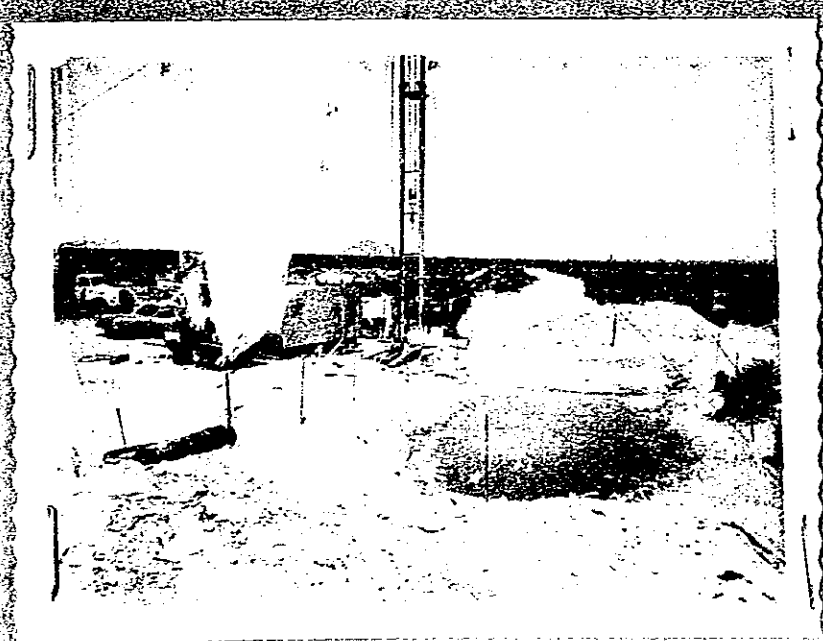
Formation Tops _____ Type Bit _____

Cores, Logs, DST _____ No. Bit ___ Drilling Rate _____

Formation _____

Crews _____ Lithology _____

REMARKS, PHOTO, MAP



WELL NAME 13 EL PASO NAT'L GAS CO BUTLER VALLEY

Permit No. 457
Confidential: Yes No

ARIZONA TESTING LABORATORIES

A DIVISION OF CLAUDE E. McLEAN & SON LABORATORIES, INC.
PHONE 254-6181 817 WEST MADISON ST. P. O. BOX 1888 PHOENIX 85001

Chemists . . . Engineers . . . Geologists

For El Paso Natural Gas Company
Mining Division
Attn: Mr. J. R. Reynolds
Post Office Box 1492
El Paso, Texas

Date April 23, 1968

Sample of Ore

Received: 4-12-68

Submitted by: Mr. S. D. Gardner

ASSAY CERTIFICATE

Gold figured at $ 35.00 per ounce

Silver figured at $ 2.00 per ounce

LAB. NO.	IDENTIFICATION	GOLD		SILVER		PERCENTAGES	
		OZ. PER TON	VALUE	OZ. PER TON	VALUE	LEAD	ZINC
	Strat 1						
2116	1210-1215'	nil		nil		0.01	0.04
	1215-1220'					trace	0.01
	1220-1227'	nil		nil		0.01	0.01
	1227-1232'					trace	0.01
	1232-1237'	nil		nil		trace	0.01
	1237-1242'					0.01	0.01
	1242-1247'	nil		nil		0.01	0.01
	1247-1252'					trace	0.01
	1252-1257'	nil		nil		1.70	1.20
	1257-1262'					0.02	0.03

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

cc: Mr. S. D. Gardner
El Paso Natural Gas Co.
Box JJ
Casa Grande, Arizona

Respectfully submitted,
ARIZONA TESTING LABORATORIES
Claude E. McLean, Jr.
Claude E. McLean, Jr.

5

457

ARIZONA TESTING LABORATORIES
A DIVISION OF CLAUDE E. McLEAN & SON LABORATORIES, INC.
PHONE 254-6181 817 WEST MADISON ST. P. O. BOX 1888 PHOENIX 85001

Chemists . . . Engineers

For: El Paso Natural Gas Company
Mining Division
Post Office Box 1492
El Paso, Texas
Attn: Mr. J. R. Reynolds

Date: April 17, 1968

Lab. No.: 2092

Sample: Ore

Marked: 1252' - 1257'

Received: 4-16-68

Submitted by: Mr. S. D. Gardner

Report of Laboratory Tests

REPORT OF QUALITATIVE SPECTROGRAPHIC ANALYSIS

Element	Approximate Percent
Silicon	Major Constituent
Aluminum	3.0
Manganese	0.02
Magnesium	1.0
Lead	4.0
Gallium	0.003
Iron	2.0
Calcium	0.6
Vanadium	0.006
Copper	0.009
Sodium	5.0
Zinc	3.0
Titanium	0.1
Potassium	1.0

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

cc: Mr. S. D. Gardner
Box JJ
Casa Grande, Arizona

Respectfully submitted,

ARIZONA TESTING LABORATORIES

Claude E. McLean, Jr.

Claude E. McLean, Jr.

HAWLEY & HAWLEY

ASSAYERS AND CHEMISTS, INC.

Registered Assayers

1700 WEST GRANT ROAD - TELEPHONE 622-4836 - POST OFFICE BOX 5934

TUCSON, ARIZONA 85703

THE SOUTHWEST'S LEADING ASSAYERS AND REPRESENTATIVES

Branch Representatives at Buyer's Plants:
Phelps Dodge Corp., Douglas, Arizona; ASARCO, El Paso, Amarillo, Texas and Hayden, Arizona

IDENTIFICATION	Gold ozs.	Silver ozs.	Lead %	Copper %	Zinc %	Mo. %			
EP-1 Series									
1347-1348	None	0.01	< 0.03		< 0.01				
1348-1349	None	0.01	< 0.03		< 0.01				
1350-1351	None	None	< 0.03		0.03				
1352-1353	None	0.01	< 0.03		0.02				
1354-1355	None	None	< 0.03		< 0.01				
1355-1356	None	None	< 0.03		0.02				
1356-1357	None	0.01	< 0.03		0.01				
1357-1358	None	None	< 0.03		< 0.01				
1358-1359	None	0.01	< 0.03		< 0.01				
1359-1360	None	None	< 0.03		< 0.01				

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

CC: El Paso Natural Gas Company
ADD: Attn: Mr. John Reynolds, Mining Division
CITY: P. O. Box 1492, El Paso, Texas 79999
ADD: cc: El Paso Natural Gas Company
CITY: Attn: Mr. J. J. Snider
~~Casa Grande, Arizona 85222~~
ACCT: EL PASO NATURAL GAS COMPANY

REMARKS:

Analysis Cert. By
Signed by/H. E. Richard

Preparation $
Analysis $ 142.50

Date Spl. Received 4-23-68
Date Compl. 4-24-68

ELP 338412 $ 142.50

DICKINSON LABORATORIES, INC.

