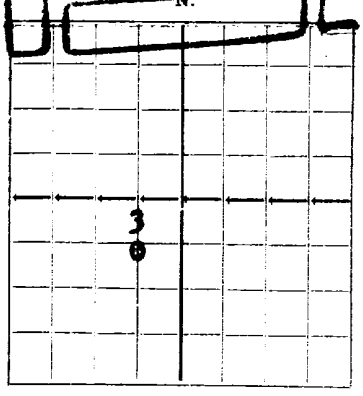
DUPLICATE

FORM C-105



AREA 640 ACRES
LOCATE WELL CORRECTLY

RECEIVED
JAN 21 1947
HOBBS OFFICE

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 TRIPLICATE.

Amerada Petroleum Corporation (Company or Operator), Drawer D, Address Monument, New Mexico.

J. G. Hare (Lease) Well No. 3 in NE¼ SW¼ of Sec. 33, T. 21S

R. 37E, N. M. P. M., Drinkard Field, Lea County.

Well is 4300 feet south of the North line and 4300 feet west of the East line of Sect. 33-21S-37E

If State land the oil and gas lease is No. _____ 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, Okla.

Drilling commenced November 23, 1946. Drilling was completed January 8, 1947

Name of drilling contractor McVay & Stafford, Address McBirney Bldg., Tulsa, 3, Okla.

Elevation above sea level at top of casing 3545 feet.

The information given is to be kept confidential until Not Confidential 19____

OIL SANDS OR ZONES

No. 1, from 6497 to 6530 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 FROM	PERFORATED TO	PURPOSE
13 3/8"	36	Armco SJ	Weld	183'	Regular				
8 5/8"	32	10V	Smlss	2729'	Float Shoe				
5½"	15.5	8RT	Smlss	6566	Float Shoe				

MUDDING AND CEMENTING RECORD

SIZE OF HOLE	SIZE OF CASING	WHERE SET	NO. SACKS OF CEMENT	METHOD USED	MUD GRAVITY	AMOUNT OF MUD USED
17½"	13 3/8"	183'	200	Halliburton		
11"	8 5/8"	2729'	1000	Halliburton		
7 7/8"	5½"	6566'	350	Halliburton		

PLUGS AND ADAPTERS

Heaving plug—Material _____ Length _____ Depth Set _____

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
None						

Results of shooting or chemical treatment _____

RECORD OF DRILL-STEM AND SPECIAL TESTS

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

See List Attached

TOOLS USED

Rotary tools were used from 0 feet to 6566 feet, and from _____ feet to _____ feet

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

PRODUCTION

Put to producing January 9, 1947

The production of the first 24 hours was 175.85 barrels of fluid of which 100 % was oil; _____ % emulsion; _____ % water; and _____ % sediment. Gravity, Be 40@ 46 Corrected 41.1

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

Rock pressure, lbs. per sq. in. _____

EMPLOYEES

_____, Driller _____, Driller

E. A. Hailes, Driller V. L. Greene, Driller

B. F. Clark

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 11th day of January, 1947

Wilma Nail Taylor
Notary Public

My Commission expires _____

Monument, New Mexico, January 11, 1947
Place Date

Name E W Yeppin

Position Asst. Dist. Supt.

Representing Amerada Pet. Corp.
Company or Operator

Address Drawer D, Monument, New Mexico.

FORMATION RECORD

FROM	TO	THICKNESS IN FEET	FORMATION
0	40	40	Surface Soil
40	130	90	Water Sand, Gravel and shells
130	220	90	Red Bed
220	410	190	Sand and Red Bed
410	740	330	Red Bed
740	1075	335	Shale and shells
1075	1183	108	Red Bed and Shells
1183	1245	62	Anhydrite
1245	1365	120	Anhydrite and Gypsum
1365	1565	200	Anhydrite and salt series
1565	1705	140	Anhydrite and Shale
1705	1895	190	Salt and Gypsum
1895	2100	205	Salt and Anhydrite Streaks
2100	2156	56	Salt and Anhydrite shells
2156	2345	189	Salt and Shells
2345	2390	45	Anhydrite and Salt
2390	2450	60	Salt and Shale
2450	2505	55	Anhydrite and Salt
2505	2695	190	Anhydrite
2695	2735	40	Anhydrite and Lime
2735	2752	17	Anhydrite and Lime
2752	2935	183	Lime and Anhydrite
2935	3069	134	Lime
3069	3164	95	Lime (Showing Gas)
3164	3255	91	Lime and Shale
3255	3333	78	Lime
3333	3400	67	Lime and Anhydrite
3400	3485	85	Lime
3485	3530	45	Lime (Porous)
3530	3560	30	Lime
3560	3617	57	Lime and Anhydrite Streaks
3617	3781	164	Lime
3781	3895	114	Lime (Showing Oil and Gas)
3895	4330	435	Lime
4330	4370	40	Anhydrite and Lime
4370	4468	98	Lime
4468	4508	98	Anhydrite and Lime
4508	4551	43	Lime
4551	4593	42	Lime and Gypsum
4593	4643	50	Lime and Anhydrite Streaks
4643	4690	47	Lime
4690	4738	48	Lime and Anhydrite
4738	4780	42	Lime and Shale Streaks
4780	4832	52	Lime
4832	4885	53	Lime and Sand
4885	5224	339	Lime
5224	6512	1288	Lime
5612	6556	44	Lime
6556'			Total Depth
6537'			Drilled Out depth

GEOLOGICAL TOPS

Elevation Derrick Floor	3555'
" Ground Level	3545'
Base Red Bed	1180'
Base Salt	2415'
Top Eunice Lime	2680'
Top Monument Lime	2720'
Base San Andres	5060'
Top Glorietta	5080'
Top Clear Fork	5520'
Top of Tubbs	6030'
Pay	6497-6530

J. G. Hare Well #3, Section 33, 21S, 33E, Drinkard Field, Lea County.

RECORD OF DRILL STEM TESTS TAKEN

12-18-46 5224' Total Depth Lime Ran Drill stem test with packer set at 5202' Perforations at 5203-5220, 5/8" Bottom Orifice and 1" Top Choke, tool opened at 10;02Pm Good blow air immediately, weakened and was very little blow at end of test, closed tool at 2;02AM, out at 4AM and recovered 75' oil and gas cut mud, Hydrostatic Pressure 2450#, Flow Pressure 100#, Did not get any build up pressure, unseated packer when tool was closed.

1-1- 47 Total dypth 6512' Ran Drill Stem Test with Packer set at 6497' Perforations 6498-6508, 5/8" Bottom Choke and 1" Top Choke, opened tool at 12;30AM Gas to top 3 minutes, oil in 2 hours, made a total of 34.56 barrel oil Gravity corrected 40.2, Daily Gas Volume 150M, Gas-Oil-Ratiom 700, Closed tool at 6AM, recovered 2287' oil and 15' of oil and gas cut mud, Hydrostatic Pressure 3075#, / Flow Pressure t00#, No build up pressure packer pulled loose.

RECORD OF SLOPE TESTS

200'	¾ Degree
300'	1¼ Degrees
518'	½ degree
728'	¼ degree
1000'	¾ Degree
1246'	¾ degree
1519'	½ degree
2160'	3/4 degree
2557'	1 degree
2618'	3/4 degree
2689'	1 degree
2863'	3/4 degree
3047'	1 degree
3320'	1 degree
3548'	1 degree
4310'	Straight
4360'	½ degree
4470'	¼ degree
4627'	¼ degree
4809'	1 degree
5392'	3/4 degree
5868'	1¼ degree
6021'	1½ degree