

P-M

ELI OIL & GAS DEVEL. #1 HORTENSTINE
SE SE 15-19N-26E Apache County 352

COUNTY Apache AREA 10 mi SW Navajo LEASE NO. Hortensine Fee

WELL NAME ELI OIL & GAS DEVELOPMENT #1 HORTENSTINE

LOCATION SE SE SEC 15 TWP 19N RANGE 26E FOOTAGE 660' FSL & 660 FEL

ELEV 5700' GR _____ KB SPUD DATE 5-21-66 STATUS _____ TOTAL _____
 COMP. DATE 6-13-66 DEPTH 986'

CONTRACTOR from USGS 7 1/2 quad per JNC

CASING SIZE	DEPTH	CEMENT	LINER SIZE & DEPTH	DRILLED BY ROTARY
<u>4 1/2'</u>	<u>986'</u>	<u>300 SKS</u>	<u>NA</u>	<u>X</u>
				DRILLED BY CABLE TOOL _____
				PRODUCTIVE RESERVOIR _____
				INITIAL PRODUCTION <u>P&A</u>

FORMATION TOPS	DEPTHS	SOURCE		REMARKS
		L.L.	E.L.	
<u>Chinle</u>	<u>0</u>		<u>X</u>	
<u>Shinarump</u>	<u>879'</u>			
<u>Moenkopi</u>	<u>909'</u>			
<u>Coconino</u>	<u>969'</u>			

ELECTRIC LOGS	PERFORATED INTERVALS	PROD. INTERVALS	SAMPLE LOG
<u>IE</u>	<u>884-886; 888-891</u>		SAMPLE DESCR <u>WT-2072</u>
	<u>895, 902-906</u>		SAMPLE NO. <u>738-1</u>
			CORE ANALYSIS _____
			DSTs _____

REMARKS E. J. McKenna from New York Underwriters Ins. Company phoned 5-18-66 to verify insurance of bond.

APP. TO PLUG	<u>X</u>
PLUGGING REP.	<u>X</u>
COMP. REPORT	<u>X</u>

WATER WELL ACCEPTED BY _____

BOND CO. Y. Y. Underwriters Ins. Co. BOND NO. 3293630
 DATE _____ ORGANIZATION REPORT 5-12-66
 BOND AMT. \$ 5,000 CANCELLED 6-28-66
 FILING RECEIPT 9450 LOC. PLAT X WELL BOOK X PLAT BOOK X
 API NO. 02-001-05255 DATE ISSUED 5-18-66 DEDICATION E/2 SE/4

PERMIT NUMBER 352

ARIZONA
APACHE CO.
PINTA DOME (D)



Petroleum Information Corp.
Denver, Colorado
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Twp 19n-26e
Section 15
se se
660 n/s 660 w/e

OPR: Eli Oil & Gas

WELL #: 1 Hortenstine

ELEV: 5725 Gr

DSTS. & CORES:
No cores or tests

SPUD: 5-21-66 COMPL: 6-13-66

TOPS: Log-Samples

TD: 986 PB:

Shinarump 879
Moenkopi 909
Coconino 969

CSG: 4½" @ 986 w/300

PERF: 884, 886, 888, 891, 895,
902, 906 w/2 pf. Sdwtrfract.

PROD. ZONE:

INIT. PROD: D&A

Contr: Harder

ARIZ3-662170

WELL COMPLETION, OR RECOMPLETION REPORT AND WELL LOG

DESIGNATE TYPE OF COMPLETION:

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

DESCRIPTION OF WELL AND LEASE

Operator **Eli Oil & Gas Development Co.** Address **516 W. Kaler Dr. Phoenix, Arizona**

Federal, State or Indian Lease Number or name of lessor if fee lease **Hortenstine Fee** Well Number **1** Field & Reservoir **Wildcat**

Location **660 FS&E lines** County **Apache**

Sec. TWP-Range or Block & Survey **Sec. 15 T19N R26E**

Date spudded **5/21/66** Date total depth reached **5/29/66** Date completed, ready to produce **5/29/66** Elevation (DF, RT, or Gr.) **5725 GL** feet Elevation of casing hd. flange **5725** feet

Total depth **986** P.B.T.D. Single, dual or triple completion? If this is a dual or triple completion, furnish separate report for each completion.

Producing interval (s) for this completion **0-986** Rotary tools used (interval) **0-986** Cable tools used (interval)

Was this well directionally drilled? Was directional survey made? Was copy of directional survey filed? Date filed

Type of electrical or other logs run (check logs filed with the commission) **Schlumberger ES & Induction** 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
To Test	8 5/8	4 1/2	8 1/2	0-986	300	None

TUBING RECORD

LINER RECORD

Size in.	Depth set ft.	Packer set at ft.	Size in.	Top ft.	Bottom ft.	Sacks cement	Screen (ft.)

PERFORATION RECORD

ACID, SHOT, FRACTURE, CEMENT SQUEEZE RECORD

Number per ft.	Size & type	Depth Interval	Amt. & kind of material used	Depth Interval
2	1/2 to 3/4 Abrasajet	884, 886, 888, 891 895, 902, 906	16,000 Gals Water 16,000 Lbs Sand	884-906

INITIAL PRODUCTION

Date of first production **6/27/66** 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 bbls.	Gas prod. during test MCF	Water prod. during test bbls.	Oil gravity ° API (Corr)

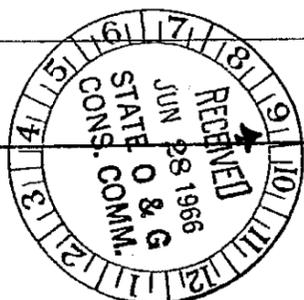
Tubing pressure	Casing pressure	Cal'd rate of Production per 24 hrs.	Oil bbls.	Gas MCF	Water bbls.	Gas-oil ratio

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 **President** of the **Eli Oil & Gas Development 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.

Date **6/27/66**

Signature **E. J. Packwood**



Permit No. **352**

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

3

[REDACTED]

27

DETAIL OF FORMATIONS PENETRATED

Formation	Top	Bottom	Description*
Shinle	0	85	Shale
	85	105	Sand
	105	280	Shale
	280	305	Sand
	305	312	Shale
	312	390	Sand and some Shale
	390	755	Shale with a few sand streaks
	755	777	Shale
	777	879	Conglomerate, Sand and some Shale
	879	909	Sand, Conglomerate
Shinarump			
Moenkopi	909	969	Shale with sand stringers up to 5' thick
Coconino	969	986	Sand, lt gy, wh, med sub rd grains tightly cemented.