ASSAYERS — CHEMISTS — METALLURGISTS
PHONES 772-6621 & 772-3088 — P. O. BOX 10057
201 N. CLARK EL PASO, TEXAS 79991

CERTIFICATE OF ASSAY

ASSAYED FOR: Lab No.

ADDRESS:

MARKED:

Gold Ozs. per ton	Silver Ozs. per ton	% Lead	% Copper	% Zinc	% Silica	% Calcium Fluoride	Effective Units	% Manganese	% Iron

CHARGES_____ _____ASSAYER

DICKINSON LABORATORIES, INC.

ASSAYERS — CHEMISTS — METALLURGISTS
PHONES 772-6621 & 772-3088 — P. O. BOX 10057
201 N. CLARK EL PASO, TEXAS 79991

Date [illegible]

CERTIFICATE OF ASSAY

ASSAYED FOR: El Paso Natural Gas Co.-Mining Division Lab No.

ADDRESS: El Paso, Texas.

MARKED: Samples obtained in Dr Hr. Reynolds-Tullow Valley Steam Al

Gold Ozs. per ton	Silver Ozs. per ton	% Lead	% Copper	% Zinc	% Silica	% Calcium Fluoride	Effective Units	% Manganese	% Iron
		0.32		0.24	1317-1321				
		0.26		0.33	1322-1327				
		0.37		0.37	1327-1332				
		0.22		0.34	1332-1337				
		0.15		0.33	1337-1342				
		0.27		0.24	1342-1347				
		0.24-		0.32	1347-1357				
		Copper Int[illegible]							

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

CHARGES 6 _____ ASSAYER

457

DICKINSON LABORATORIES, C.

ASSAYERS — CHEMISTS — METALLURGISTS

PHONES 772-6621 & 772-3088 — P. O. BOX 10057

201 N. CLARK . EL PASO, TEXAS 79991 Ap 20, 1968

CERTIFICATE OF ASSAY

ASSAYED FOR: El Paso Natural Gas Co.-Mining Division Lab No.

ADDRESS: El Paso, Texas.

MARKED: Samples brought in by Mr. Reynolds-Butler Valley-Strat #1

Gold Ozs. per ton	Silver Ozs. per ton	% Lead	% Copper	% Zinc	% Silica	% Calcium Fluoride	Effective Units	% Manganese	% Iron
		0.32		0.24	1292-1317				
		0.37		0.27	1267-1292				
		0.26		0.33	1272-1277				
		0.32		0.49	1277-1282				
		0.23		0.39	1282-1287				
		0.35		0.38	1287-1292				
		0.24		0.31	1292-1297				
		[illegible]		0.27	1297-1302				
		0.12		0.37	1307-1312				

CHARGES _____ ASSAYER

DICKINSON LABORATORIES, INC.

ASSAYERS — CHEMISTS — METALLURGISTS

PHONES 772-6621 & 772-3088 — P. O. BOX 10057

201 N. CLARK EL PASO, TEXAS 79991 May 20, 1968

Page #2

CERTIFICATE OF ASSAY

ASSAYED FOR: El Paso Natural Gas Co.-Mining Division Lab No.

ADDRESS: El Paso, Texas.

MARKED: Samples brought in by Mr. Reynolds-Butler Valley Strat #1

Gold Ozs. per ton	Silver Ozs. per ton	% Lead	% Copper	% Zinc	% Silica	% Calcium Fluoride	Effective Units	% Manganese	% Iron
		0.32		0.24	1317-1322				
		0.26		0.33	1322-1327				
		0.37		0.27	1327-1332				
		0.26		0.54	1332-1337				
		0.15		0.33	1337-1342				
		0.27		0.24	1342-1347				
		0.26-		0.22	1347-1357				
		Coring Interval samples-Core #2 & 3							

RECEIVED DEC 23 1968 STATE OIL & GAS CONS. COMM.

CHARGES _____ ASSAYER

457

Form 22-2 (Rev. 1-61)

457

EL PASO NATURAL GAS COMPANY

DRILLING DEPARTMENT

DAILY DRILLING REPORT

LEASE Bitter Start WELL NO. 1 CONTRACTOR J. O. Barnes Drlg. Co. RIG NO. 7 REPORT NO. 14 DATE 4-22 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

FROM	TO	FORMATION	WT-BIT	R.P.M.
1358				

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
6:00	8:00	Loading DP - Clean up loc.

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

Form 22-2 (Rev. 1-61)

457

EL PASO NATURAL GAS COMPANY

DRILLING DEPARTMENT

DAILY DRILLING REPORT

LEASE Bother State WELL NO. 1 CONTRACTOR J. O. Barnes Drlg. Co RIG NO. 9 REPORT NO. 13 DATE 4-20 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.
1255	1358	Core #3		
		Recover 3'		

BIT NO. 2
SERIAL NO.
SIZE 4 3/4
TYPE DIA
MAKE CRIS

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

MUD RECORD

Time	Wt.	Vis.
	9.5	37

MUD, ADDITIVES USED AND RECEIVED

3 sx Gel
10# Pellet
2 Gal Soap

FROM	TO	TIME BREAKDOWN
6:30	7:00	Rig Svc.
7:00	9:00	Run Core Bbl. in Hole.
9:00	9:30	Circ.
9:30	11:00	CORING
11:00	1:00	Trip out
1:00	4:00	Rig down - loading DP

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 Olcott

Form 22-2 (Rev. 1-61)

