Form 9-330

Bu. d. No. 42-R355.
Approval expires 11-30-46.

COPY

U. S. Land Office Las Cruces
Serial Number 060528
Lease or Permit to Prospect Arnold D

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOCATE WELL CORRECTLY

LOG OF OIL OR GAS WELL

Company Premier Petroleum Corp. Address Artesia, New Mexico

Lessor or Tract Arnold D Field Grayburg-Jackson State New Mexico

Well No. 1-D Sec. 27 T. 17 R. 30 Meridian NMPM County Eddy

Location 1980 ft. {N. / S.} of N Line and 1980 ft. {E. / W.} of W Line of Sec. 27 Elevation 3631 (Derrick 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 August 13, 1943 Title Secretary

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

Commenced drilling May 12, 19 43 Finished drilling August 8, 19 43

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 1925 to 1930 No. 4, from 3311 to 3320 (OS)

No. 2, from 3121 to 3132 (OS) No. 5, from to

No. 3, from 3175 (G) to No. 6, from to

IMPORTANT WATER SANDS

No. 1, from 390 to No. 3, from 3595 to

No. 2, from 3505 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 From—	Perforated To—	Purpose
8¼"				520'					
7"				3063'					

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8¼"	520'	75	International		
7"	3063'	100	International		

FOLD MARK

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
5¼"		Nitro-Glycerin	240	7-19	3210-3160	
5½"		Nitro-Glycerin	300	7-23	3210-3180	
		Solidified	490	7-23	3180-3160	

TOOLS USED

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

Cable tools were used from 0 feet to 3522 feet, and from feet to feet

DATES

, 19 Put to producing 8-8, 1943

The production for the first 24 hours was 15 barrels of fluid of which 100 % 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.

EMPLOYEES

P. F. Johnson, Driller H. W. Dewey, Driller

A. J. Smith, Driller , Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	340		Red Bed
340	395		Gyp
395	435		Red Bed
435	440		Gyp
440	475		Red Bed and Gyp
475	490		Gyps
490	545		Salt
545	550		Red Bed
550	1030		Salt
1030	1035		Anhydrite
1035	1190		Salt
1190	1585		Anhydrite
1585	1623		Broken Anhydrite and Shale
1623	1730		Broken Anhydrite
1730	2127		Anhydrite
2127	2215		Broken Anhydrite
2215	2380		Anhydrite
2380	2402		Red Sand
2402	2544		Anhydrite
2544	2555		Lime
2555	2637		Anhydrite
2637	2656		Pink Sandy Lime
2656	2745		Anhydrite
2745	2755		Brown Sand

(OVER)

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FORMATION RECORD—Continued

FROM—	TO—	TOTAL FEET	FORMATION
755	2790		Anhydrite
790	2802		Broken Anhydrite and Lime
802	3053		Gray Lime
053	3056		Broken Shale
056	3067		Gray Lime
067	3075		Gray and Pink Lime
075	3086		Gray Lime
086	3095		Gray and Pink Lime
095	3102		Gray Lime
102	3113		Gray Brown Sandy Lime
113	3179		Gray Lime
179	3195		Gray and Pink Lime
195	3247		Gray Lime
247	3274		White Lime
274	3284		Gray Lime
284	3300		White Lime
300	3355		Gray Lime
355	3367		Pink Lime
367	3435		Gray Lime
435	3442		White Lime
442	3622		Gray Lime

Hole plugged back to 3210 — TOTAL DEPTH

HISTORY OF OIL OR GAS WELL

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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 bailing.