* 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 Eli Oil & Gas Development Co.		Address 516 W. Kaler Dr. Phoenix, Arizona	
Federal, State, or Indian Lease Number, or lessor's name if fee lease. Hortenstine Fee		Well No. 1	Field & Reservoir Wildcat
Location of Well 660 FS&E lines		Sec. Twp. Rge. or Block & Survey Sec. 15 119N R20E	County Apache
Application to drill this well was filed in name of Eli Oil & Gas Dev. Co.	Has this well ever produced oil or gas No	Character of well at completion (initial production): Oil (bbls/day) Gas (MCF/day) Yes Dry?	
Date plugged: 6/13/66	Total depth 986	Amount well producing when plugged: Oil (bbls/day) Gas (MCF/day) Water (bbls/day) 8	
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
Shinarump	8	879	Cement TD 834
Coconino	Some	969	Cement TD 834

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
1 1/2	986	None	986		

Was well filled with mud-laden fluid, according to regulations? **Yes** Indicate deepest formation containing fresh water.

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

Name	Address	Direction from this well:
Apache Drilling Co.	Phoenix Arizona	E
J. R. Pickett	" "	W
Eastern Pet. Co.	Carmi, Ill.	N
Kruglick-Gibron	Phoenix	S

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.

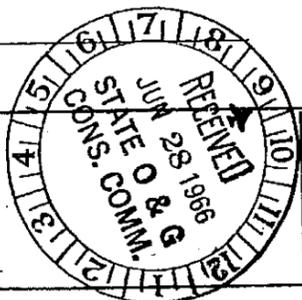
Use reverse side for additional detail.

CERTIFICATE: I, the undersigned, under the penalty of perjury, state that I am the President of the Eli Oil & Gas Development 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.

Date

6/27/66

E. J. Packwood
Signature



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

Permit No. **352**

Form No. 10

APPLICATION TO ABANDON AND PLUG

FIELD South of Pinta Dome
 OPERATOR Eli Oil & Gas Development Co. ADDRESS 516 W. Kaler Drive Phoenix, Arizona
 Federal, State, or Indian Lease Number _____
 or Lessor's Name if Fee Lease Hortenstine Fee WELL NO. 1
 SURVEY 660 FS&E lines SECTION 15 T19N R26E COUNTY Apache
 LOCATION SE SE¹/₄

TYPE OF WELL Dry Hole TOTAL DEPTH 986
(Oil, Gas or Dry Hole)

ALLOWABLE (If Assigned) _____
 LAST PRODUCTION TEST OIL _____ (Bbls.) WATER 8 (Bbls.)
 GAS _____ (MCF) DATE OF TEST 5/6 to 6/10 1966

PRODUCING HORIZON _____ PRODUCING FROM _____ TO _____
 1. COMPLETE CASING RECORD 4 1/2" 8 1/2 lb per foot depth set, 986' with 300 sacks cement

2. FULL DETAILS OF PROPOSED PLAN OF WORK Cement to be pumped into the well and out through the perforations into the formation and leaving the pipe filled with cement below the depth of 834'. The pipe to be filled within 15' of top with mud, then the top 15' to be filled with cement, with sign giving necessary data set in the cement at top of hole.

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 6/13/66

NAME OF PERSON DOING WORK Cameron-Harder Drilling Co. ADDRESS Buckeye, Arizona

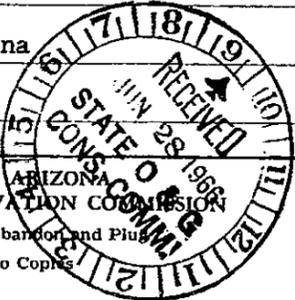
CORRESPONDENCE SHOULD BE SENT TO E. J. Packwood
 Name E. J. Packwood
 Title President

516 W. Kaler Dr. Phoenix, Arizona
 Address
6/27/66
 Date

Verbal Approval
6-13-66 JJB

Date Approved 6-28-66
 STATE OF ARIZONA
 OIL & GAS CONSERVATION COMMISSION
 By: John Bannister

STATE OF ARIZONA
 OIL & GAS CONSERVATION COMMISSION
 Application to Abandon and Plug
 File Two Copies
 Form No. 9



Permit No. 352

2134 W. KEIM DRIVE
PHOENIX, ARIZONA 85015

JOHN K. PETTY
Consulting Geologist



PHONE 274-6000

Eli Oil & Gas Development Co.
1 Hortenstine Fee 660 FS & E Lines
Sec. 15-T 19 N-R 26 E
Apache County, Arizona
Elevation GL 5725 T.D. 986
By: John Petty

SAMPLE DESCRIPTION

- 280 Tr Ls Lt Gy fx same f sdy
70 Shle Sdy, White, Lt. Gy, with red sh. incl.
in it giving sh. a mottled effect.
Bentonitic same sdy. with mixed specks.
Has tr. black Tourmaline & Trace Biotite Mica.
30 sh. Red calc.
Tr Sh. Purple
- 300 Tr Ls Wh Lt Gy & Pink F x.
60 sh. sdy. mottled red sh. wh. str. gr. sh. flakes
and specks of Biotite Mica, specks of Blk. Tourmaline.
20 Sh. Red, slightly mottled as the mottled shale but
harder denoting transition zone.
20 Sh. Med. Red to Bright Red. Calc.
Tr Sh. Purple.
- 320 Tr Ls Lt Gy Wh FX
10 sh. mottled as above
20 sh. red. calc.
10 sh. purple
60 sh. wh. lt. gy. calc.
- 340 10 Ls Lt Gy, Lt. tan, Med. gy, FX some sl. sdy.
10 Sh mottled as above to minerals Tourmaline Mica.
10 Sh. Lavender, light calc.
20 Sh. Red Calc.
50 Sh. Lt. Gy, Wh. Calc.
- 360 TR LS as above
30 Sh. Lt. Gy FX consl. & unconsl.
10 Sh. mottled as above
10 Sh. Lavender
30 Sh. Red
20 Sh. Wh Lt Gy.
T& Chert Amber Tan.
- 380 80 Sd Wh Lt Gy F to Med. Mostly consl. some loose unconsl.
20 Sh. Red Calc.

Page 2
Sample Descriptions

400 10 LS Lt Gy FX
Tr Lt Gy FX LS
TR Sh mottled
10 Sh. Lav.
10 Sh. Purp.
40 Sh. Red
30 Sh. Wh. Lt Gy.

415 Sample Taken Off Bit
Tr Ls Lt Gy Tan
100 Sh. Purple

400-20 10 LS Wh Lt Gy Fx
10 Sh Lavender & Purple
80 Sh Red.

420-40 TR Ls A A
10 Sd. Wh. F.
10 Sand Clear Quartz Grains & Sub Rd. Sub Ang.
10 Sd. Amber & Tan F Q 6'S
70 Red Sh.
TR Sh Lt Gy.

