

U. S. LAND OFFICE **Las Cruces**

SERIAL NUMBER **060528**

LEASE OR PERMIT TO PROSPECT

Arnold D

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company **Premier Petroleum Corporation** Address **Artesia, New Mexico**
Lessor or Tract **Arnold D** Field **Grayburg-Jackson** State **New Mexico**
Well No. **3-D** Sec. **27** T. **17** R. **30** Meridian **NMPM** County **Eddy**
Location **660 ft.** {N.} of **N** Line and **198 ft.** {E.} of **W** Line of **Section 30** Elevation **3651**
(Denote floor relative to sea level)

The information given herewith is a complete and correct record of the well and all work done thereon so far as can be determined from all available records.

Signed

Date **April 25, 1944** Title

The summary on this page is for the condition of the well at above date.

Commenced drilling **March 4**, 19**44** Finished drilling **April 25**, 19**44**

OIL OR GAS SANDS OR ZONES
(Denote gas by G)

No. 1, from **1951** to **1992** No. 4, from to
No. 2, from **3155** to **3162** No. 5, from to
No. 3, from **3190** to **3205** No. 6, from to

IMPORTANT WATER SANDS

No. 1, from **385** to No. 3, from to
No. 2, from to No. 4, from to

CASING RECORD

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated		Purpose
							From—	To—	
8-5/8"	220	8	529	Regular	Surface				Surface
7"	207	8	3072	Flow	Production				Production

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8-5/8"	529	50 Sacks	International	Heavy	top to bottom
7"	3072	100 sacks	International	Heavy	top to bottom

PLUGS AND ADAPTERS

Heaving plug—Material Length Depth set
Adapters—Material Size

SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out
4 1/2"	Nitro-Glycerin		50 qts	4/18	3151	
3"	"	"	20 qts	4/18	3166	
2 1/2"	"	"	50 qts	4/18	3188	
2 1/4"	"	"	20 qts	4/18	3191	
5"	"	"	20 qts	4/18	3210	

TOOLS USED

Rotary tools were used from feet to feet, and from feet to feet
Cable tools were used from feet to feet, and from feet to feet

DATES

Put to producing **April 26**, 19**44**

The production for the first 24 hours was **90** barrels of fluid of which % was oil; % emulsion; % water; and % sediment. Gravity, °Bé.

If gas well, cu. ft. per 24 hours Gallons gasoline per 1,000 cu. ft. of gas

Rock pressure, lbs. per sq. in. **50# flowing tubing pressure**

EMPLOYEES

Aubrey F. Smith, Driller **A. E. Early**, Driller
A. E. Lycette, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	80		Red Rock and Gyp
80	155		Red Shale
155	225		Red Bed and Gyp
225	250		Anhydrite
250	260		Red Bed
260	275		Anhydrite
275	320		Gyp
320	380		Gyp
380	385		Sand
385	480		Red Rock
480	1190		Salt
1190	1210		Anhydrite
1210	1375		Anhydrite
1375	1390		Red Shale
1390	1420		Broken Anhydrite
1420	1690		Anhydrite
1690	1725		Broken Anhydrite
1725	1918		Anhydrite
1918	1935		Brown Lime, Show of Oil
1935	2392		Anhydrite
2392	2400		Red Sand
2400	2410		Red Sand
2410	2430		Red Shale
2430	2440		Anhydrite
2440	2555		Lime
2555	2565		Anhydrite
2565	2755		

FORMATION RECORD—CONTINUED

FORMATION RECORD—Continued[illegible]

ACTIVATION RECORD

[illegible]

HISTORY OF OIL OR GAS WELL

It is of the greatest importance to have a complete history of the well. Please state in detail the dates of redrilling, together with the reasons for the work and its results. If there were any changes made in the casing, state fully, and if any casing was "sidetracked," or left in the well, give its size and location. If the well has been dynamited, give date, size, position, and number of shots. If plugs or bridges were put in to test for water, state kind of material used, position, and results of pumping or balling.

[illegible]

SYSTEMS RECOGNITION

MO 31 1901	10	MO 31 1901	10
MO 31 1901	10	MO 31 1901	10

IMBOLYAL AYLER 27/03

NO. 3' LOW	8100	to	8200	NO. 3' LOW	to	8300
NO. 3' LOW	8200	to	8300	NO. 3' LOW	to	8400
NO. 3' LOW	8300	to	8400	NO. 3' LOW	to	8500

OIL OR GAS SANDS OR LONES

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DATE _____ TIME _____

DO NOT BE CONFUSED BY DIFFERENCES FROM THE FOLLOWING:

The information given herewith is a complete and correct record of the well and all work done thereon.

Investigation No. _____ Date of completion _____

Time of day and night _____ Time of day _____

Name of well _____ Location _____

County _____ State _____

City or town _____

Address _____

Company _____

TOP OF OIL ON GAS METER

GEOLOGICAL ZONE A

DEPARTMENT OF THE INTERIOR

UNITED STATES

FEVER OR PERMIT TO PROSPECT --

SECRET NUMBER 10035

U. S. INAD OFFICE 7777 1-10-57