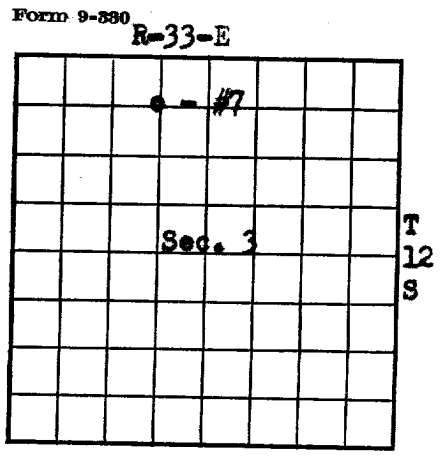
Budget Bureau No. 42-R355.1.
Approval expires 11-30-49.

FORM 9-330

R-33-E



LOCATE WELL CORRECTLY

U. S. LAND OFFICE Las Cruces, N.M.
SERIAL NUMBER 060581
LEASE OR PERMIT TO PROSPECT J.T. Caudle Lease

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 J. T. Caudle Lease Field Bagley-Pennsylvan State New Mexico
Well No. 7 Sec. 3 T 12-S R. 33-E Meridian N.M.P. County Lea
Location 660 ft. {N./S.} of N Line and 1980 ft. {E./W.} of W Line of Section 3 Elevation 4264 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 D. W. Hopper

Date March 7, 1952 Title Assistant District Superintende

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

Commenced drilling 12/13/51, 19.. Finished drilling 2/23/52, 19..

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 8950 to 9089' 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 ... 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
13-3/8	36#	S.J.	Weld	280	Guide				
8-5/8	24#-32#	8-RT	Smls	3765	Float				
5-1/2	15.5# & 17#	8-RT	Smls	9938	Float		9081	9089	Production

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
13-3/8	298	225	Halliburton		
8-5/8	3775	1500	Halliburton		
5-1/2	9952	600	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
			None			

TOOLS USED

Rotary tools were used from 0 feet to 9952 feet, and from ... feet to ... feet
Cable tools were used from ... feet to ... feet, and from ... feet to ... feet

DATES

March 7, 1952, 19.. Put to producing February 29, 1952, 19..

The production for the first 24 hours was 560.30 barrels of fluid of which 97.79 % was oil; ... % emulsion; 1.40% water; and .81% sediment.

Gravity, °Bé. 44.7

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

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

EMPLOYEES

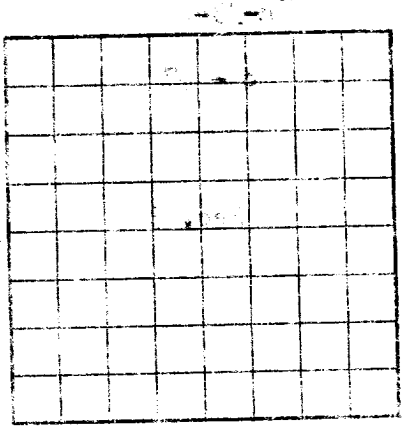
J. N. Grisham, Driller C. E. House, Driller
T. H. Dooley, Driller ..., Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	6	6	Cellar
6	215	209	Sand, Caliche and Lime
215	1600	1385	Red Bed, Sand and Shale
1600	1680	80	Shale and Sand
1680	1790	110	Anhydrite, Shale and Sand
1790	2430	640	Shale, Anhydrite and Salt
2430	3700	1270	Shale, Anhydrite, Salt and Sand
3700	4480	780	Dolomite and Anhydrite
4480	4890	410	Limestone
4890	5200	310	Dolomite and Anhydrite
5200	5390	190	Dolomite, Limestone, Anhydrite and Salt
5390	7230	1840	Dolomite, Anhydrite and Salt.
7230	8300	1070	Shale, Dolomite and Anhydrite
8300	8360	60	Dolomite and Anhydrite
8360	8480	120	Chert, Dolomite and Anhydrite
8480	8570	90	Limestone and Chert
8570	9952	1382	Limestone, Trace Chert & Trace Shale
	9952		Total Depth
	9945		Drilled out Depth.

(OVER)

FOLD | MARK



LOCATE WELL CORRECTLY

GEOLOGICAL DATA

Top Anhydrite	1669
Top Salt	1732
Base Salt	2348
Top Yates	2440
Base Yates	2560
Top Artesia Red Sand	3172
Top San Andres	5140
Base San Andres	5108
Top Paddock	5404
Top Glearfork	5885
Top Abo	7250
Top Wolfcamp	8360
Top Pennsylvanian	8602
Elevation	4264'

SLOPE TESTS

350'	-1/2 deg.
2220'	-1/2
2531	-1/4
3649	-3/4
4310	-2/4
4618	-1/4
5134	-1/4
5717	-3/4
6105	-1/2
6700	1-1/4
7053	1-1/4
7584	1-
7790	1-
8019	1-1/2
8285	1-
8411	-1/2
8589	1-
9400	1-1/2

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 "abandoned" 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.

HISTORY OF OIL OR GAS WELL

DRILL STEM TESTS

D.S.T. #1 - From 8585' to 8665' - 4 hour Test - Opened tool with gas up in 3 minutes, Mud up i in 8 minutes, distillate up in 10 minutes. Flowed 39.62 bbl distillate, .36 bbl B.S. in 4 hours. Gas Vol. 6,965,000 cu ft p/d. Gty 66 corrected. Bled down 3.45 bbl distillate. Recovered 20' Distillate.

D.S.T. #2 - From 8994' to 9065' - 4 hour Test - Opened tool, had gas up in 5 minutes - No fluid to surface. Gas Vol. 639,230 cu ft p/d. Recovered 660' heavy gas and oil cut drlg mud.

D.S.T. #3 - From 9065' to 9100' - 4 hour & 15 minute Test - Opened tool, with gas up in 3 minutes, mud up in 7 minutes, oil & salt water up in 10 minutes. Flowed 88.76 bbl oil, .04 bbl B.S. & 57.48 bbl salt water in 4 hours. Gas Vol. 5,356,240 cu ft p/d. Gty 54.8 corrected. Recovered 570' oil and 270' salt water.

D.S.T. #4 - From 9199' to 9349' - 5 hour & 15 minute Test - Opened tool with fair blow of air. Gas up in 4 minutes, mud up in 1 hour and 6 minutes, oil & water up in 1 hour and 11 minutes. Flowed 33.50 bbl oil, 59.55 bbl water in 4 hours. Gas Vol. 460,000 cu ft p/d. Gty 47.4 corrected. Recovered 1530' salt water, slightly gas cut.

D.S.T. #5 - From 9768' to 9892' - 4 hour Test - Opened tool with good blow of air. Gas up in 4 minutes. No fluid to surface. Gas Vol. 1,064,000 cu ft p/d. Recovered 140' distillate, 540' drlg mud cut 25% distillate

FORMATION RECORD—Continued

FROM—	TO—	TOTAL FEET	FORMATION