460 TR LS
10 Cl & F Q 6'S Sub Ang & Sub Rd.
60 Sh. Bright Red
Sh Md. Gy.
30 Sh. Purple

475 TR LS
10 Clea. & F Q 6'S Sub Rd. Sub Ang, Loose
10 Sh M. Gy.
20 Sh. Purple
20 Sh. Red
30 Sh. White, White Bentonite
10 Chert Amber and Yellowish Amber

480-500 TR LS Lt Gy FX
30 Sd Cl & FQGS fine to med. sd.
F to Med. Consl.
10 Chert Lt Gy, Lt Blue, Gy, Conch
Med gray-purple w/ inclusions of clear Qtz grains.
10 Sh. Purple
20 Sh. Lt Gry & Med Gy.
30 Sh. Red Calc mostly Bright.

500-510 TR LS a a
30 sd. as above
10 Chert a a
10 sh. purp.
20 sh. lt. gy. as above
30 sh. as above

Page 8
Sample Descriptions

- 510-520 40 sd. a. a.
10 Chert a.a.
10 sh. purp. as above
10 sh. gray a. a.
30 sh. red.
- 520-30 40 a. a.
10 chert.
~~10 a.a.~~
20 sh. purp. a.a.
10 sh. gy.
20 sh. red salmon color
- 530-40 TR LS Lt Gy. FX
30 sd. a.a.
30 chert a.a.
10
10
~~20~~
TR sh grn
- 540-50 10 F & Cl Q ^{Gs} Sub Ang & Sub Rd.
small to large
10 sh purple & lavender
10 sh. med. to lt gy.
20 sh. med & lt gy Bentomite Sh.
40 Sh. Red. Salmon Color
10 Chert Amber, Yellow Clear and blue gray.
- 550-60 TR Sd F & Cl Q. Gs small to lge.
10 sh. purp. & lav.
20 sh. med gy. to dk. gy.
30 sh. white & lt gy
30 sh. red salmon colored
10 chert amber yellow-amber, clear & blue gy.
- 560-70 TR Sd a.a.
30 sh. purp. & Lav. a.a.
Put as 20 sh. med. gy. to dk. gy. a.a.
100% Sh. 10 sh. wh & lt gy. as a.
on Log. 30 Sh. Rd. a.a.
10 Chert a.a.
- 568- 100 Purple Shale off bit when pulled. This sh. stuck
all over the T and about locked it.
- 570-80 20 sd. cl. & FQ Gs med some fine lt gy, grains sub ang.
med. rd.
20 sh. purple
TR sh. med. gy to dk. gy.
20 sh. wh. & lt. gy.
40 sh. red

Page #
Sample Description

580-90 TR Sand, Conglomerate grn. gy. red. yellow
20 Sh white to Lt Gy.
30% Sh. Purple
40% Sh. Red
10 Chert white, lt. gy. lt. amber

590-600 20 Sand Cl Q6^s, small to lge. sub rd.
F Q 6-same, fine white
10 sh. white Bentonitic
20 sh. purple
30 sh. red
20 sh. dk. gry. & Bluish gry.
TR Sh. Green Bentonitic
TR Chert amber, white tan.

600-05 TR Sand Wh & Clea F to Med.
TR LS White
TR Sh White
40 Sh. Purple
20 Sh. Purple
30 Sh. Med. Gy.
10 Chert, Blk. Brn. Med. Tan.

605-10 10 Sd. F to Med. some Q6s & Cl & F.
TR Sh wh
50 sh. purp.
20 sh. orange
10 sh. med. red
10 sh. lt. to med. gy.

610-15 TR Sand a.a.
TR sh. wh.
60 sh. purp.
20 sh. orange
10 sh. med. red.
10 sh. lt. to med. gy.

615-620 10% Cl. ^{Q6s} ~~Q6s~~ L to Med. Sub Rd.
TR LS Lt Gy Lt Tan FX
60 sh. purp.
20 sh. orange
TR Sh Red
10 Sh Lt to Med Gy
TR Sh Green
TR Sh Yel.
TR Chert Gray

620-25 10 Cl. ^{Q6s} ~~Q6s~~ a.a.
60 sh. purp. a.a.
20 sh. orange
TR Sh Red
10 Sh Lt to Med Gy.
TR Sh Grn.
TR M. Yel.
TR Chert Gy.

Page 4
Sample Description

625-30 10% Cl ~~Q~~ ~~6~~ a.a.
60% sh. purp. a.a.
20 sh. orange
TR sh red
10 sh lt to med. gy.
TR sh. grn
TR sh yellow
Tr chert gy, blue, gy, tan, orange

630-35 TR Cl ~~Q~~ ~~6~~ s med. sub rd.
40 sh. purple
40 sh. orange
Tr Lt Med Gy
10 sh. med bluish gray
Tr Sh Red
10 Sh grn.
TR sh. yellow
TR Chert Gy.

635-40 TR Cl. ~~Q~~ ~~6~~
70 sh. purple
20 sh. orange
10 sh. lt gy.
TR Sh Red
TR Sh lt grn.
TR Chert amber, orange

640-45 TR Cl ~~Q~~ ~~6~~ s a.a.
30 sh. purple
20 sh. orange
30 sh. lt. med gy
~~20~~ sh. med bluish gy
10 sh red

645-50 20 sh. purp.
30 sh. orange
30 sh. lt. med. gy.
10 sh. dk. bluish gy.
10 sh. red
TR yellow
TR Chert lt gy, white

650-55 30 sh. purp.
30 sh. orange
30 sh. med. to dk. gy.
TR Sh red
10 sh white Bentonitic
TR sh. yellow
TR Chert gy, yellow tan

655-60 TR Ls Fx
30 sh. purp. 30 sh. orange, 30 sh. med. gy.
10 sh. white to Chert gy.

- 660-65 TR LS FX white
30 sh. purp, 20 sh. orange, 30 sh. med. gy.
10 sh. white, 10 Chert lt gy amber
- 665-70 TR LS Lt Gy Lt Pink FX
40 sh purp., 20 sh. orange, 30 sh. gray med.
TR Yellow sh., ~~10~~ Sh Wh., Tr Chert Gy.
- 670-75 20 Sh. Purp., 30 Sh. orange, 50 sh. med. gy to yellow
TR Chert Gy Tan
- 675-80 10 LS Lt Gy F X
10 Sd. F consl lt. gy.
20% Sh. purp., 20 sh. orange, 40 med. gry.
- 680-85 10 LS a.a., 10 sd. a.a., 20 sh. purp., 20 sh. orange,
40 sh. med. gy.
- 685-90 TR Sd. Tr LS, 20 sh. purp., 20 sh. orange, 60 sh. med. gy,
to Yellow sh.
- 690-95 Same
- 695-700 20 sh. purp., 30 sh. orange, 40 sh. med. gy.
10 chert lt gy tan.
- 700-05 10 Sd. amb. red cl ^{Q6s} ~~Q6s~~ small to lge.
Lt gy sd., 60 sh. med. gy, 10 sh. purp.
20 sh. orange, Tr yellow, to chert wh.
- 705-10 TR Sd
60 Sh, med gy, 10 sh. pup., 20 sh. orange, 10 sh. wh.
To yellow.
- 710-15 50 sh. purp., 20 sh. med. gy., 20 sh. orange,
10% sh. white.
20 chert red, orange, gy, bluish, tan,
Tr F Q6 & Cl Q 6s
- 715-20 40 sh. purp., 20 sh. med. gy, 20 sh. orange
20 Sh. yellow, to sh. white.
- 720 20 Chert a.a.
10 F Q 6 & Cl Q 6s
40% Sh orange, 10 sh. purp. 20 sh. med gy.
- 720-25 20 Chert. tan, pink, cloudy,
20 sh. purp., 10 sh. red, 30 sh. orange, 10 sh. white,
Much goldstone in red shale. 10 med. gy. sh. to sh. grn.
& orange.
- 725-30 20 Chert, Tan pink, cloudy with whiteamber, 40 sh. orange
to red. sh., 20 med. gy shale, Goldstone in or. & red. sh.
20% sh. purp. to lt. gy., lt. yellow.