#57

EL PASO NATURAL GAS COMPANY

DRILLING DEPARTMENT

DAILY DRILLING REPORT

LEASE Butler State WELL NO. 1 CONTRACTOR J.O. Barnes Drlg. Co. RIG NO. 9 REPORT NO. 12 DATE 4-19 19 62

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.
1355				

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.	
	9.5	38	

FROM	TO	TIME BREAKDOWN
6:00	6:30	Rig Svc.
6:30	8:30	Trip in Hole
8:30	9:00	Ream to Bottom.
9:00	9:30	Condition Hole.
9:30	11:00	Trip out.
11:00	5:00	Log Hole

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. Oberly

Form 22-2 (Rev. 1-61)

457

EL PASO NATURAL GAS COMPANY

DRILLING DEPARTMENT

DAILY DRILLING REPORT

LEASE Butler Strat WELL NO. 1 CONTRACTOR T. O. Barnes Drlg. Co RIG NO. 9 REPORT NO. 11 DATE 4-18 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			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.
1347	1355	Corr 2. Recovered 8		

BIT NO. 2
SERIAL NO.
SIZE 4¾
TYPE Dia
MAKE Cris

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.	
	9.5	38	1 sx CC-16

FROM	TO	TIME BREAKDOWN
6:30	7:00	Rig Svc.
7:00	7:45	Pick up Core Bbl. - Trip in Hole
7:45	10:45	Circ.
10:45	12:00	Coring
12:00	12:30	Circ.
12:30	4:00	Trip out - Lay down Core Bbl.

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 Olverby

Form 22-2 (Rev. 1-61)

#57

EL PASO NATURAL GAS COMPANY

DRILLING DEPARTMENT

DAILY DRILLING REPORT

LEASE Rather State WELL NO. 1 CONTRACTOR J. O. Barnes Drlg Co RIG NO. 9 REPORT NO. 10 DATE 4-17 1962

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 ~

FROM	TO	FORMATION	WT-BIT	R.P.M.
1276				

NO. DC ____ SIZE ____ LENG. ____

NO. DC ____ SIZE ____ LENG. ____

BIT NO. 6

SERIAL NO. 66025

SIZE 4 3/4

TYPE K-1

MAKE Williams

STANDS _____

SINGLES _____

DOWN ON KELLY _____

TOTAL DEPTH _____

MUD RECORD

Time	Wt.	Vis.
	9.5	37

MUD, ADDITIVES USED AND RECEIVED

1 sx CC-16

1 sx Dixtar

FROM	TO	TIME BREAKDOWN
6:30	7:00	Rig Svc.
7:00	8:45	Trip in Hole.
8:45	9:00	Circ.
9:00	4:15	Drlg.
4:15	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. ____

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. Oliver

Form 22-2 (Rev. 1-61)

#457

EL PASO NATURAL GAS COMPANY

DRILLING DEPARTMENT

DAILY DRILLING REPORT

LEASE Butler Strat WELL NO. #1 CONTRACTOR J. O. Barnes Drlg. Co. RIG NO. 9 REPORT NO. 9 DATE 4-16 19 62

MORNING

Driller Total Men In Crew

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

NO. DC ____ SIZE ____ LENG. ____

BIT NO.

NO. DC ____ SIZE ____ LENG. ____

SERIAL NO. STANDS

SIZE SINGLES

TYPE DOWN ON KELLY

MAKE TOTAL DEPTH

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

FROM	TO	TIME BREAKDOWN

REMARKS –

DAYLIGHT

Driller Total Men In Crew

FROM	TO	FORMATION	WT-BIT	R.P.M.
1262	1266	Core #1		
1266	1276	Bit #6		

NO. DC ____ SIZE ____ LENG. ____

NO. DC ____ SIZE ____ LENG. ____

BIT NO.	1	6
SERIAL NO.	H702	6605
SIZE	4¾	7⅞
TYPE	Dia	K-1
MAKE	Cris.	William

STANDS

SINGLES

DOWN ON KELLY

TOTAL DEPTH

MUD RECORD			MUD, ADDITIVES USED AND RECEIVED
Time	Wt.	Vis.	
	9.4	36	

FROM	TO	TIME BREAKDOWN
6:30	7:00	R.g. Svc.
7:00	9:45	Picked up Core Bbl. - Trip in Hole
9:45	10:45	Core:
10:45	11:00	Coring
11:00	2:00	Pull out - hay Core down.
2:00	4:00	Trip in Hole.

REMARKS –

4:00 - 5:30 Drlg.

5:30 - 7:30 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. STANDS

SERIAL NO.

SIZE SINGLES

TYPE DOWN ON KELLY

MAKE 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 Oakley

Form 22-2 (Rev. 1-61)

457

EL PASO NATURAL GAS COMPANY

DRILLING DEPARTMENT

DAILY DRILLING REPORT

LEASE Butler Strat WELL NO. #1 CONTRACTOR J. O. Barnes Drlg Co. RIG NO. 9 REPORT NO. 8 DATE 4-15 1968

MORNING					DAYLIGHT					EVENING				
Driller		Total Men In Crew			Driller		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.
					1222	1262								

BIT NO.	NO. DC ___ SIZE ___ LENG. ___	BIT NO. 5	NO. DC ___ SIZE ___ LENG. ___	BIT NO.	NO. DC ___ SIZE ___ LENG. ___
SERIAL NO.	NO. DC ___ SIZE ___ LENG. ___	SERIAL NO. 4842	NO. DC ___ SIZE ___ LENG. ___	SERIAL NO.	NO. DC ___ SIZE ___ LENG. ___
SIZE	STANDS	SIZE 4¾	STANDS	SIZE	STANDS
TYPE	SINGLES	TYPE K-2	SINGLES	TYPE	SINGLES
MAKE	DOWN ON KELLY	MAKE Williams	DOWN ON KELLY	MAKE	DOWN ON KELLY
	TOTAL DEPTH		TOTAL DEPTH		TOTAL DEPTH

MUD RECORD Time	Wt.	Vis.	MUD, ADDITIVES USED AND RECEIVED	MUD RECORD Time	Wt.	Vis.	MUD, ADDITIVES USED AND RECEIVED	MUD RECORD Time	Wt.	Vis.	MUD, ADDITIVES USED AND RECEIVED
					9.4	38	3 sx Gel				
							10# Cellex				

FROM	TO	TIME BREAKDOWN	FROM	TO	TIME BREAKDOWN	FROM	TO	TIME BREAKDOWN
			6:30	7:00	Rig Ser.			
			7:00	8:45	Trip in Hole.			
			8:45	9:00	Circ.			
			9:00	11:30	Drlg.			
			11:30	12:30	Circ. Samples			
			12:30	2:00	Drlg.			

