

R-36-E

S. LAND OFFICE Las Cruces, N. M.

SERIAL NUMBER 046164 (B)

LEASE OR PERMIT TO PROSPECT

Federal "D" Lse.

UNITED STATES

DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company Amerado Petroleum Corporation Address Drawer D - Monument, New Mexico
Lessor or Tract Richard P. Lohmeyer Field West End Area State New Mexico
Well No. 1 Sec. 26 T. 20 R. 8 Meridian N.M.P. County Lea
Location 1980 ft. N of S Line and 660 ft. E of W Line of Section 26 Elevation 3582' D.F.
(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 W. J. BotkinDate July 20, 1954 Title Foreman

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

Commenced drilling June 21, 1954 Finished drilling July 2, 1954

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 3826 to 3975 No. 4, from 3826 to 3910No. 2, from 3826 to 3975 No. 5, from 3826 to 3910No. 3, from 3826 to 3975 No. 6, from 3826 to 3910

IMPORTANT WATER SANDS

No. 1, from None to 3975 No. 3, from 3826 to 3910No. 2, from 3826 to 3975 No. 4, from 3826 to 3910

CASING RECORD

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated		Purpose
							From—	To—	
9-5/8"	36	8RT	Nat'l	321'	Guide	None	3826	3910	and
7"	27	8RT	Nat'l	199'	Blow	None	3910	3975	production
PERFORATION OF OIL OR GAS SANDS									

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
9-5/8"	37'	300	Halliburton		
7"	4145'	800	Halliburton		

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
Acidized 7" csg. perforations 3826' - 3910' & 3922' to 3975' w/500 gals. 15% LST acid each. Sand-oiled 7" csg. perforations 3826' to 3910' with 6000 gallons oil & 6000 # sand.						

TOOLS USED

Rotary tools were used from 0 feet to 4145' feet, and from _____ feet to _____ feet

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

DATES

_____, 19____ Put to producing July 29, 1954The production for the first 24 hours was 455.98 barrels of fluid of which 99.8% was oil; 0% emulsion; 0% water; and .2% sediment. Gravity, °Bé. 34.6 deg. corrected

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

Rock pressure, lbs. per sq. in. _____

EMPLOYEES

_____, Driller W. J. Botkin, Driller_____, Driller J. J. Scarbrough, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0'	6'	6'	Cellar
6'	1465'	1459'	Red Bed
1465'	1572'	107'	Anhydrite
1572'	2847'	1275'	Anhydrite, Salt, Sand & Shale
2847'	3006'	159'	Anhydrite
3006'	4107'	1101'	Dolomite, Sand, & Anhydrite
4107'	4145'	38'	Dolomite

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Summary of completions:

Drilled to 4145' T.D., 7" OD casing was set at 4115' with 800 sacks cement. Perforated 7" OD casing 4027' to 4063', acidized & sand-oiled, proved to be commercially unproductive. Set Baker Model "K" Retainer at 3980' and squeezed above perforations with 1000 sacks regular cement.

LOCATE WELL CORRECTLY

Perforated 7" OD casing 3826' to 3910' W/336 bullet shots. Acidized w/500 gal. 15% HF acid and sand-oiled w/6000 gal. 4000 lbs. sand. Swabbed 1 hr. & well started flowing. Flowed 440.18 bbls. oil, no water, in 12 hrs. on 1" open choke; gty. 36.2 corrected.

Perforated 7" OD casing 3922 to 3975' W/212 bullet shots. Acidized w/500 gal. 15% HF acid and sand-oiled w/6000 gal. 4000 lbs. sand. Swabbed 1 hr. & well started flowing. Flowed 440.18 bbls. oil, no water, in 12 hrs. on 1" open choke; gty. 36.2 corrected.

Perforated 7" OD casing 3922 to 3975' W/212 bullet shots. Acidized w/500 gal. 15% HF acid and sand-oiled w/6000 gal. 4000 lbs. sand. Swabbed 1 hr. & well started flowing. Flowed 440.18 bbls. oil, no water, in 12 hrs. on 1" open choke; gty. 36.2 corrected.

Drilled & pushed junk to 3974'. Pull & rerun tubing to re-test 7" casing perforations 3826' to 3910' & 3922' to 3975'. Swabbed 1 hr. & well started flowing. Flowed 440.18 bbls. oil, no water, in 12 hrs. on 1" open choke; gty. 36.2 corrected.

Flowed 465.00 bbls. oil, .98 bbls. BS in 16 hrs. on 32/64" choke. TD 200' Gas Vol. 942.00 cfd. GOR - 1352, Gty. 34.6 corrected, 24 hr. rate - 697.00 bbls oil. Well completed July 29, 1954.

CASING RECORD

Size casing, in.	Weight, lbs. per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated from - To -	Purpose
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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 balling.

HISTORY OF OIL OR GAS WELL

MUDDING AND CEMENTING RECORD

Material	Amount	Remarks
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PLUGS AND ADAPTERS

Depth set	Remarks
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SHOOTING RECORD

Shot used	Explosive used	Quantity	Date	Depth shot	Depth cleared out
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TOOLS USED

Tool	From	To
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DATES

Date	Remarks
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The formation for the first 24 hours was ... of water and ... of sediment. It was ... of water and ... of sediment. Rock pressure, lbs. per sq. in. ... of water and ... of sediment.

EMPLOYEES

Name	Position
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FORMATION RECORD

Formation	Depth
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Formation	Depth	Remarks
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