- 730-35 10 Chert tan, pink cloudy, amber, white
40 sh. med. gy, 20 sh orange (~~cs~~), 20 purp., 10 sh. red
(~~cs~~) to sh. wh & lt gy to grn.
- 735-40 TR cl. ~~Q~~ ^Q ~~G~~ s lge. & med. sub rd.
10 chert, white cloudy, amber, clear, 40 sh med. gy.
20 sh purp., 10 sh red. , 20 sh. orange Tr grn
- 740-45 TR f & cl. ~~Q~~ ^Q ~~G~~ small to med sub red.
40 sh. med gy, 10 sh. lt gy, 20 sh orange, 20 sh purple,
10 sh red.
- 745-50- TR F & Cl ~~Q~~ ^Q ~~G~~ s, small to med. sub rd.
40 sh. med gy, 10 sh lt gy, 20 sh orange, 20 sh purple,
10 sh red, Fr sh grn to chert wh. milky.
- 750-55 10 F & Cl ~~Q~~ ^Q ~~G~~ s a.a., 30 sh. med gy, 10 sh lt gy, 20 sh.
orange, 20 sh purp, 10 sh red, TR sh grn, TR chert
white milky.
- 755-60 TR LS FX
10 Chert, cloudy, clear, 30 sh orange, 30 sh med gy,
20 sh purp, 10 sh red, tr yel, tr grn.
- 760-65 10 Chert, amber, cle, cloudy, tan , yellow, reddish, blue
gray, brn, 30 sh. orange, 30 sh. med gy, 20 sh purp.,
10 sh red, tr yellow, tr grn.
- 765-70 10 chert a.a.
30% sh. med gy, 30 sh. orange, 20% sh purp. 10 sh red,
tr sh red, tr sh grn, tr sh lt gy.
- 770-75 20 chert, light gy, cldy, tan, amber, brn, red, rose,
30 sh. med gy, 30 sh orange, 20 sh purp. tr sh red, tr sh.
yellow tr sh grn.
- 775-80 20 chert as above plus md. to dk. gry.
30 sh med gy, . 30 sh. orange, 20 sh
tr sh. red, tr sh. yellow, tr sh. grn. tr sh. lt gray.
- 780-85 10 Chert a.a. , 30 sh. med gy, 30 sh. orange, salmo n
Porous color, 20 sh. purp, 10 sh lt gy. tr Goldstone in red &
orange sh. to grn sh.
- 785-90 10 chert, wh. lt gy, amber, tan, brn, yellow, wh.
Porous 20 sh. orange, salmon 20 sh red, ~~20 sh~~ 10 sh M gy
20 sh. purp. 20 sh brn.
- 790-95 10 F & Cl. ~~Q~~ ^Q ~~G~~ s small to large ^{sub} round uncons.
Porous 10 chert a.a. 30 sh med gy, 30 sh orange-salmon, 20 sh
purple, TR sh lt gy, TR sh. red, TR sh yellow, tr sh. grn
Goldstone ~~Alu~~ in orange & red sh.
- 795-800 20 sd. ~~FG~~ ^{FG} & Cl ~~Q~~ ^Q ~~G~~ s small to lge uncons. tr sd. lt gy
f consl.
10 Chert lt gy, cloudy, clear, reddish-yellow amber,
bluish . 30% sh orange, salmon, 20 sh purple, 20 sh. med
gy, tr sh lt gy, tr sh yellow, tr sh. red, to sh grn.

Page 8
Sample Descriptions

- 800-05 TR Dolo, lt gy, X gran.
TR LS, lt gy, FX
10 sd. Fx Cl ~~Q6s~~ only small sub rd to med. & large sub angular chunks
TR chert amber, clear red.
20% sh Dk Rd., 30 red Bright orange-salmon
20 sh. purple, 20 sh med gy, Tr lt yel sh.
- 805-10 Tr Dolo ltgy a.a. tr ls a.a. 10 sd. a.a., tr chert a.a.,
20 sh. dk. red a.a., 30 sh. br. orange salmon, 20 sh. purp.,
20 sh m. gy to sh lt yel.
- 810-15 TR Dolo (aa) tr Ls a.a. , 20 sh drk r. , 30 sh B.O.S
20 sh. purp. , 20 sh m. gy, tr yel, tr grn, ~~10~~ chert wh.
- 815-20 TR Dolo, tr ls a.a., 20 sh dk rd, a.a., 30 sh. B.O.S.
20 sh purp, 20 sh med. gy, tr tan, gr yel.
TR Chert, lt gy, calc, 10 sd.
- 820-25 10 sd. ~~Q6s~~ & cl. ~~Q6s~~ f to med. s.r.
Tr Dolo, a.a., Tr Ls, 10 chert, lt gy, cloudy, 20 sh.
B. O.S. a.a., 20 purp. a.a., 20 dk. red, a.a., 20 sh
lt. med gy, tr sh. yel & grn.
- 325-30 10 sd. a.a., tr ls, a.a., 10 chert a.a., 20 sh. R.O.R. s,
20 sh. purp., 20 sh. dk red a.a., 20 sh. lt gy, tr sh.
yel., tan, crm.
- 830-35 10 sd. FQ6 ~~anal~~ ^{concord} to med. R , 10 chert lt gy,
20 sh. B-O-R -s, 20 sh purp, 20 sh dk. r. a.a., 20 sh lt.
gy, tr.sh yel, tan grn.
- 835-40 30 sh. br. red o-s. TR Chert 20 sh. purp., 20 sh. dk. rd.,
30 sh. med. dk. gy, tr grn. yellow.
- 840-45 20 sd. F to med. cl. qtz, grains sub red to chert
30 sh. purp., 20 sh. dk. red, 30 sh. med dk. gy tr,
grn, yel.
- 845-50 10 sd. a.a., 10, chert lt g., cl. cldy,
30 sh. br. red. o-s col. 20 sh. purp, 30 sh. dk. gy.
tr. yel, grn.
- 850-55 tr. sd. a.a., tr. chert a.a., 50 sh. br. r. o-s-
20 sh. purp., 30 sh. dk. gy, tr sh. lt gy.
- 855-60 10 sd. a.a., to chert, a.a., 50 sh. br. r. o-s
20 sh. purp., 20 sh. dk. gy, tr. sh. lt. gy.
- 860-65 TR sd. FQ6s med. s-r., 10 chert. a.a., 50 sh. br. red.
O-s, 20 sh. purp, 20 m gy, tr lt gy.
- 865-70 10 sd., a.a., 10 chert a.a.
~~30~~ 20 20 tr