REMARKS –

REMARKS –

2:00 - 3:00 Circ.

3:00 - 5:00 Trip out,

REMARKS –

SIGNED: Toolpusher Elmer Martin Company Supervisor E S Oberly

Form 22-2 (Rev. 1-61)

457

EL PASO NATURAL GAS COMPANY

DRILLING DEPARTMENT

DAILY DRILLING REPORT

LEASE Rutherford Strat WELL NO. #1 CONTRACTOR J.O. Barnes Drlg. Co. RIG NO. 9 REPORT NO. 7 DATE 4-14 1965

MORNING

Driller Total Men In Crew

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

NO. DC ____ SIZE ____ LENG. ____

BIT NO.

NO. DC ____ SIZE ____ LENG. ____

SERIAL NO. STANDS

SIZE SINGLES

TYPE DOWN ON KELLY

MAKE TOTAL DEPTH

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

FROM	TO	TIME BREAKDOWN

REMARKS –

DAYLIGHT

Driller Total Men In Crew 2

FROM	TO	FORMATION	WT-BIT	R.P.M.
1113	1222			

NO. DC ____ SIZE ____ LENG. ____

BIT NO. 4

NO. DC ____ SIZE ____ LENG. ____

SERIAL NO. 4845 STANDS

SIZE 4 3/4 SINGLES

TYPE K-2 DOWN ON KELLY

MAKE Williams TOTAL DEPTH

MUD RECORD			MUD, ADDITIVES USED AND RECEIVED
Time	Wt.	Vis.	
	9.4		2 Gals Soap

FROM	TO	TIME BREAKDOWN
6:30	7:00	Rig S.R.
7:00	2:00	Trip in Hole
2:00	2:15	Circ.
2:15	4:15	Drlg.
4:15	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. ____

BIT NO.

NO. DC ____ SIZE ____ LENG. ____

SERIAL NO. STANDS

SIZE SINGLES

TYPE DOWN ON KELLY

MAKE 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)

457

EL PASO NATURAL GAS COMPANY

DRILLING DEPARTMENT

DAILY DRILLING REPORT

LEASE Buthes Strat WELL NO. #1 CONTRACTOR J. O. Barnes Drlg. Co. RIG NO. 9 REPORT NO. 6 DATE 4-13 1968

MORNING					DAYLIGHT					EVENING				
Driller		Total Men In Crew			Driller		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.
					998	1113								

	NO. DC ___ SIZE ___ LENG. ___		NO. DC ___ SIZE ___ LENG. ___		NO. DC ___ SIZE ___ LENG. ___
BIT NO.	NO. DC ___ SIZE ___ LENG. ___	BIT NO. 3	NO. DC ___ SIZE ___ LENG. ___	BIT NO.	NO. DC ___ SIZE ___ LENG. ___
SERIAL NO.	STANDS	SERIAL NO. 4243	STANDS	SERIAL NO.	STANDS
SIZE	SINGLES	SIZE 4 3/4	SINGLES	SIZE	SINGLES
TYPE	DOWN ON KELLY	TYPE K-2	DOWN ON KELLY	TYPE	DOWN ON KELLY
MAKE	TOTAL DEPTH	MAKE Williams	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.	
					9.4	38	2 Gals Soap				
							3 sx Gel				
							10# Cellete				

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

REMARKS –

REMARKS –

REMARKS –

SIGNED: Toolpusher Elmer Martin Company Supervisor E S Oberly

Form 22-2 (Rev. 1-61)

457

EL PASO NATURAL GAS COMPANY

DRILLING DEPARTMENT

DAILY DRILLING REPORT

LEASE Butler STRAT. WELL NO. 1 CONTRACTOR J. C. Barnes Drlg. Co. RIG NO. 9 REPORT NO. 5 DATE 4-12 1962

MORNING

Driller _____ Total Men In Crew _____

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

BIT NO. _____ NO. DC ____ SIZE ____ LENG. ____

SERIAL NO. _____ NO. DC ____ SIZE ____ LENG. ____

SIZE _____ STANDS _____

TYPE _____ SINGLES _____

MAKE _____ 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.
704	998			

BIT NO. 3 NO. DC ____ SIZE ____ LENG. ____

SERIAL NO. 4243 NO. DC ____ SIZE ____ LENG. ____

SIZE 4 3/4 STANDS _____

TYPE K-2 SINGLES _____

MAKE William DOWN ON KELLY _____

TOTAL DEPTH _____

MUD RECORD			MUD, ADDITIVES USED AND RECEIVED
Time	Wt.	Vis.	
	9.4	36	15# CC-16
			15# Tanex

FROM	TO	TIME BREAKDOWN
6:30	7:55	Rig Svc. Trip in Hole.
7:55	3:30	Drlg.
3:30	3:45	Circ.
3:45	5:00	Trip out

REMARKS –

EVENING

Driller _____ Total Men In Crew _____

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

BIT NO. _____ NO. DC ____ SIZE ____ LENG. ____

SERIAL NO. _____ NO. DC ____ SIZE ____ LENG. ____

SIZE _____ STANDS _____

TYPE _____ SINGLES _____

MAKE _____ 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)

457

EL PASO NATURAL GAS COMPANY

DRILLING DEPARTMENT

DAILY DRILLING REPORT

LEASE Butler Strat WELL NO. 1 CONTRACTOR J. O. Barnes Drlg. & RIG NO. 9 REPORT NO. 4 DATE 4-11 1967

MORNING

Driller Total Men In Crew

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

NO. DC ____ SIZE ____ LENG. ____

BIT NO.

