

AREA 640 ACRES
LOCATE WELL CORRECTLY

NEW MEXICO OIL CONSERVATION COMMISSION

Santa Fe, New Mexico

WELL RECORD

Mail to Oil Conservation Commission, Santa Fe, New Mexico, or its proper agent not more than twenty days after completion of well. Follow instructions in the Rules and Regulations of the Commission. Indicate questionable data by following it with (?). SUBMIT IN TRIPPLICATE. FORM C-110 WILL NOT BE APPROVED UNTIL FORM C-105 IS PROPERLY FILLED OUT.

Amerada Petroleum Corporation

Drawer D, Monument, New Mexico

State DA

Company or Operator

Address

Well No. 4

in NE 1/4 Sec 16

of Sec

T. 21S

Lease

R. 37E

N. M. P. M.

Drinkard

Field, Lea

County.

Well is 5300' feet south of the North line and 660' feet west of the East line of Sec. 16-21S-37E

If State land the oil and gas lease is No. B-85

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 August 12

19 47

Drilling was completed

September 23

19 47

Name of drilling contractor McVay & Stafford Drilling Co.

Address Tulsa, Oklahoma

Elevation above sea level at top of casing 3466' feet.

The information given is to be kept confidential until Not Confidential

OIL SANDS OR ZONES

No. 1, from 6528' to 6582' No. 4, from to

No. 2, from to No. 5, from to

No. 3, from to No. 6, from to

IMPORTANT WATER SANDS

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.

CASING RECORD

SIZE	WEIGHT PER FOOT	THREADS PER INCH	MAKE	AMOUNT	KIND OF SHOE	CUT & FILLED FROM	PERFORATED		PURPOSE
							FROM	TO	
13-3/8"	36, 48	34, SRT	Arcos A	213'	Arcos				
8-5/8"	36, 32	32, ST, 10V	Sale	2807'	Float				
5-1/2"	17	SRT	Sale	6644'	Float		6528'	6582'	Make Oil well

MUDDING AND CEMENTING RECORD

SIZE OF HOLE	SIZE OF CASING	WHERE SET	NO. SACKS OF CEMENT	METHODS USED	MUD GRAVITY	AMOUNT OF MUD USED
17-1/4"	13-3/8"	213'	200	Halliburton		
11"	8-5/8"	2807'	1550	Halliburton		
7-3/8"	5-1/2"	6644'	500	Halliburton		

PLUGS AND ADAPTERS

Cement Retainer Material Baker Length Model K Depth Set 6595' 6582' PHD
Adapters — Material Size

RECORD OF SHOOTING OR CHEMICAL TREATMENT

SIZE	SHELL USED	EXPLOSIVE OR CHEMICAL USED	QUANTITY	DATE	DEPTH SHOT OR TREATED	DEPTH CLEANED OUT
		West. Mud Acid	500 gals.	9-17-47	6600'-6641'	
		15% Low Tension	1000 gals.	9-22-47	6528'-6582'	

Results of shooting or chemical treatment. Well kicked off without being snubbed and in 13 hour test flowed 144.95 bbls. oil, 1/4" pos. choke, 1/10525, water 3-5%, gravity 39.4 corrected, gas 193M per day, GOR 722. In 24 hr. test flowed 195.96 bbls. oil, 2/10525, no water, gravity 37.8 corrected, gas 156,000 cu. ft. per day. Submit See Oil-Ratio 736.

RECORD OF DRILL-STEM AND SPECIAL TESTS

No. Drill Stem Tests — See Schlumberger Survey
If drill-stem or other special tests or deviation surveys were made, submit report on separate sheet and attach hereto.

TOOLS USED

Rotary tools were used from 0' feet to 6644' feet, and from feet to feet

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

PRODUCTION

Put to producing September 17, 1947

The production of the first 24 hours was 195.96 barrels of fluid of which 100% was oil; % emulsion; % water; and % sediment. Gravity, Be. 37.8

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

Rock pressure, lbs. per sq. in.

EMPLOYEES

C. H. Patterson Driller M. J. Haddleton Driller

J. N. Grisham Driller

FORMATION RECORD ON OTHER SIDE

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 26th.

Monument, New Mexico September 26, 1947

day of September, 1947

Name R. O. Taylor

Position Asst. Dist. Supt.

Representing Amerada Petroleum Corporation
Company or Operator

My Commission expires May 3, 1948

Address Drawer D, Monument, New

FORMATION RECORD

FROM	TO	THICKNESS IN FEET	FORMATION
0'	220'	220'	Red Bed & Caliche
220'	410'	190'	Red Bed
410'	1235'	825'	Red Rock & Sand
1235'	1270'	35'	Red Bed
1270'	1345'	75'	Anhydrite
1345'	1820'	475'	Anhydrite & Salt
1820'	2100'	280'	Salt
2100'	2560'	460'	Salt & Anhydrite
2560'	2640'	80'	Lime & Anhydrite
2640'	2668'	28'	Anhydrite
2668'	2725'	57'	Anhydrite & Lime
2725'	2739'	14'	Anhydrite
2739'	2812'	73'	Lime
2812'	3322'	510'	Lime & Anhydrite
3322'	3518'	196'	Lime & Gyp
3518'	3625'	107'	Anhydrite & Lime
3625'	3646'	21'	Lime
3646'	3690'	44'	Lime & Sand
3690'	4173'	483'	Lime
4173'	4385'	212'	Broken Lime
4385'	4527'	142'	Lime
4527'	4572'	45'	Lime & Chert
4572'	4749'	177'	Lime
4749'	4793'	44'	Lime & Gyp
4793'	4996'	203'	Lime
4996'	5055'	59'	Lime & Gyp
5055'	6644'	1589'	Lime
6644'			Total Depth
6641'			Drilled Out Depth
6582'			Plugged Back Depth
<u>GEOLOGICAL TOPS</u>			
			Elevation Derrick Floor 3474'
			Elevation Ground 3466'
			Top Anhydrite 1260'
			Top Salt 1360'
			Base Salt 2460'
			Top Yates 2640'
			Top Glorietta 5170'
			Top Tubbs 6100'
			Total Depth 6644'
			Drilled out Depth 6641'
			Plugged Back Depth 6582'
			Pay(Perforations) 6528'-6582'
<u>SLOPE TESTS</u>			
	208'		Straight
	450'		Straight
	725'		Straight
	1000'		Straight
	1243'		1/2 degree
	1500'		1/2 degree
	1845'		1/2 degree
	2100'		1 degree
	2200'		1 degree
	2481'		1 degree
	2600'		1/2 degree
	2775'		1/2 degree
	3153'		Straight
	3486'		1/2 degree
	3696'		1 degree
	3818'		1/2 degree
	4028'		1/2 degree
	4510'		1 degree
	4871'		1 degree
	5020'		1 degree
	5172'		1 degree
	5440'		1/2 degree
	5770'		1 1/2 degree
	5983'		1-3/4 deg.
	6164'		3/4 degree