Page 8
Sample Descriptions

870-75 10 sd. a.a. 10 ch. a.a.
40 20 20 tr

875-80 10 10
40 20 20 tr

880-85 20 sd. f to m. mostly f. uncons.
10 chert. wh., lt g., cldy, 30 sh. br. r. o-s
20 sh purp., 20 m gy.

885-90 20 sd. F & M a.a. 10 chert 30 sh b.r.
o-s sh. purp, 20 m gy.

890-95 20 sd. a.a., 10 ch., 30 B-R-O-S 20 sh. purp.
20 m. gy.

900-05 30 sd. 10 chert amber, 30 b.r.o.s., 20 purp.
20 sh m. gy.

905-10 20 chert 30 b.r.o.s., 20 purp.
20 sh. m. gy.

910-15 10 sd. 20 chert. 30 20 purp
20 sh. m. gy.

915-20 20 sd 10 chert. 30 20
20

920-25 TR LS lt gy Fx
20 sd. S to lg. F Q 6s Cl. Q 6s.
L Red, Sd. F 10 chert. red, amber, tr Mica to sd.& sh.
30 sd. red, 30 md. gy.
10% sh. purp.

925-30 10 sd. FQ 6 Sm. to med. s^{ub} rd., 10 chert lt gy, cldy, amber,
to med gy, 30 sh. red, 20 sh. purp., to grn sh.)
10 ls lt gy fx.

930-35 10 sd. a.a., 10 chert a.a., 40 sh. med gy, 20 sh. red,
20 sh. purp. to sh. grn. Tr Ls Lt gy, fx.

935-40 10 sd. a.a. 10 chert a.a., 30 sh. med. gy, 20 sh. red,
20 sh. purp. 10 sh. grn, tr ls fx lt gy.

940-45 10 sd. f to m ltg tan
40 sh. med gy, 20 sh. red, 20 sh. purp., 10 sh. grn. Tr Ls
fx lt gy.

945-50 10 sd. lt gy f to m., tr chert gy, lt gy, 50 sh. red, 20
purp. sh, 20 sh. m. gy.

950-55 10 sd. as above, 10% cl. FQ 6s sm. to lge. Tr ls to lt gy.
40 sh. red, 20 sh. purp., 20 sh. m. gy, tr sh grn to
chert, clear, cloudy, amber.

Page 10
Sample Descriptions

- 955-60 ¹⁰ sd. lt gy & lt tan f consl. , 10 cl. FQ 6 s.
~~20~~ 40 sh. red, 20 sh. purp, 20 sh. m gy, tr sh. grn.
TR Ls Lt gy.
- 960-65 20 sd. lt gy & lt tan f consl. 10 cl & FQ 6s 30 sh.
red, 20 sh. purp., 20 sh. m. gy, to sh. lt gn
tr. ls
- 965-970 10 sd. a.a. tr chert a.a.
40 sh. red., 30 sh. dr. red, purple
20 sh. gy, tr sh. grn. tr ls lt gy.
- 970-75 20 sd. lt gy, lt tan,
tr chert, lt gy, lt tan, amber
40 sh. red, 20 sh. red purple, 20 sh. lt gy, to sh lt grn.
tr ls lt gy, tan.
- 975-80 20 sd. a.a. to chert a.a.
40 sh. red, 20% sh. purp. 20 sh. lt gy, tr sh. lt grn.
tr ls, lt gy, lt tan.
- 980-86 ¹⁰⁰ ~~40~~ sd., lt tan, lt gy, mottled w/ grn, gry and red
sh. f. to med. consl. porous.

SUNDRY NOTICES AND REPORTS ON WELLS

1. Name of Operator ELI OIL & GAS DEVELOPMENT COMPANY
 2. OIL WELL GAS WELL OTHER (Specify) _____
 3. Well Name ELI OIL & GAS DEVELOPMENT COMPANY #1 HORTENSTINE FEE
 Location 660 feet from South & East lines of section
 Sec. 15 Twp. 19N Rge. 26E County Apache Arizona.
 4. Federal, State or Indian Lease Number, or lessor's name if fee lease HORTENSTINE FEE
 5. Field or Pool Name WILDCAT

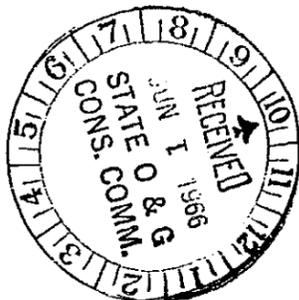
6. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	MONTHLY PROGRESS <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	DIRECTIONAL DRILL <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	PERFORATE CASING <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(OTHER) <u>SPUD DATE ETC</u>	ABANDONMENT <input type="checkbox"/>
(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.)

May 6, --Surveyed location 9 miles SW Navajo, Arizona (Kerr MCGee Helium Plant, and Painted Desert Motel)
 May 19-- MIR (L. K. Harder Drilling Co., Buckeye, Arizona)
 May 20--MIR
 May 21--RUR & spudded in well @6:50 P M and drilled 3 feet in red shale
 May 22--Drilling at 176 feet at 5 O'Clock PM using water as drilling medium with very little drilling mud being added.
 May 23--Drilling at 360 feet at 9AM in red shale, with sand stringers.
 May 24-- Drilling at 475 @ 3 PM in sh, red, purple, with sand stringers
 May 25-- Drilling at 664 @10:30 PM in sh, gy, stky
 May 26-- Drilling at 810 @ 8 AM in shale and sand



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

Signed John K Petty Title Consl. Geologist Date May 26, 1966

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

Permit No. 352

ES; Oil #1 Hortenstine

SE SE 15 19N 26E

#352

6-4-66 TD 986' Top of Coconino 968'
perforated ABRIS-Jet 2 holes per foot
906' up to 884' in Shinerump -
Interface 884'
Water at 906' entered casing at hole
located 329' - packer set + perforated
thru tubing

6-5-66 Swabbed thru packer + tubing - until
engine broke down.

