

H. CORRIGAN WELL #4
RECORD OF DRILL STEM TESTS TAKEN.

6532' Total Depth, Ran Drill stem test with packer set at 6506' -5/8" Orifice on bottom, opened tool at 10:30PM, blow of air immediately, gas to top in 20 minutes, closed tool at 3:30AM November 26, 1946, recovered 360' Clean oil and 645' of mud cut oil, Hydrostatic Pressure 3150#, Flow Pressure 150#, No Build up pressure, Gravity of oil 34 Degrees corrected.

November 27, 1946,
6600' Total Depth Ran drill stem test with packer set at 6534', tool opened at 4AM 5/8" Orifice on bottom, good blow of air immediately, gas to top in 25 minutes, Gas estimated at 10M cu. ft., recovered 540' of clean oil, 800' of mud cut oil, Hydrostatic Pressure 3200#, Flow pressure at end of 5 hours 100#, 14 minutes build up pressure 1400#,

November 28, 1946,

6600' Total Depth, Ran drill stem test with packer set at 6488', perforations at 6582-96, 5/8" Orifice on bottom, tool opened at 1:35PM, Gas to top in 4 minutes, oil to top 3 hrs 37 minutes at 5:12PM and in 13 hours made 40.02 barrels oil average of 3 1/2% BS&W Gas Volume 158M cu. ft. GOR 2040, closed tool at 6AM November 29th, 1946, recovered 2610' Clean oil, 870' of mud cut oil, Hydrostatic Pressure 3200#, Flow Pressure 700#, 10 minutes build up pressure 1900#

November 29, 1946, Ran Schlumberger Survey and bottom of hole checked 6596', 4' short.

December 3, 1946, Ran Lane Wells Gamma Ray Survey after setting 5" OD Casing and before perforating Casing. Perforated from 6518' to 6530 and 6542 to 6566'. , 4 shots per foot and a total of 144 shots.

SYFO TESTS.

3757'	1/2 degree
3820'	1/4 degree
3924'	1/4 degree
4118'	1/4 degree
4355'	1 1/4 degree
4444'	1 degree
4535'	1 degree
4684'	1 degree
4815'	3/4 degree
5014'	1 degree
5340'	1 degree
5540'	1/2 degree
5785'	1 degree
6000'	3/4 degree
6301'	1/4 degree

RECEIVED
COMMISSION
NEGATIVE
HARRIS OFFICE

AREA 640 ACRES
LOCATE WELL CORRECTLY

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.

Amerada Petroleum Corporation Drawer D, Menument, New Mexico,
Company or Operator Address

H. Corrigan Well No. 4 ONDD in NE¹/₄ NE¹/₄ of Sec. 4, T. 22S
Lease

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

Well is 660 feet south of the North line and 660 feet west of the East line of Section 4-22S-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 4, 1946 Drilling was completed November 27 1946

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

Elevation above sea level at top of casing 3448 feet.

The information given is to be kept confidential until Net Confidential 19

OIL SANDS OR ZONES

No. 1, from 6518 to 6566 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

[illegible]

MUDDING AND CEMENTING RECORD

SIZE OF HOLE	SIZE OF CASING	WHERE SET	NO. SACKS OF CEMENT	METHOD USED	MUD GRAVITY	AMOUNT OF MUD USED
6 1/4"	5"	6600	300	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
2000 Gallons		Acid		12-4-46	6518-66	

Results of shooting or chemical treatment ~~No test before acidizing. After treatment 14 hours 2~~
choke made 175.77 barrels oil Gas Volume 2524 Gas-Oil-Ratio 832.

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.

TOOLS USED

Rotary tools were used from 3753 feet to 6600 feet, and from _____ feet to _____ feet.

Cable tools were used from None feet to _____ feet, and from _____ feet to _____ feet.

PRODUCTION

Put to producing December 4, 1946
The production of the first 24 hours was 149.51 barrels of fluid of which 100 % was oil; _____ %
emulsion; _____ % water; and _____ % sediment. Gravity, Be 39.1
If gas well, cu. ft. per 24 hours _____ Gallons gasoline per 1,000 cu. ft. of gas _____
Rock pressure, lbs. per sq. in. _____

EMPLOYEES

J. V. Gisham, Driller F. M. Haase, Driller
Jim Clark, 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 11

day of December, 19 46

Will Hale Taylor
Notary Public

My Commission expires _____

Monument, New Mexico December 11, 1946

Name Law, - Rhea

Position Asst. Dist. Supt.

Representing ~~Amerada Petroleum Corporation~~
Company or Operator

Address Drawer D, Monument, New Mexico.

FORMATION RECORD

FROM	TO	THICKNESS IN FEET	FORMATION
3743'			Old Total depth, Corrections 3743' equals 3757'
3757'	3985'	228'	Lime
3985'	4338'	353'	Lime
4338'	4374'	36'	Sandy Lime
4374'	4561'	187'	Lime and Gypsum
4561'	4688'	127'	Lime
4688'	4738'	50'	Lime & Gypsum
4738'	4755'	17'	Lime and Sand
4755'	4770'	15'	Lime and Gypsum
4770'	4846'	76'	Sand and Lime
4846'	4907'	61'	Lime
4907'	4925'	18'	Sand and Lime
4925'	4945'	16'	Lime and Sand
4945'	5969'	1028'	Lime
5969'	6021'	52'	Lime and Gypsum
6021'	6600'	579'	Lime
6600'			Total Depth
6581'			Drilled out Depth.
<u>GEOLOGICAL TOPS</u>			
Elevation			3448'
Base Red Bed			1164'
Base Salt			2390'
Top of Yates			2591'
Top of Monument Lime			2710'
Top of San Andres			Not available
Base of San Andres			5070'
Top of Glorietta			5090'
Top of Clear Fork			5515'
Top of Tubbs			6030'
Top of Pay			6518'
Base of Pay			6566'
Total Depth			6600'
Drilled out depth		8	6581'