NO. DC ____ SIZE ____ LENG. ____

SERIAL NO. STANDS

SIZE SINGLES

TYPE DOWN ON KELLY

MAKE 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.
624	704			

NO. DC ____ SIZE ____ LENG. ____

BIT NO. 2

NO. DC ____ SIZE ____ LENG. ____

SERIAL NO. 4846 STANDS

SIZE 4 3/4 SINGLES

TYPE K2 DOWN ON KELLY

MAKE William TOTAL DEPTH

MUD RECORD

Time	Wt.	Vis.
	9.4	38

MUD, ADDITIVES USED AND RECEIVED

35# Gel
50# CC-16
10# Celtex

FROM	TO	TIME BREAKDOWN
7:00	8:00	Rig Svc. – Trip in Hole
8:00	9:30	Drlg.
9:30	4:00	Repairs to Kelly Bushing
4:00	5:18	Drlg.
5:18	5:30	Circ.
5:30	6:30	Trip out.

REMARKS –

EVENING

Driller Total Men In Crew

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

NO. DC ____ SIZE ____ LENG. ____

BIT NO.

NO. DC ____ SIZE ____ LENG. ____

SERIAL NO. STANDS

SIZE SINGLES

TYPE DOWN ON KELLY

MAKE 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. Olney

Form 22-2 (Rev. 1-61)

457

EL PASO NATURAL GAS COMPANY

DRILLING DEPARTMENT

DAILY DRILLING REPORT

LEASE Butler State WELL NO. 1 CONTRACTOR J.O. Barnes Drilling RIG NO. 9 REPORT NO. 3 DATE 4-10 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.
					402	624								

	NO. DC ___ SIZE ___ LENG. ___		NO. DC ___ SIZE ___ LENG. ___		NO. DC ___ SIZE ___ LENG. ___
BIT NO.	NO. DC ___ SIZE ___ LENG. ___	BIT NO. 2	NO. DC ___ SIZE ___ LENG. ___	BIT NO.	NO. DC ___ SIZE ___ LENG. ___
SERIAL NO.	STANDS	SERIAL NO. 4846	STANDS	SERIAL NO.	STANDS
SIZE	SINGLES	SIZE ~~[illegible]~~ 4 3/4	SINGLES	SIZE	SINGLES
TYPE	DOWN ON KELLY	TYPE K-2	DOWN ON KELLY	TYPE	DOWN ON KELLY
MAKE	TOTAL DEPTH	MAKE Williams	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.	
					8.8	42	150# Gel				
							10# Cellex				

FROM	TO	TIME BREAKDOWN	FROM	TO	TIME BREAKDOWN	FROM	TO	TIME BREAKDOWN
			7:00	9:00	Serviced Rig, Mixed mud, Trip in hole			
			9:00	4:30	Drlg.			
			4:30	4:45	Circ.			
			4:45	6:30	Trip out.			

REMARKS –	REMARKS –	REMARKS –

SIGNED: Toolpusher Elmer Martin Company Supervisor E S Doherty

Form 22-2 (Rev. 1-61)

457

EL PASO NATURAL GAS COMPANY

DRILLING DEPARTMENT

DAILY DRILLING REPORT

LEASE Butler Strat WELL NO. #1 CONTRACTOR J. O. Barnes Drilling Co RIG NO. 9 REPORT NO. 2 DATE 4-9 1968

MORNING

Driller Total Men In Crew

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

NO. DC ____ SIZE ____ LENG. ____

BIT NO.

NO. DC ____ SIZE ____ LENG. ____

SERIAL NO.

STANDS

SIZE

SINGLES

TYPE

DOWN ON KELLY

MAKE

TOTAL DEPTH

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

FROM	TO	TIME BREAKDOWN

REMARKS –

DAYLIGHT

Driller Total Men In Crew

FROM	TO	FORMATION	WT-BIT	R.P.M.
161	402	Gravel & Clays	—	68

NO. DC 1 SIZE 3 7/8 LENG. 20

BIT NO. 1

NO. DC 2 SIZE 3 1/2 LENG. 38

SERIAL NO. 4920

STANDS

SIZE 4 3/4

SINGLES

TYPE K-3

DOWN ON KELLY

MAKE Williams

TOTAL DEPTH 402

MUD RECORD			MUD, ADDITIVES USED AND RECEIVED
Time	Wt.	Vis.	
	8.7	38	None

FROM	TO	TIME BREAKDOWN
6:30		
7 AM	5 PM	Drilling
5 PM	6 PM	Trip out

REMARKS –

EVENING

Driller Total Men In Crew

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

NO. DC ____ SIZE ____ LENG. ____

BIT NO.

NO. DC ____ SIZE ____ LENG. ____

SERIAL NO.

STANDS

SIZE

SINGLES

TYPE

DOWN ON KELLY

MAKE

TOTAL DEPTH

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

FROM	TO	TIME BREAKDOWN

REMARKS –

SIGNED: Toolpusher Elmer Martin Company Supervisor [illegible]

Form 22-2 (Rev. 1-61)

#457

EL PASO NATURAL GAS COMPANY

DRILLING DEPARTMENT

DAILY DRILLING REPORT 1

LEASE Butler Strait WELL NO. #1 CONTRACTOR J. O. Barnes Drilling Co. RIG NO. 9 REPORT NO. 1 DATE 4-8 1968

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	161	Quat Alluv. Valley Fill	—	68					

	NO. DC ___ SIZE ___ LENG. ___		NO. DC 1 SIZE 3 3/8 LENG. 20		NO. DC ___ SIZE ___ LENG. ___
BIT NO.	NO. DC ___ SIZE ___ LENG. ___	BIT NO. 1	NO. DC 2 SIZE 3 1/2 LENG. 38	BIT NO.	NO. DC ___ SIZE ___ LENG. ___
SERIAL NO.	STANDS	SERIAL NO. 4920	STANDS	SERIAL NO.	STANDS
SIZE	SINGLES	SIZE 4 3/4"	SINGLES	SIZE	SINGLES
TYPE	DOWN ON KELLY	TYPE K-3	DOWN ON KELLY	TYPE	DOWN ON KELLY
MAKE	TOTAL DEPTH	MAKE Williams	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.	
					8.7	38	8 sx Gel. (50#)				
							20# Collex				
							10# C.C.16				

FROM	TO	TIME BREAKDOWN	FROM	TO	TIME BREAKDOWN	FROM	TO	TIME BREAKDOWN
			9:30	11:30	Rigging up & mixing mud.			
			11:30	6:00	Drilling from surface			

REMARKS – | REMARKS – | REMARKS –

RECEIVED MAY 1968 STATE O & G CONS. COMM.