Dowell shot well

Blackburn(?) cemented

H.K. (Boots) Harder of Buckeye drillers

APPLICATION FOR PERMIT TO DRILL, DEEPEN, PLUG BACK, OR RE-ENTER

APPLICATION TO DRILL DEEPEN PLUG BACK RE-ENTER OLD WELL

NAME OF COMPANY OR OPERATOR DATE
 Eli Oil & Gas Development Co. May 12, 1966

Address City State
 516 West Kaler Drive Phoenix Arizona

DESCRIPTION OF WELL AND LEASE

Federal, State or Indian Lease Number or name of lessor, if fee lease Well number Elevation (ground)
 Hortenstine Fee 5725

Well location and acreage dedicated to the well (give footage from section lines) Section—township—range or block & survey
 660 from S. Line & 660 from E. Line (80 acres) 15 19N 26E G.&S.R.M.

Field & reservoir (if wildcat, so state) County
 South Pinta Dome (E 2 SE 4) Apache

Distance, in miles, and direction from nearest town or post office
 Approx. 10 miles S. W. of Navajo, Arizona

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: feet

Proposed depth: 750 Rotary or cable tools Approx. date work will start
 Rotary May 20, 1966

Number of acres in lease: 640 Number of wells on lease, including this well, completed in or drilling to this reservoir: one (This one)

If lease, purchased with one or more wells drilled, from whom purchased: Name Address

Status and amount of bond Organization Report Filing Fee of \$25.00
 \$5,000 \$2,500.00 On file attached & on file Attached Yes

Remarks: (If this is an application to deepen or plug back, briefly describe work to be done, giving present producing zone and expected new producing zone)

Subject to receipt of bond

*Fill in Proposed Casing Program on reverse side

CERTIFICATE: I, the undersigned, under the penalty of perjury, state that I am the President of the Eli Oil & Gas Development 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.

E. J. Packwood
 Signature

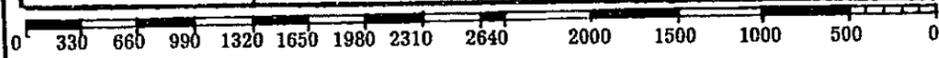
Date May 12, 1966

Permit Number: 352
 Approval Date: 5-18-66
 Approved By: John Yarnester
 Notice: Before sending in this form be sure that you have given all information requested. Much unnecessary correspondence will thus be avoided.
 See Instruction on Reverse Side of Form

STATE OF ARIZONA
 OIL & GAS CONSERVATION COMMISSION
 Application to Drill, Deepen or Plug Back and Plat
 File Two Copies

Form No. 3

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 _____ 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																
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 25%; height: 100px;"></td> </tr> <tr> <td style="width: 25%; height: 100px;"></td> </tr> <tr> <td style="width: 25%; height: 100px;"></td> </tr> <tr> <td style="width: 25%; height: 100px;"></td> </tr> </table>																	<p style="text-align: center;">CERTIFICATION</p> <p>I hereby certify that the information above is true and complete to the best of my knowledge and belief.</p> <p>Name _____</p> <p>Position _____</p> <p>Company _____</p> <p>Date _____</p> <p>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.</p> <p>Date Surveyed _____</p> <p>Registered Professional Engineer and/or Land Surveyor _____</p> <p>Certificate No. _____</p>
																	

PROPOSED CASING PROGRAM

Size of Casing	Weight	Grade & Type	Top	Bottom	Cementing Depths	Sacks Cement



PERMIT TO DRILL

This constitutes the permission and authority from the

OIL AND GAS CONSERVATION COMMISSION,
STATE OF ARIZONA,

To: ELI OIL & GAS DEVELOPMENT COMPANY
(OPERATOR)

to drill a well to be known as

ELI OIL & GAS DEVELOPMENT #1 HORTENSTINE FEE
(WELL NAME)

located 660 feet from south line and from east line (SE/4SE/4)

Section 15 Township 19N Range 26E Apache County, Arizona.

The East half of southeast quarter 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 18th day of May, 19 66.

OIL AND GAS CONSERVATION COMMISSION

By John Bannister
EXECUTIVE SECRETARY

*Subject to receipt
of bond.*

PERMIT N^o 352

RECEIPT NO. 9450

State of Arizona
Oil & Gas Conservation Commission
Permit to Drill

FORM NO. 27

COMPANY Eli Oil and Gas Development Company

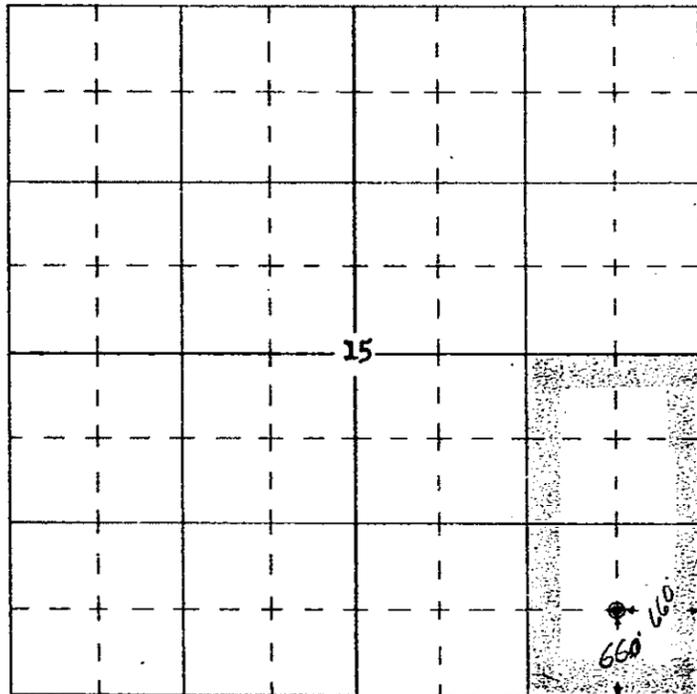
Well Name & No. _____ Lease No. _____

Location 660 feet from South line and 660 feet from East line

Being in Apache County, Arizona

Sec. 15, T19 N., R. 26E., G.&S.R.M.

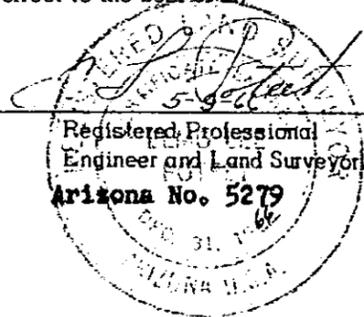
Ground Elevation 5725



Scale - 4 inches equals 1 mile

Surveyed May 6, 19 66

This is to certify that the above plat was prepared from field notes of actual surveys made by me or under my supervision and that the same are true and correct to the best of my knowledge and belief.



352

B

LIABILITY UNDER THIS BOND MAY NOT BE TERMINATED WITHOUT WRITTEN PERMISSION OF THIS COMMISSION.

