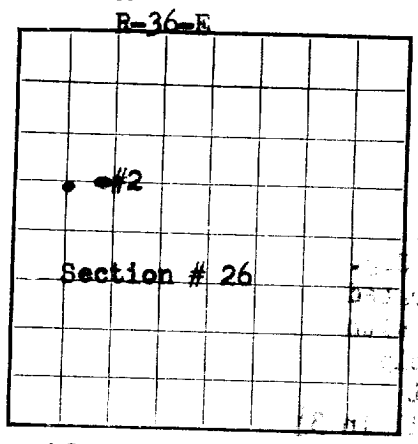
Form 9-330

...et Bureau No. 42-R-355.3.
...oval expires 12-31-55.

R-36-E



T 20 S

LOCATE WELL CORRECTLY

U. S. LAND OFFICE Las Cruces, N. Mex.
SERIAL NUMBER 046164 (B)
LEASE OR PERMIT TO PROSPECT Federal "D"

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" Field West Eunice Area State New Mexico
Well No. 2 Sec. 26 T. 20-S R. 36-E Meridian N.M.P.M. County Lea
Location 1980 ft. {N./S.} of N Line and 660 ft. {E./W.} of W Line of Section # 26 Elevation 3581 DF
(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 August 24, 1954 Title Foreman

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

Commenced drilling 7-30-54, 19.... Finished drilling 8-16-54, 19....

OIL OR GAS SANDS OR ZONES

(*Denote gas by G*)

No. 1, from 3804' to 3964' 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
9-5/8"	36#	8RT		301'	Guide				
7"	23#	8RT		3975'	Float		3804'	3898'	
							3910'	3964'	Production

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
9-5/8"	317'	30	BJ Service		
7"	3990'	800	Halliburton		

PLUGS AND ADAPTERS

Heaving plug—Material ... Length ... Depth set ...
Adapters—Material ... Size ...

ACID & FRACTURE — SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out
Acidized 7" OD Casing Perforations 3804'-3898'; and 3910'-3964' w/1000 gal. 15% LST Acid. Sand Oiled some perforations w/20,000 gal. oil and 22,500# sand.						

TOOLS USED

Rotary tools were used from 0' feet to 3990' feet, and from ... feet to ... feet
Cable tools were used from ... feet to ... feet, and from ... feet to ... feet

DATES

..., 19.... Put to producing August 21, 19 54

The production for the first 24 hours was 320.64 barrels of fluid of which 98.5 % was oil; .5 % emulsion; 1 % water; and ... % sediment.

Gravity, °Bé. ...

If gas well, cu. ft. per 24 hours ... Gallons gasoline per 1,000 cu. ft. of gas 32.8 corrected

Rock pressure, lbs. per sq. in. ...

EMPLOYEES

C.F. Keel, Driller H.F. Gray, Driller
W.J. Botkin, Driller ..., Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0'	6'	6'	Cellar
6'	1450'	1444'	Red Bed
1450'	1560'	110'	Anhydrite
1560'	2825'	1265'	Anhydrite, Salt, Shale
2825'	2982'	157'	Anhydrite, Shale
2982'	3126'	144'	Anhydrite, Sand, Shale
3126'	3296'	170'	Anhydrite, Lime, Sand
3296'	3990'	694'	Sand, Lime
	3990'		Total Depth

16—43094-3

FOLD | MARK

Summary:

Drilled to 3990' TD. Ran Schlumberger Electric Log, Gamma Ray, Detail and Microlog. Ran 129 Jts. 7" OD Csg. set at 3990' W/800 sx. Drilled out to 3982'. Perforated 7" OD Casing from 3804' to 3898' and 3910' to 3964' with 592 McCullough Bullets. Acidized each zone separately with 500 gals. Chemical Process 15% LST Acid. Reset tubing with packer at 3778'. Swabbed 29.06 bbls. oil in 3½ hrs. and swabbed dry. Pulled tubing and sand-oiled down 7" OD casing through perfs. 3804' to 3898' and 3910' to 3964' W/20,000 gals. Famariss 24 gty oil and 22,500 lbs. sand. Flowed 116.86 bbls. load oil in 4 hrs. Loaded hole with 110 bbls. Famariss 24 gty oil. Flowed 66.65 bbls. load oil in 2 hrs. Started running tubing with casing flowing. Ran 123 jts. 2-7/8" OD EUE Tubing set at 3975'; seating nipple at 3938'; KV-30 Packer set at 3748'. Swabbed and flowed 206.00 bbls. oil and 1.20 bbls. BS&Sand in 18 hours; gas volume TSTM; gty 32.8 corr.

Rig released and started tearing down at 6AM, 8-22-54.

Flowed 26.16 bbls. oil in 2½ hrs. on 3/4" choke; TP 75#;

Completion Test:

Flowed 53.44 bbls. oil, .28 bbls. BS and .53 bbls. Acid water in 4 hours on 3/4" choke; TP 50#; gas volume 396,632 cfpd; GOR 1237; gty 32.8 corrected; 24 hr. rate: 320.64 bbls. oil. Well completed 8-21-54.