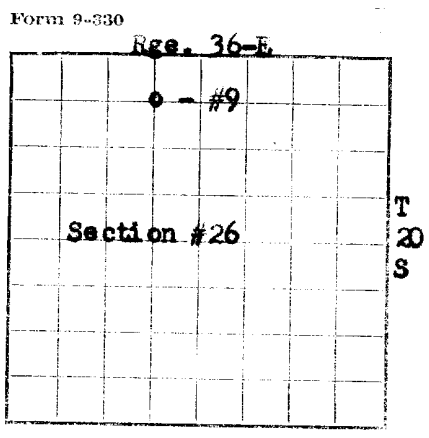
Form 9-330

Budget Bureau No. 42-R355.2.
Approval expires 12-31-52.

U. S. LAND OFFICE Las Cruces, N.
SERIAL NUMBER 046164 (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 Drawer D - Monument, New Mexico
Lessor or Tract Federal "D" Lease Field Eumont State New Mexico
Well No. 9 Sec. #26 T-20-S R-36-E Meridian N.M.P. County Lea
Location 660 ft. ~~N.~~ S. of N Line and 1980 ft. ~~E.~~ W. of E Line of 26 Elevation 3578'
(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 [signature]
Date May 11, 1955 Title Foreman

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

Commenced drilling April 11, 1955, Finished drilling April 21, 1955

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 3870' to 3910' No. 4, from to
No. 2, from to No. 5, from to
No. 3, from to No. 6, from to

IMPORTANT WATER SANDS

No. 1, from None 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 From	Perforated To	Purpose
8-5/8"	32#	8R		1368'	Float				
5-1/2"	15.5#	8R		3858'	Float		3870'	to 3910'	Oil Production

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8-5/8"	1385'	900	Halliburton		
5-1/2"	3975'	800	Halliburton		

PLUGS AND ADAPTERS

Heaving plug—Material Length Depth set
Adapters—Material Size

Acidizing & Fracturing ~~SHOOTING~~ RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out
~~Acidized 7-7/8" open hole from 3870' to 3910' w/1000 gallons 15% LST Acid. Sand-oiled 7-7/8" open hole from 3870' to 3910' w/25,000 gals. oil and 25,000 lbs. sand.~~						

TOOLS USED

Rotary tools were used from 0 feet to 3910' feet, and from feet to feet
Cable tools were used from feet to feet, and from feet to feet

DATES

, 19 Put to producing April 21, 1955

The production for the first 24 hours was 391.68 barrels of fluid of which 65 % was oil; % emulsion; 35 % water; and % sediment. Gravity, °Bé. 29.5

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

Rock pressure, lbs. per sq. in.

EMPLOYEES

W.E. Morphis, Driller H. L. Brigman, Driller
T.L. Henson, Driller , Driller

FORMATION RECORD

FROM-	TO-	TOTAL FEET	FORMATION
0'	6'	6'	Cellar
6'	1354'	1348'	Red Bed
1354'	1460'	106'	Anhydrite
1460'	2745'	1285'	Salt, Anhydrite & shale
2745'	2898'	153'	Anhydrite & Shale
2898'	3040'	142'	Anhydrite, sand & shale
3040'	3693'	653'	Dolomite, Anhydrite & sand.
3693'	3910'	217'	Dolomite & sand
	3910'		Total depth.

SCHLUMBERGER TOPS

Anhydrite	1354'
Salt	1460'
Base Salte	2745'
Yates	2898'
Seven Rivers	3194'
Queen	3693'
Penrose	3857'

NOTE: All the above formation data obtained from our Geological Department.

FROM- TO- TOTAL FEET FORMATION

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FORMATION RECORD—Continued

FORMATION RECORD—Continued

FROM—	TO—	TOTAL FEET	FORMATION
0	0	0	Surface
0	1451	1451	Red Bed
1451	1500	50	Anhydrite
1500	1512	12	Salt, anhydrite & shale
1512	1583	71	Anhydrite & shale
1583	1600	17	Anhydrite, salt & shale
1600	1660	60	Anhydrite, dolomite & sand
1660	1710	50	Dolomite & sand
1710	1750		Total Depth

DRILL STEM TESTS

		1321	Anhydrite
		1350	Top
		1375	Base Anhydrite
		1386	Sand
		1415	Sand & Shale
		1550	Sand
		1646	Sand

Not enough information data available to determine if there was any sand or shale

CORING RECORD

DATE

CASING RECORD

DATE

SHOOTING RECORD

DATE

ACIDIZING RECORD

DATE

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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 bailing.

WELL HISTORY

Spudded 12-1/4" hole at 11:45 AM, 4-11-55. Finished drilling 12-1/4" hole to 1389' at 5:30 PM, 4-13-55. Ran 33 joints 8-5/8" OD casing set at 1385' and cemented with 900 sacks. Started drilling 7-7/8" hole with gas from 1389' at 11:45 AM, 4-15-55. Drilled with gas to 3755'. Drilled with mud from 3755' to 3910'. Ran Schlumberger Electric Log from 1385' to 3910'; Gamma Ray from surface to 3910'; Detail and Microlog from 2850' to 3910'; Caliper Survey from 1385' to 3910'. Ran 92 joints 5-1/2" OD casing set at 3870'. and cemented with 800 sacks. Cement circulated. Ran 2" EUE Tubing set at 3906', 4-21-55. Acidized 7-7/8" open hole from 3870' to 3910' with 1000 gallons 15% LST Acid. Sand-oiled open hole from 3870' to 3910' with 25,000 gallons oil and 25,000 lbs. of sand. Rig released and started tearing down at 12 noon, 4-21-55.

COMPLETION REPORT

Flowed 254.59 bbls. oil and 137.09 bbls water in 24 hours on 1" choke based on 81.61 bbls fluid; 35% water in 5 hours; T.P. 40#; C.P. 600#; gas volume 10,289 cfgd; GOR 40; gravity 29.5 corrected. Completed 4-21-55.

DEVIATION SURVEYS

527' - 1/4 deg., 1089' - 3/4 deg., 1625' - 1/2 deg., 2254' - 3/4 deg.
2856' - 3 deg., 3182' - 2-1/4 deg., 3599' - 1-1/4 deg., 3891' - 1-1/2 deg.