SIGNED: Toolpusher Elmer Martin Company Supervisor E S Olmly

4-18-68

Ed Oberly, El Paso Natural Gas
Re: El Paso #1 Fed Butler Strat
Permit 457

Requests permission to leave hole full of drilling mud, with surface plug and marker.

Since they have been drilling with mud they do not know whether they encountered any water stratas. Water wells in the area have water in the valley fill strata. Mud has sucessfully sealed walls of this hole.

Verbal permission granted to leave hole filled with the drilling mud, place a 20-25 foot surface plug, and marker.

mr

14

Stanford Motel
Salome
859-3452

4-10-68

El Paso #1 Butler

457

Phone - Ed Oberly

Spud 4-8-68
Noon

Currently Dly 408'
in fill

ARIZONA [redacted] O. & G. COPY

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

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

5. LEASE DESIGNATION AND SERIAL NO.: USA Arizona 146

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT AGREEMENT NAME:

8. FARM OR LEASE NAME: Butler Strat

9. WELL NO.: 1

10. FIELD AND POOL, OR WILDCAT: None - Stratigraph

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: Sec. 20, T-8-N, R-13-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): 2555.92

16. NO. OF ACRES IN LEASE: 2555.92

17. NO. OF ACRES ASSIGNED TO THIS WELL: None

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

19. PROPOSED DEPTH: 1500'

20. ROTARY OR CABLE TOOLS: Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.): 1727' GL, est.

22. APPROX. DATE WORK WILL START*: 4-8-68

23. PROPOSED CASING AND CEMENTING PROGRAM

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

RECEIVED APR 11 1968 STATE O & G CONS. COMM.

RECEIVED APR 5 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 Original Signed By W. G. Cutler TITLE Petroleum Engineer DATE 4-3-68

(This space for Federal or State office use)

PERMIT NO. APPROVAL DATE

APPROVED BY TITLE DATE

CONDITIONS OF APPROVAL, IF ANY:

APPROVED APR 5 1968 R. L. BEERMAN ACTING DISTRICT ENGINEER

*See Instructions On Reverse Side

APPLICATION FOR PERMIT TO DRILL OR RE-ENTER

APPLICATION TO DRILL [X] RE-ENTER OLD WELL [ ]

El Paso Natural Gas Company
NAME OF COMPANY OR OPERATOR

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

Barnes Drilling Company
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 146	Well number: Butler Strat #1	Elevation (ground): 1727 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: 2555.92	Number of wells on lease, including this well, completed in or drilling to this reservoir: 1	
If lease, purchased with one or more wells drilled, from whom purchased: None — Name — Address		
Well location (give footage from section lines): 660' W, 660' S SW SW	Section—township—range or block and survey: 20, T-8-N, R-13-W	Dedication (Comply with Rule 105): None
Field and reservoir (if wildcat, so state): None - Stratigraph	County: Yuma	
Distance, in miles, and direction from nearest town or post office		
Proposed depth: 1500'	Rotary or cable tools: Rotary	Approx. date work will start: 4-8-68
Bond Status State wide Amount 25,000.00	Organization Report: On file X Or attached	Filing Fee of $25.00: Attached X

Remarks: Send Permit to W.G. Cutler

CERTIFICATE: I, the undersigned, under the penalty of perjury, state that I am the Agent 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.

Signature

4-1-68
Date

RECEIVED APR 11 1968 STATE O & G CONS. COMM.

Permit Number: 457
Approval Date: 4-8-68
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: 02-027-20001

Receipt 9547

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.

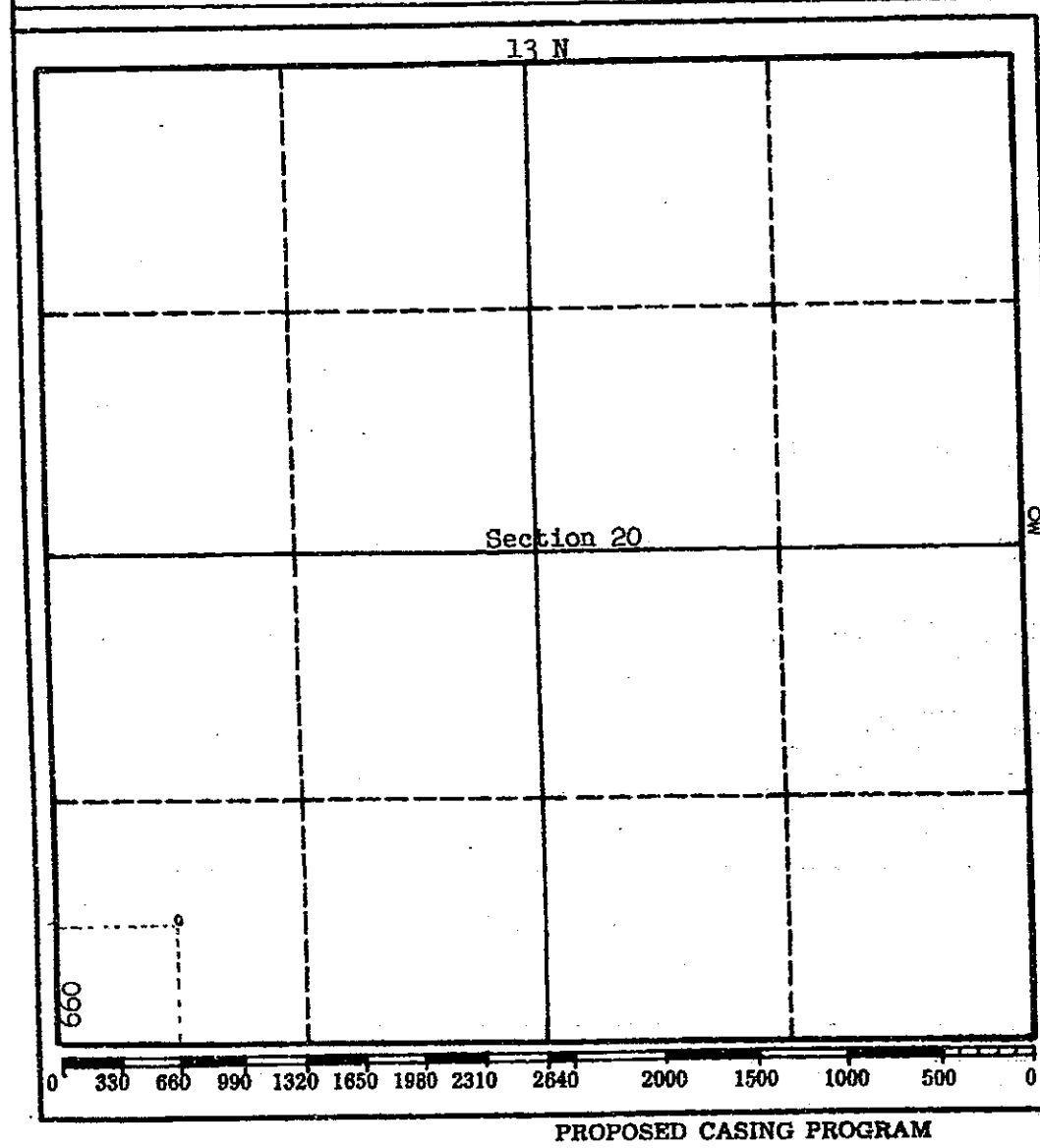
3. All distances shown on the plat must be from the outer boundaries of the Section.