BOND

KNOW ALL MEN BY THESE PRESENTS

BOND SERIAL NO. 3293630

That we: ELI OIL & GAS DEVELOPMENT CO.

of the County of: MARICOPA in the State of: ARIZONA

as principal, and NEW YORK UNDERWRITERS INSURANCE COMPANY

of 111 WEST MONROE, PHOENIX, ARIZONA
AUTHORIZED TO DO BUSINESS WITHIN the State of Arizona.

as surety, are held and firmly bound unto the Oil and Gas Conservation Commission, State of Arizona, in the penal sum as indicated, lawful money of the United States, for which payment, well and truly to be made, we bind ourselves, and each of us, and each of our heirs, executors, administrators or successors, and assigns jointly and severally, firmly by these presents. The conditions of this obligation is that whereas the above bounden principal proposes to drill a well or wells for oil, gas, helium, other minerals, or for stratigraphic purposes in and upon the following described land situated within the State, to wit:

S. E. QUARTER OF S. E. QUARTER, SECTION 15, 19 N. 26 E, APACHE COUNTY,
(May be used as blanket bond or for single well)

ARIZONA (DRILLING FOR OIL & HELIUM)

NOW, THEREFORE, if the above bounden principal shall comply with all of the provisions of the laws of this State and the rules, regulations and orders of the Oil and Gas Conservation Commission, especially with reference to the requirements of A.R.S. 27-516, providing for the proper drilling, casing and plugging of said well or wells, and filing with the Oil & Gas Conservation Commission all notices and records required by said Commission, in the event said well or wells do not produce oil or gas in commercial quantities, or cease to produce oil or gas in commercial quantities, then this obligation is void; otherwise, the same shall be and remain in full force and effect. Liability under this bond may not be terminated without written permission of this commission.

Penal sum of FIVE THOUSAND AND NO/100-----(\$5,000.00)

Witness our hands and seals, this 16TH day of MAY

ELI OIL & GAS DEVELOPMENT CO.

E. J. Packwood, President
Principal

Witness our hands and seals, this 16TH day of MAY

NEW YORK UNDERWRITERS INSURANCE COMPANY

Janice C. Fletcher
Surety ATTORNEY-IN-FACT

Surety, Resident Arizona Agent
(If issued in a state other than Arizona)

(If the principal is a corporation, the bond should be executed by its duly authorized officers, with the seal of the corporation affixed. When principal or surety executes this bond by agent, power of attorney or other evidence of authority must accompany the bond.)

Approved Date May 25, 1966
STATE OF ARIZONA
OIL & GAS CONSERVATION COMMISSION
By: Jehal Hamister
Permit No. 352

STATE OF ARIZONA
OIL & GAS CONSERVATION COMMISSION
Bond
Filed Two Copies
Form No. 2
CANCELLED
DATE 6-28-66

NEW YORK UNDERWRITERS INSURANCE COMPANY

New York, New York

3

POWER OF ATTORNEY

Know all men by these Presents, That the NEW YORK UNDERWRITERS INSURANCE COMPANY, a corporation duly organized under the laws of the State of New York, and having its principal office in the City of New York, State of New York, does hereby make, constitute and appoint

JANICE G. FLETCHER, of PHOENIX, ARIZONA,

its true and lawful Attorney(s)-in-fact, with full power and authority to each of said Attorney(s)-in-fact, if more than one is named above, to sign, execute and acknowledge any and all bonds and undertakings on behalf of the company

in its business of guaranteeing the fidelity of persons holding places of public or private trust; guaranteeing the performance of contracts other than insurance policies; guaranteeing the performance of insurance contracts where surety bonds are accepted by states or municipalities, and executing or guaranteeing bonds and undertakings required or permitted in all actions or proceedings or by law allowed,

and to bind the NEW YORK UNDERWRITERS INSURANCE COMPANY thereby as fully and to the same extent as if such bonds and undertakings and other writings obligatory in the nature thereof were signed by an Executive Officer of the NEW YORK UNDERWRITERS INSURANCE COMPANY and sealed and attested by one other of such officers, and hereby ratifies and confirms all that its said Attorney(s)-in-fact may do in pursuance hereof.

This power of attorney is granted under and by authority of the following Resolution adopted by the Board of Directors of the NEW YORK UNDERWRITERS INSURANCE COMPANY at a meeting duly called and held on the 12th day of September, 1957.

The President or any Vice-President, acting with any Secretary or Assistant Secretary, shall have power and authority to appoint, for purposes only of executing and attesting bonds and undertakings and other writings obligatory in the nature thereof, one or more Resident Vice-Presidents, Resident Assistant Secretaries and Attorneys-in-fact and at any time to remove any such Resident Vice-President, Resident Assistant Secretary, or Attorney-in-fact, and revoke the power and authority given to him.

Attorneys-in-fact shall have power and authority, subject to the terms and limitations of the power of attorney issued to them, to execute and deliver on behalf of the Company and to attach the seal of the Company thereto any and all bonds and undertakings, and other writings obligatory in the nature thereof, and any such instrument executed by any such Attorney-in-fact shall be as binding upon the Company as if signed by an Executive Officer and sealed and attested by one other of such Officers.

In Witness Whereof, the NEW YORK UNDERWRITERS INSURANCE COMPANY has caused these presents to be signed by its Vice-President, and its corporate seal to be hereto affixed, duly attested by its Secretary, this

30th day of September 19 65

CORPORATE SEAL

NEW YORK UNDERWRITERS INSURANCE COMPANY

Attest:

T. M. MEREDITH (signed)
Assistant Secretary

WM. H. WALLACE (signed)
Vice-President

STATE OF CONNECTICUT, }
COUNTY OF HARTFORD, } ss.

On this 30th day of September, A. D. 19 65, before me personally came **WM. H. WALLACE**, to me known, who being by me duly sworn, did depose

and say: that he resides in the County of Hartford, State of Connecticut; that he is the Vice-President of the NEW YORK UNDERWRITERS INSURANCE COMPANY, the corporation described in and which executed the above instrument; that he knows the seal of said corporation; that the seal affixed to the said instrument is such corporate seal; that it was so affixed by order of the Board of Directors of said corporation and that he signed his name thereto by like order.

NOTARIAL SEAL

PERMOSE WOLF (signed)
Notary Public

STATE OF CONNECTICUT, }
COUNTY OF HARTFORD, } ss.

My comm. exp. 4.1.69

CERTIFICATE

I, the undersigned, Secretary of the NEW YORK UNDERWRITERS INSURANCE COMPANY, a New York Corporation, DO HEREBY CERTIFY that the foregoing and attached POWER OF ATTORNEY remains in full force and has not been revoked, and, furthermore, that the Resolution of the Board of Directors of the Company, set forth in the Power of Attorney, is now in force.

