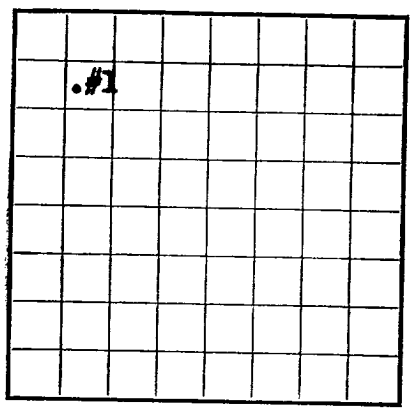
Form 9-330

Budget Bureau No. 42-R-355.3.
Approval expires 12-31-55.

U. S. LAND OFFICE Las Cruces
SERIAL NUMBER 030176 (b)
LEASE OR PERMIT TO PROSPECT



LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company Amerada Petroleum Corporation Address Box 706, Eunice, New Mexico
Lessor or Tract G. G. Cable ~~ICE~~ #1 Field Langlie-Mattix State New Mexico
Well No. 1 Sec. 3 T. 22-S R. 37-E Meridian County Lea
Location 990' ft. from N line and 990' ft. from W line of Sec. 3 Elevation 3004' (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 [illegible]

Date May 25, 1956 Title Foreman

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

Commenced drilling 5-2-56, 19 Finished drilling 5-10-56, 19

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 2638' to 2950' (O) No. 4, from to
No. 2, from 3164' to 3196' No. 5, from to
No. 3, from to No. 6, from to

IMPORTANT WATER SANDS

No. 1, from 498' to [illegible] 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 From	Perforated To	Purpose
8-5/8"	28	8	J&L	227'	[illegible]	—	—	—	Surface csg.
5½"	15.5	8	J&L	3314'	[illegible]	—	2638'	3196'	Oil string
							2748'	2830'	
							2838'	2860'	
							2885'	2910'	

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
5½"	3314'	500	—	—	—

PLUGS AND ADAPTERS

Heaving plug—Material NONE Length Depth set
Adapters—Material Size

SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out
		NONE				

TOOLS USED

Rotary tools were used from 0' feet to 3526' feet, and from feet to feet
Cable tools were used from feet to feet, and from feet to feet

DATES

5-6-56, 19 Put to producing 5-25-56, 19

The production for the first 24 hours was 20 barrels of fluid of which 83 % was oil; ~~17~~ % emulsion; 17 % 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.

on 6-6-56 is a gas well.

EMPLOYEES

, Driller , Driller
, Driller , Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
Cellar	926'	926'	Red Bed
926'	1046'	120'	Anhydrite
1046'	2481'	1435'	Salt, shale & anhydrite
2481'	2638'	157'	Anhydrite and dolomite
2638'	2950'	312'	Sand & dolomite
2950'	3090'	140'	Dolomite
3090'	3314'	224'	Dolomite & sand

GEOLOGICAL TOPS

920' - Top of Anhydrite
1030' - Top of Salt
2478' - Base of Salt
2638' - Top of Yates
2830' - Base of Yates
3270' - Top of Stuart

FORMATION RECORD—Continued

FOLD | MARK

FROM—	TO—	TOTAL FEET	FORMATION

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 bailing or bailing.

Moved in Rig, McQueen & Stout 3-2-56 - Drilled out cement plugs from surface to 3327'. Set 83 Jts. of 5½" Casing @ 3314' - Ran Gamma ray & Neutron logs - Rig up Welex & Perf. 5½" casing from 3268'-3298' - Acidized w/500 gallons acid & sandfill above perf. w/ 25,000 gal. of oil & 25,000# sand- Squeezed 5½" casing perf. 3268'-3298' w/300 sx. of Neat cement - Ran HRC squeeze tool - Welex perf. 5½" casing from 3235'-3278' w/172 Jet shots & acidized from 3235'-3278' w/500 gal. of 15% LST Acid.- Howco Squeeze 5½" Casing perf. from 3235'-3278' w/150 sx. Neat cement.- Welex perf. 5½" casing from 3230' to 3250' w/80 Jet shots & acidized perf. w/500 gal. of 15% LST acid & sandoiled 5½" csg. perf. 3230'-3250' w/6000 gal. oil & 6,000# sand - Ran Retrievable bridge plug set @ 3215' & perf. 5½" casing from 3165'-3195' w/4 shots per ft. total 120 shots- Sandoiled 5½" csg. perf. 3165'-3195' down 2-3/8" tubing & 5½" casing w/20,000 gal. of oil & 20,000# sand and swabbed well in. Pulled blank plug & ran sleeve separation sleeve.

Gas Zone :- Killed well pulled Retrievable bridge plug - perf. 5½" csg. from 2680'-2735', 2748'-2830', 2838'-2860', 2885'-2940' w/856 Welex Jet shots - Ran in hole w/ straddle packers on 2-3/8" tubing set @ 2870' & 2997' w/perf. 2993'-2996' & acidized w/500 gal. of Howco 15% LTNE Acid (perf. 2885'-2940') - Re-set packers @ 2711'-2868' w/perf. 2864'-2867' & acidized 5½" csg. perf. from 2748'-2830' & 2838'-2860' w/500 gal. of Howco 15% LTNE Acid- Re-set packers @ 2614' & 2718' w/ perf. 2737'-2740' Acidized 5½" from 2680'-2735' w/500 gal. acid - Trip out w/ packers & ran 2-3/8" tubing set open ended w/cross pin @ 3243'- Brown Duo-packer @ 2990' & PSI Nipple w/treating & circ. valve @ 2989'.- Sandoiled 5½" casing perf. from 2680'-2735', 2748'-2830', 2838'-2860', & 2885'-2940' down 2-3/8" tubing & 5½" casing w/20,000 gal. of oil, & 20,000# sand & swabbed well in. Test after completed.- "T" Flowed 17 bbls oil 3 bbls water in 24 hrs on 3/4" choke w/tubing press. 235#, Gas volume 1,795,000 cu ft gas p/d. GOR 105,656. "C" Flowed 15 bbls oil & 8 bbls water in 24 hrs on 3/4" choke w/casing press. 325#, Gas volume 3,493,000 cu ft gas p/d. GOR 228,537.- Will produce oil from Lower seven rivers, Langlie Mattix pool thru tubing and gas from Lower-Upper seven rivers thru casing.

Well Dual completed 3-21-56.

Note: Reason for Squeeze Jobs is 100% water.

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GEOLOGICAL SURVEY

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UNITED STATES

LEASE OR PERMIT TO PROSPECT

PERMIT NUMBER

U. S. LAND OFFICE

Form 9-331a
(Feb. 1951)
(Submit in triplicate)
Budget Bureau No. 42-R356.5.
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