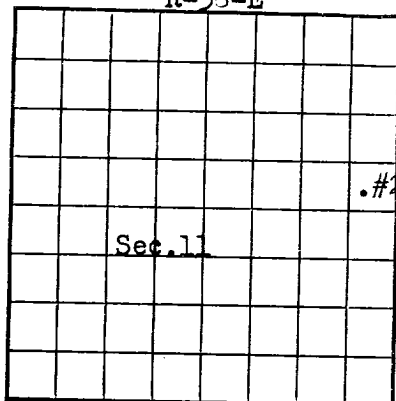


R-38-E



HOBBS

U. S. LAND OFFICE Las Cruces

SERIAL NUMBER 064605

HOBBS OFFICE 000
PERMIT TO PROSPECT
Federal "B" LeaseUNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company Amerada Petroleum Corporation Address Drawer 317 - Seminole, Texas
Lessor or Tract Federal "B" Field Bronco-Siluro Devonian
Well No. 2 Sec. 11 T. 13-SR. 38-E Meridian N.M.P.M. County Lea
Location 1983 ft. (N) of N. Line and 548.4 ft. (W) of E. Line of Section 11 Elevation 3810'
(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. H. Duneag

Date December 31, 1959

Title District Superintendent

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

Commenced Deepening drilling October 19, 1959 Finished Deepening drilling December 3, 1959

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 11,044' to 11,070' No. 4, from to
No. 2, from 11,802' to 11,850' 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		Purpose
							From--	To--	
13-3/8	36#	Welded	Armco	300'	Armco Casing				
9-5/8	36# & 40#	8RD	N80 & J55	4520'	Baker Float				
7	23-26 & 29#	8RD	N80	9638'	Hall Guide				
		S-Tite							
5-1/2	20#	8RD	N80	2418'	Baker Float	11044	11070		Miss. Zone
Liner Set from 9334' to 11,802'									

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
13-3/8	318'	400 sx.	Halliburton		
9-5/8	4536'	1300 sx.	Halliburton		
7	9652'	500 sx.	Halliburton		
5-1/2	Liner-9334' to 11,802'	- Top 200 sx. - Btm. 100 sx. -	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

TOOLS USED

Rotary tools were used from 0' feet to 11,350' feet, and from feet to feet
Cable tools were used from feet to feet, and from feet to feet

DATES

December 31, 1959 Put to producing See Reverse Side, 19

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

EMPLOYEES

T. L. Henson, Driller V. N. Worley, Driller
W. E. Morphis, Driller

FORMATION RECORD

FROM--	TO--	TOTAL FEET	FORMATION
0	18	18	Cellar
18	290	272	Sand & Surface Rock
290	1400	1110	Red Bed
1400	1900	500	Red Bed & Anhydrite
1900	4500	2600	Anhydrite
4500	9823	5323	Lime
9823	9979	156	Lime & Shale
9979	10196	217	Lime
10196	10331	135	Lime & Chert
10331	10426	95	Lime
10426	10623	197	Lime & Chert
10623	10994	371	Lime & Shale
10994	11039	95	Lime
11039	11359	270	Lime & Chert
11359	11446	87	Lime & Shale
11446	11646	200	Lime & Chert
11646	11730	34	Lime & Shale
11730	11850	120	Lime
	11850		Total Depth

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.

This well was originally drilled to 9660', and plugged back to 9647', and completed in the Wolfcamp Zone with casing perforations from 9443' to 9592'. The well was drilled out to a total depth of 11,850' with 5-1/2" OD liner set from 9334' (Top cemented with 200-sx. cement) to 11,802' (Bottom cement with 100 sx. cement). It was dual completed in the Devonian Zone with open hole from 11,802' to 11,850' and the Mississippian Zone with casing perforations from 11,044' to 11,070'.

COMPLETION DATA:

Husky Guns, Inc. perforated 5-1/2" OD liner from 11,044' to 11,070' with 2-19 gram Casing Jet shots per foot, total of 52 shots. Acidized 5-1/2" OD liner perforations from 11,044' to 11,070' with 500 gals. Halliburton 15% MCA Acid. Ran 273 fts. 2-3/3" OD EUE Spangseal tubing & 36 fts. 2-1/16" OD Hydrill tubing set @ 11,052' (2-3/3" OD EUE Spangseal tubing set from 0' to 3273' & 2-1/16" OD Hydrill tubing set from 3273' to 11,052').

POTENTIAL TEST: Flowed 248.23 Bbls. oil & 0 Bbls. water in 18 hrs. on 24/64" choke. TP 190#, Gas Vol. 188.12 MCFPD, GOR 753, Gravity 47.9 Cor.

DEVONIAN ZONE:

Acidized open hole from 11,802' to 11,850' with 500 gals. Halliburton 15% MCA Acid. Ran 277 fts. 2-3/8" OD EUE Spangseal tubing & 104 fts. 2-1/16" OD Hydrill tubing. Set @ 11,832'. Baker Model "M" production packer set @ 11,625'. (2-3/8" OD EUE Spangseal tubing set from 0' to 3474' & 2-1/16" OD Hydrill tubing set from 3474' to 11,832').

POTENTIAL TEST: Flowed 368.71 Bbls. oil & 0 Bbls. water in 15 hrs. on 3/4" choke. TP 430#, Gas Vol. 158.4 MCFPD, GOR 269, Gravity 42.9 Cor.

HISTORY OF OIL OR GAS WELL		
9262	1-3/4	1-2
9305	1-1/2	1-2
9380	3/4	3/4
9490	2	
9550	2	
10030	2-1/4	1-4
10307	5-1/2	1-4
10375	6	1-2
10426	6	1-2
10505	6	1-2
10596	6	1-2
10620	6	1-2
10644	5-3/4	1-4
10665	5-1/4	1
10667	5-1/2	1-1/4
10700	5	1-1/2
10759	4	3/4
10800	3	1-2
10830	3	3/4
10895	2-1/4	1-2
11000	2	3/4
11125	3	3/4
11176	2-3/4	1
11280	2-1/2	3/4
11335	2-1/4	3/4
11400	1/2	1-1/4
11640	2-1/2	1-1/4
11760	3	1
6815	1	
6965	3/4	
7100	1	
7210	1	
7365	1-3/4	
7550	1-1/4	
7690	1-1/4	
7810	1-1/2	
8010	1-1/2	
8200	1-3/4	
8330	1-1/2	
8455	1-1/2	
8715	2	
8800	1-3/4	
8870	1-3/4	
8930	1-3/4	
9005	1-1/2	
9114	1-3/4	
9180	1-3/4	

Top Tubing
Top Wichita
Top Wolfcamp
Top Pennsylvanian AXX
Top Mississippian
Top Woodford
Top Devonian
Total Depth
Elevation
3810' D. F.