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
El Paso Natural Gas Company	Federal Lease Arizona #146



CERTIFICATION

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

Name: E. S. Oberly

Position: Petroleum Engineer

Company: El Paso Natural Gas Company

Date: 3-29-68

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

Registered Professional Engineer and/or Land Surveyor

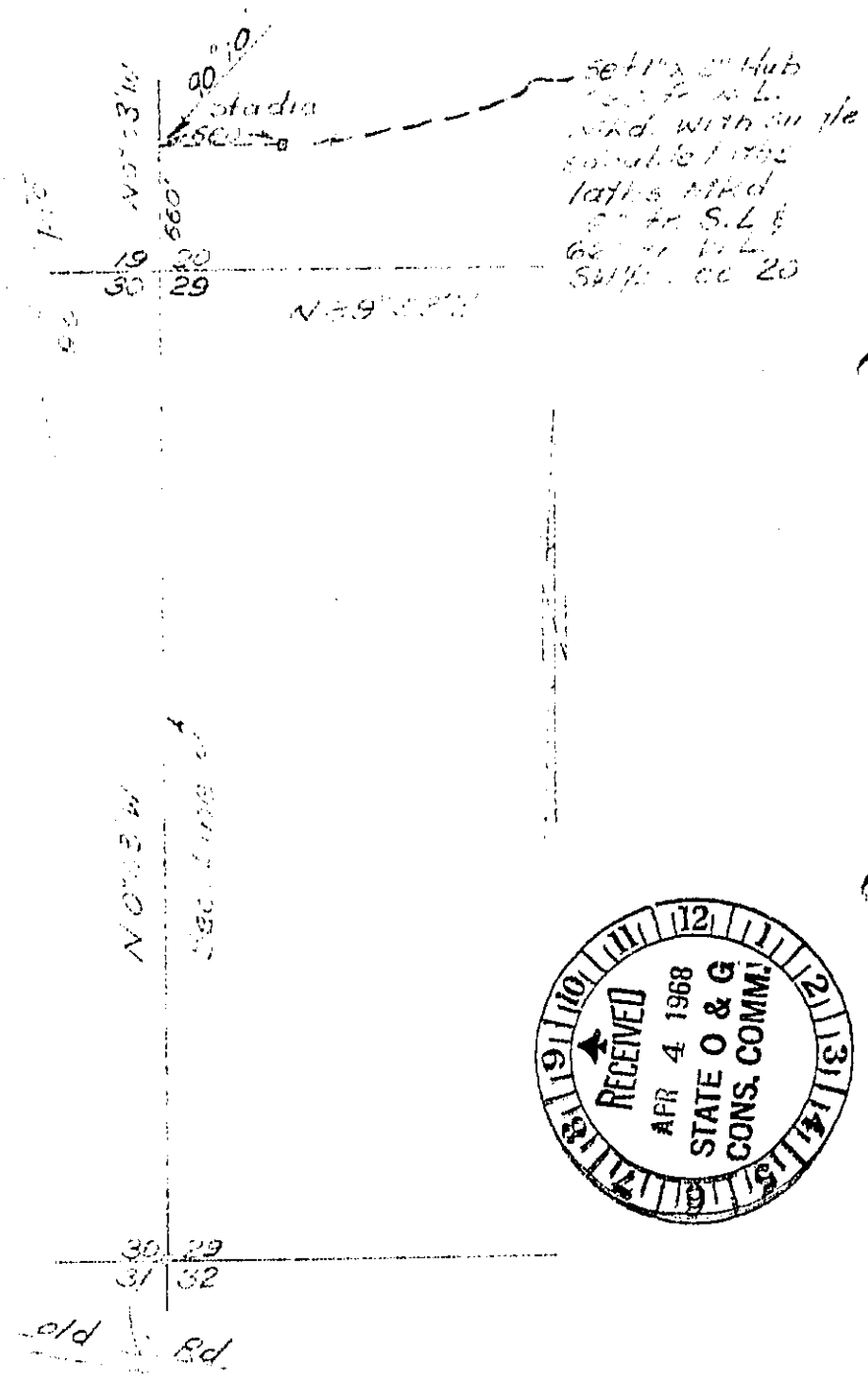
Certificate No.

PROPOSED CASING PROGRAM

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

POINT No. 2
IN
SW 1/4 SEC 20 T8N, R13W
Vicinity of Wenden, Ariz

SW 1/4



Set N & F & lath on Sec. Line Prod 660' by Stadia Mkd lath, Sec. Line 660' fr. S.L.