Signed and sealed at the City of Hartford, Dated the 16TH day of MAY 19 66

June 28, 1966

Eli Oil and Gas Development Company
516 W. Kaler Drive
Phoenix, Arizona

Attention: Mr. E.J. Packwood, President

Re: Eli Oil & Gas Development #1 Hortenstine
SE SE 15-19N-26E, Apache County
Permit 352

New York Underwriters Insurance Company Bond 3293630

Gentlemen:

The captioned well has been plugged and abandoned in accordance with the Rules and Regulations of this Commission.

This letter will authorize the captioned bond covering your operations on this well to be cancelled effective June 28, 1966.

Very truly yours,

John Bannister
Executive Secretary
nr

cc: New York Underwriters Insurance Co.
Hartford Insurance Group
Arizona Title Bldg.
Phoenix, Arizona

June 2, 1966

Mr. John K. Petty
2134 W. Keim Drive
Phoenix, Arizona 85015

Re: Eli Oil & Gas Development #1 Hortenstine
SE SE 15-19N-26E, Apache County
Permit 352

Dear Mr. Petty:

Attached please find Sundry notice Report submitted to this office on May 23, 1966, which is being returned herewith as requested.

The information now filed is satisfactory and our records are corrected to show that this is an oil well location.

Your cooperation is appreciated.

Yours very truly,

John Bannister
Executive Secretary
mr
enc

cc: Mr. Ed J. Packwood
516 West Kaler Drive
Phoenix, Arizona 85021

2134 W. KEIM DRIVE
PHOENIX, ARIZONA 85015

JOHN K. PETTY
Consulting Geologist

May 26, 1966

PHONE 274-6000

Mr. John Bannister, Executive Secretary
Oil & Gas Conservation Commission, State of Arizona
Room 202, 1624 W. Adams
Phoenix, Arizona

RE: ELI OIL & GAS DEVELOPMENT COMPANY # 1 HORTENSTINE FEE
660 from S & E lines section 15-T19N-R26E, Apache Co., Arizona

Dear John:

This supercedes the report mailed to you May 25 on your "Sundry Notices and Reports on Wells" form # 25 since I can bring you up to date on daily activities since spudding in on above well and also correct deficiencies noted in your letter to Mr. E. J. Packwood, President of Eli Oil & Gas Development Company.

Since the other report is superflous, I will appreciate your returning it.

Yours truly

ELI OIL & GAS DEVELOPMENT COMPANY

BY

John K. Petty
CONSULTING GEOLOGIST

#352



ED. J. PACKWOOD

516 WEST KALER DRIVE + PHOENIX, ARIZONA 85021

May 27, 1966

ASSOCIATED WITH:
PACKWOOD REALTY & INVESTMENT CO.
DEER VALLEY MEMORIAL GARDENS
TELL DEVELOPMENT CO.
ELI OIL & GAS DEVELOPMENT CO.
PACKWOOD FOUNDATION

Mr. John Bannister, Executive Secretary
Oil & Gas Conservation Commission
Room 202 162h West Adams
Phoenix, Arizona 85007

Dear Mr. Bannister:

With regard to our application for a drilling permit in which we were issued permit no. 352 for the east one-half of the SE $\frac{1}{4}$ Section 15 T19North R26East. Our application was correct in stating this is to be an Oil test. Mr Petty was incorrect in his spudding-in report and I shall ask him to file a corrected report.

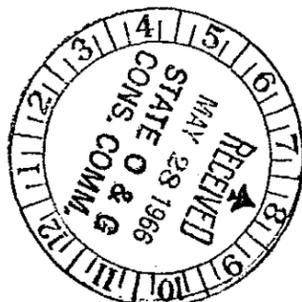
Thank you for all courtesies.

Yours very truly,

Ed. J. Packwood

Ed. J. Packwood, for
Eli Oil & Gas Development Co.

352



May 25, 1966

Eli Oil and Gas Development Company
516 W. Kaler Drive
Phoenix, Arizona

Attention: Mr. E.J. Packwood, President

Re: Eli Oil & Gas Development #1 Hortenstine
SE SE 18-19N-26E, Apache County
Permit 352

New York Underwriters Insurance Company Bond 3293630

Gentlemen:

Enclosed is approved copy of captioned bond covering your
operations on captioned well.

Very truly yours,

John Bannister
Executive Secretary
mr
enc

May 24, 1966

Eli Oil and Gas Development Company
516 W. Kaler Drive
Phoenix, Arizona
Attention: Mr. Ed Packwood

Re: Eli Oil & Gas Development #1 Hortenstine Fee well
SE SE 13-18N-26E, Apache County
Permit 352

Gentlemen:

At the time of issuing Permit 352 covering the captioned well, I was advised that this well was to be an oil test, and consequently the east half of the southeast quarter of Section 15 was dedicated to this well.

On May 24, 1966 Mr. John Petty filed on your behalf a Sundry notice wherein it is stated that this well is a gas well and is being drilled in an unnamed helium field. Consequently, if this well is a gas test, it must have 640 acres dedicated to it.

I notice that you have 640 acres in your Hortenstine fee lease. This entire 640 acres could be dedicated to this well.

If one or the other of your reports is incorrect, I request that you advise me as to the nature of this well, i.e., is it an oil test or is it a gas test?

Further, this permit was issued on May 18, 1966 with the assurance of Mr. E J McKenna representing New York Underwriters Insurance Company, that a bond in the amount of \$5,000 would be forthcoming. To date we have not received a bond nor have we heard further on this.

Will you please take steps to see that this office is furnished with a bond or we will have no other course but to rescind your permit.

This office is willing to cooperate with you in any manner. Please let us hear from you.

Very truly yours,

John Bannister
Executive Secretary
nr

352

May 24, 1966

Mr. John K. Petty
c/o Painted Desert Motel
Navajo, Arizona

Dear John:

This will acknowledge receipt of your report on the E11 Oil and Gas Development well and your request concerning information on the Apache Drilling Company wells.

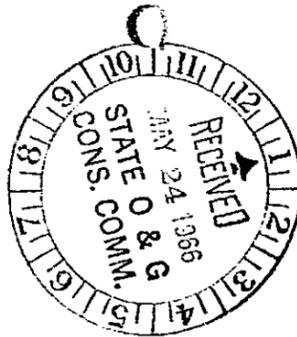
Please be advised that all of the Apache wells are still in confidential status and consequently I am not free to release the information you request. However, I am sure that if you contact Truitt Henderson he will be more than willing to give you the information you need.

Very truly yours,

John Bannister
Executive Secretary
WB

2134 W. KEIM DRIVE
PHOENIX, ARIZONA 85015

JOHN K. PETTY
Consulting Geologist



PHONE 274-6000

Hi

It seems that they'll finish this one pretty fast.
Marge, will you copy the completions (showing perms and frac) especially
on the APACHE DRILLING CO WELLS IN Sections 22, and 23 in T19N-R26E ?
I don't know if they're released but if so I'd like a copy.

Thanks much john

*address it to J —
Painted Desert Motel
Navajo, Ariz*

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