

WELL RECORD

A coordinate plane with a grid. The x-axis and y-axis are labeled. The origin is labeled "Sec. 3". A point is plotted at (2, 3) and labeled "A = 3".

AREA 640 ACRES
LOCATE WELL CORRECTLY

Amerada Petroleum Corporation
 State 3 "G" Company or Operator 1 in G/NE/4 NE/4 of Sec. 9 Address 15-S
 Lease Well No. 33-E Sounders Field, Lea County.
 N. M. P. M. 660 feet south of the North line and 660 feet west of the East line of Section 3
 Well is 660 feet south of the North line and 660 feet west of the East line of Section 3
 If State land the oil and gas lease is No. 2-419 Assignment No.
 If patented land the owner is Address
 If Government land the permittee is Address
 The Lessee is Amerada Petroleum Corporation Address Box 2040, Tulsa 2, Oklahoma
 Drilling commenced January 4, 1951 Drilling was completed April 4, 1951
 Name of drilling contractor Greckmire Drilling Company Address Tulsa, Oklahoma
 Elevation above sea level at top of casing 419' feet.
 The information given is to be kept confidential until Not Confidential 19

No. 1, from 9765 to 9927 No. 4, from _____ to _____
 No. 2, from _____ to _____ No. 5, from _____ to _____
 No. 3, from _____ to _____ No. 6, from _____ to _____

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from to feet.

No. 2, from to feet.

No. 3, from to feet.

No. 4, from to feet.

[illegible]

SIZE OF HOLE	SIZE OF CASING	WHERE SET	NO. SACKS OF CEMENT	METHODS USED	MUD GRAVITY	AMOUNT OF MUD USED
17-1/2	13-3/8	296'	225	Halliburton		
11	8-5/8	3090'	1800	Halliburton		
7-1/4	5-1/2	9933'	600	Halliburton		

Heaving plug—Material..... Length..... Depth Set.....

Adapters — Material..... Size.....

SIZE	SHELL USED	EXPLOSIVE OR CHEMICAL USED	QUANTITY	DATE	DEPTH SHOT OR TREATED	DEPTH CLEANED OUT
		500 Gal. 15% Acid	500 Gal.	4-9-51	9850' - 9890'	Perforations

Results of shooting or chemical treatment. Flowed 421.05 bbls. oil, 1.70 bbl. BS & 2.98 bbls. water in 9 hrs. through a 24/64" Choke, T.P. 975#, G.P. 100#, gas volume 1,418,000 cu ft per day. G.O.R. 1263. Corrected Gravity 42.7.

If drill-stem or other special tests or deviation surveys were made, submit report on separate sheet and attach hereto.

Rotary tools were used from 0 feet to 9933' feet, and from _____ feet to _____ feet.

Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet.

Put to producing.....**March 27,**....., 19**51**.....
The production of the first 24 hours was.....**1,135.20**.....barrels of fluid of which.....**99.9**.....% was oil;**.1**.....% emulsion;% water; and.....% sediment. Gravity, Be.....**42.7**.....
If gas well, cu. ft. per 24 hours.....Gallons gasoline per 1,000 cu. ft. of gas.....
Rock pressure, lbs. per sq. in.....

L. M. Mahry Driller **Gene Day** Driller
L. D. Burroughs Driller Driller

I hereby swear or affirm that the information given herewith is a complete and correct record of the well and all work done on it so far as can be determined from available records.

Subscribed and sworn to before me this 11th
day of April, 1951
[Signature]
Notary Public

Monument, New Mexico **April 11, 1951**

Place _____ Date _____

Name _____ *Don L. Williams* _____

Position **Assistant District Superintendent**

Representing **Amerada Petroleum Corporation**
Company or Operator

Address **Drawer D, Monument, New Mexico**

My Commission expires.....**10-11-54**.....

FORMATION RECORD

FROM	TO	THICKNESS IN FEET	FORMATION
0	6	6	Collar
6	220	214	Sand & Caliche
220	300	80	Red Bed, Sand & Shale
300	1610	1310	Sand & Shale
1610	1690	80	Sand, Anhydrite & Shale
1690	2710	1020	Shale, Anhydrite & Salt
2710	3230	520	Shale, Anhydrite & Sand
3230	3900	270	Shale & Anhydrite
3900	4000	100	Shale, Anhydrite, Sand & Salt
4000	4200	200	Shale, Anhydrite, Sand & Dolomite
4200	5590	1390	Dolomite & Anhydrite
5590	5650	60	Limestone & Dolomite
5650	5740	90	Dolomite & Anhydrite
5740	6490	750	Dolomite, Sand & Anhydrite
6490	7500	1010	Dolomite, Sand & Anhydrite
7500	7800	300	Dolomite & Anhydrite
7800	8230	430	Shale & Dolomite
8230	9110	880	Anhydrite & Dolomite
9110	9170	60	Dolomite, Chert & Anhydrite
9170	9400	230	Limestone & Chert
9400	9733	333	Limestone & Shale
	9733		Total Depth
	9710		Drilled Out Depth
GEOLOGICAL DATA			
Top Anhydrite	1560'		
Top Salt	1656'		
Top Yates	2675'		
Top Artesia Red Sand	3437'		
Top San Andres	4143'		
Top Padlock	6027'		
Top Clear Fork	6441'		
Top Abo	7783'		
Top Wolfcamp	9118'		
Top Pennsylvanian	9363'		
Top Pay	9765'		
Elevation - D.F.	4206'		
SLOPE TESTS			
830'	3/4	deg.	
1310'	1/2	"	
2300'	1/2	"	
2800'	1-	"	
3900'	1-	"	
4000'	1-	"	
4900'	-3/4	"	
5000'	-3/4	"	
5740'	-3/4	"	
6300'	1-	"	
7130'	-1/2	"	
7625'	-1/4	"	
8230'	-1/4	"	
8775'	-3/4	"	
9250'	-1/2	"	
9730'	-1/4	"	

DRILL STEM TESTS

9495' - 9533', op 1 hr & 25 min, op W/few bubbles & died, closed & re-opened W/few bubbles & died, closed & re-opened W/few bubbles & died. Rec 60' drlg. mud, no shows oil, gas or water.

9761' - 9805', op 4 hrs & 7 min, gas to surf in 3 min, mud in 5 min, oil in 7 min, gas vol 5,945,000 cu ft per day, flowed 353.28 bbls. oil, no BS or water, in 4 hrs., crrr gra 42.6. Rec. 810' clean oil, no water.

9805' - 9847', op 4 hrs & 10 min. Gas to surf in 2 min, mud in 5 min, oil in 10 min. Flowed 219.62 bbls. oil, no BS or water in 4 hrs, gra 46, gas vol 6,350,800 cu ft per day. Rec 90' clean oil, no water.

9848' - 9903', op 4 hrs & 15 min. gas to surf in 4 min, mud in 9 min, oil in 15 min. Flowed 313.26 bbls. oil, tra BS, 0 water, in 4 hrs, gra 41.6, gas vol 2,700,000 cu ft per day. Rec 780' clean oil, no water.

9903' to 9933', op 6 hrs & 43 min. Gas to surf in 8 min, vol 149,000 cu ft per day, increased to 359,640 cu ft per day & decreased to very weak blow at end of test. Oil to surf in 2 hrs & 43 min. In 4 hrs. flowed 14.49 bbls. fluid, avg .5% BS & Mud, gra 39.6, oil very dark color. Rec 9020' clean oil, 560' 50% oil cut drlg. mud & 90' salty water on bottom

