Form 9-330

COPY

Budget Bureau No. 42-R355.
Approval expires 11-30-46.

U. S. Land Office Las Cruces
Serial Number LC 060528-D
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 Box 416, Loco Hills, New Mexico
Lessor or Tract Arnold D Field Fren Pool State New Mexico
Well No. 4-D Sec. 27 T. 17S R. 30E Meridian NMPM County Eddy
Location 330 ft. {N./S.} of N Line and 2310 ft. {E./W.} of W Line of Section 27 Elevation 3628'
(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 R. J. Heard (Sig.)
Date May 31, 1946 Title Vice President

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

Commenced drilling May 4, 1946, 19____ Finished drilling May 30, 1946, 19____

OIL OR GAS SANDS OR ZONES

(*Denote gas by G*)

No. 1, from Gas 1374 to ____ No. 4, from SSO 1922 to 1943
No. 2, from SSO 1786 to 1795 No. 5, from TP 1953 to ____
No. 3, from SSO 1830 to 1836 No. 6, from ____ to ____

IMPORTANT WATER SANDS

No. 1, from 294 to 300 No. 3, from Seep 1805 to ____
No. 2, from 385 to 390 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
8-5/8"	24#	8rd	Used	494'	Guide				Salt String
7"	20#	8rd	New	1851'	Bull Plug				Oil String

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8-5/8"	494	75	Halliburton		40
7"	1851v	100	Halliburton		40

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
		Nitroglycerin	400 qts	5/27/46	1920	2005'

TOOLS USED

Rotary tools were used from ____ feet to ____ feet, and from ____ feet to ____ feet
Cable tools were used from 0 feet to 2011' feet, and from ____ feet to ____ feet

DATES

____, 19____ Put to producing June 1, 1946, 19____

The production for the first 24 hours was 49 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. ____

EMPLOYEES

H. H. McDonald, Driller E. A. Sample, Driller
Don T. Thorp, Driller ____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	10		Surface
10	50		Red Sand
50	75		Red Mud
75	135		Red Bed
135	294		Red Sand and Red Mud
294	300		Red Sand and a little water
300	385		Gyp and Anhydrite
385	390		Red Sand and more water
390	420		Red Bed
420	435		Gyp
435	450		Anhydrite
450	550		Salt
550	625		Salt and Anhydrite
625	705		Salt and shells
705	1000		Salt
1000	1025		Anhydrite and Potash
1025	1085		Red Bed and Salt
1085	1080		Salt and Anhydrite
1080	1180		Salt
1180	1230		Anhydrite
1230	1239		Red Bed
1239	1374		Anhydrite
1374	1379		Sand
1379	1395		Broken Anhydrite
1395	1600		Broken Anhydrite and Red Shale
1600	1630		Anhydrite and Pink Mud

16—43094-1

FOLD MARK

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FORMATION RECORD—Continued

FROM—	TO—	TOTAL FEET	FORMATION
1630	1665		Broken Anhydrite
1665	1705		Broken Anhydrite and Red Shale
1705	1740		Anhydrite and Lime Stringers
1740	1775		Anhydrite
1775	1830		Broken Anhydrite and Brown Lime
1830	1836		Brown Lime
1836	1850		Anhydrite
1850	1855		Brown Lime
1855	1880		Brown Lime and Anhydrite Stringers
1880	1887		Anhydrite
1887	1893		Gray Lime
1893	1900		Broken Lime
1900	1912		Brown Lime and Anhydrite, broken
1912	1926		Lime, Broken
1926	1932		Oil Show
1932	1943		Lime, dark brown
1943	1953		Gray Lime
1953	1965		Anhydrite and gray lime
1965	2005		Gray Lime
2005	2011		Lime and Anhydrite
2011			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.