Fd. G.L.O.B.C. Cor. 19, 20, 29 & 30 T8N, R13W

Fd. G.L.O.B.C. Cor. 30, 29, 31 & 32, T8N, R13W

REGISTERED LAND SURVEYOR
CERTIFICATE EXPIRES
JOHN T. JORDAN
DEC. 31, 1968
ARIZONA, U.S.A.

RECEIVED
APR 4 1968
STATE O & G
CONS. COMM.

SHEET NO. OF
JOB NO.
SUBJECT Ruffer Block near Wenden, Ariz
DATE
DATE
BY
CHKD. BY

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 Natural GAs #1 Federal Butler Strat
(WELL NAME)

located 660' FWL and FSL (SW/4 SW/4)

Section 20 Township 8N Range 13W, Lafay (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 8 day of April April, 19 68.

OIL AND GAS CONSERVATION COMMISSION

By John Bannister
EXECUTIVE SECRETARY

PERMIT Nº 457

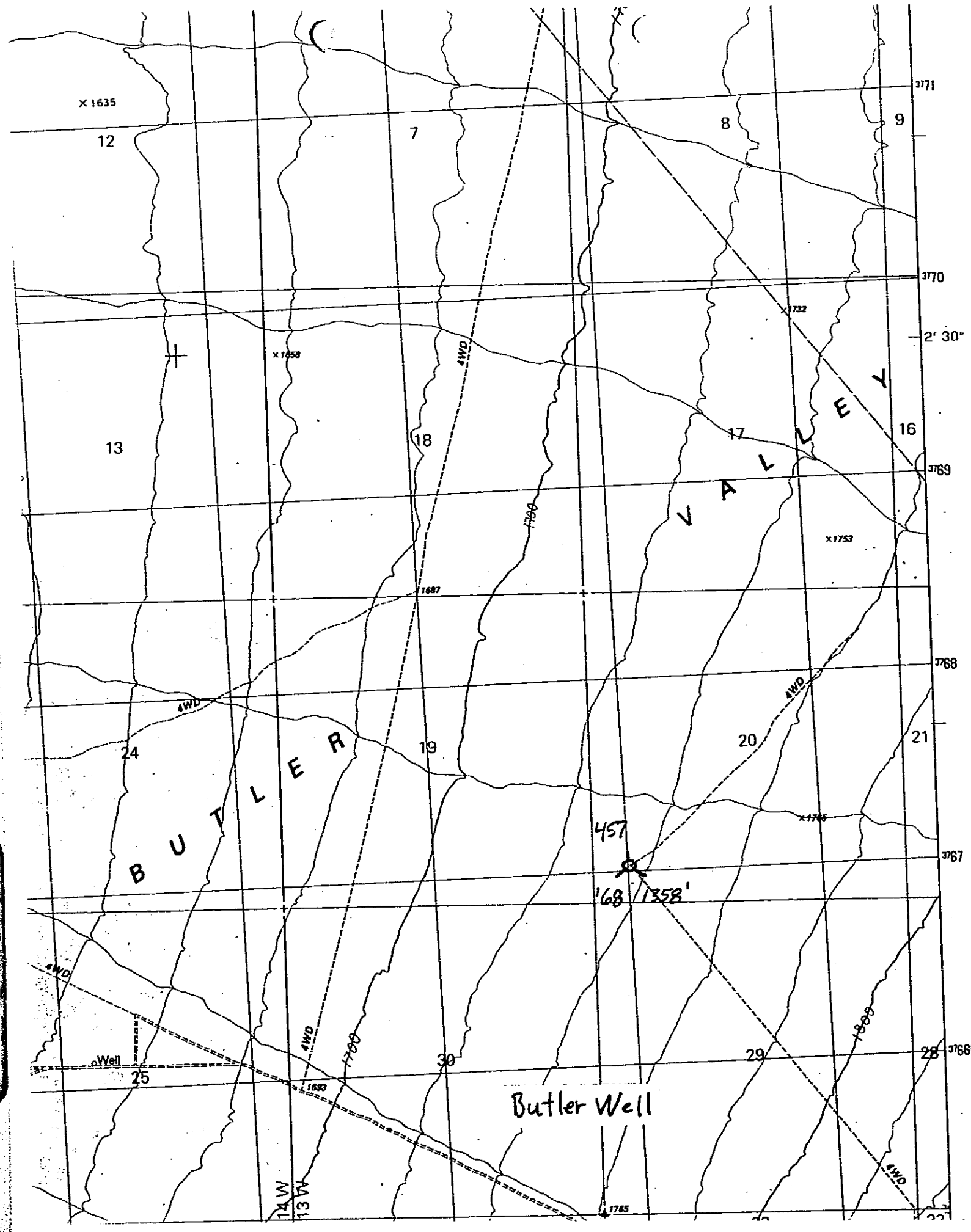
RECEIPT NO. 9541

API # 02-029-20001 (1983)

State of Arizona
Oil & Gas Conservation Commission
Permit to Drill

FORM NO. 27

Samples are required.


x 1635
12
7
8
9
3771
3770
2' 30"
x1732
x1658
4WD
13
18
17
16
3769
VALLEY
1700
x1753
1687
3768
4WD
24
BUTLER
19
20
21
x1745
457
3767
168 1358'
4WD
Well
25
1693
30
29
28
3766
1800
Butler Well
14W
13W
1785

El Paso Natural Gas Company

El Paso, Texas 79999

December 18, 1968

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

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

Dear Sir:

Enclosed is the group of reports that you requested by your letter dated December 13, 1968.

Yours very truly,

E. S. Oberly,
Regional Petroleum Engr.

ESO:dgb
Encl.

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

457

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.

457

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 #45[illegible]

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

457

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

457
459
462

Too def
Not electronic

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.

457

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

Recd samples with the first two wks NMP 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

457
459
462

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

457

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.

El Paso Natural Gas Company

El Paso, Texas 79999

September 26, 1968

ADDRESS REPLY TO
POST OFFICE BOX 995
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.

457

COPY

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.

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~~ Rec'd; 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