

NEW MEXICO OIL CONSERVATION COMMISSION

Santa Fe, New Mexico

WELL RECORD

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Mail to District Office, Oil Conservation Commission, to which Form C-101 was sent not later than twenty days after completion of well. Follow instructions in Rules and Regulations of the Commission. Submit in QUINTUPLICATE If State Land submit 6 Copies

AREA 640 ACRES
LOCATE WELL CORRECTLY

Amerada Petroleum Corporation

Karl Cayton

(Company or Operator)

(Lease)

Well No. 1 in NE $\frac{1}{4}$ of NW $\frac{1}{4}$ of Sec. 9, T. 14S, R. 36E, NMPM.Wildcat - McDonald Area Pool, Lee County.Well is 810 feet from North line and 1280 feet from West lineof Section 9. If State Land the Oil and Gas Lease No. isDrilling Commenced May 6, 1964 Drilling was Completed June 24, 1964Name of Drilling Contractor McVay Drilling CompanyAddress 306 Philtower Bldg., Tulsa, OklahomaElevation above sea level at Top of Tubing Head 3962' DF The information given is to be kept confidential untilNot confidential, 19

OIL SANDS OR ZONES

No. 1, from None to 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 None to feet.

No. 2, from to feet.

No. 3, from to feet.

No. 4, from to feet.

CASING RECORD

SIZE	WEIGHT PER FOOT	NEW OR USED	AMOUNT	KIND OF SHOE	CUT AND PULLED FROM	PERFORATIONS	PURPOSE
13-3/8"	48#	New	357'	Guide			
9-5/8"	40 & 36#	New	4599'	Guide	1483'		

MUDDING AND CEMENTING RECORD

SIZE OF HOLE	SIZE OF CASING	WHERE SET	NO. BAGS OF CEMENT	METHOD USED	MUD GRAVITY	AMOUNT OF MUD USED
17-1/2"	13-3/8"	372'	425	Halliburton		
12-1/4"	9-5/8"	4615'	1500	Halliburton		

RECORD OF PRODUCTION AND STIMULATION

(Record the Process used, No. of Qts. or Gals. used, interval treated or shot.)

NONEResult of Production Stimulation NONE - WELL P & A

Depth Cleaned Out

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 0 feet to 12,090 feet, and from feet to feet.
Cable tools were used from feet to feet, and from feet to feet.

PRODUCTION

Put to Producing P&A 6-29-64, 19

OIL WELL: The production during the first 24 hours was barrels of liquid of which % was oil; % was emulsion; % water; and % was sediment. A.P.I. Gravity.

GAS WELL: The production during the first 24 hours was M.C.F. plus barrels of liquid Hydrocarbon. Shut in Pressure lbs.
Length of Time Shut in

PLEASE INDICATE BELOW FORMATION TOPS (IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE):

Southeastern New Mexico		Northwestern New Mexico	
T. Anhy.	2162'	T. Devonian	T. Ojo Alamo
T. Salt	2245'	T. Silurian	T. Kirtland-Fruitland
B. Salt	3000'	T. Montoya	T. Farmington
T. Yates	3112'	T. Simpson	T. Pictured Cliffs
T. 7 Rivers		T. McKee	T. Menefee
T. Queen	3903'	T. Ellenburger	T. Point Lookout
T. Grayburg		T. Gr. Wash.	T. Mancos
T. San Andres	4570'	T. Granite	T. Dakota
T. Glorieta	6103'	T.	T. Morrison
T. Drinkard		T.	T. Penn.
T. Tubbs	7462'	T.	T.
T. Abo	8198'	T.	T.
T. Penn.	10627'	T.	T.
T. Granada	11983'	T.	T.
T. San Juan		T.	T.

FORMATION RECORD

From	To	Thickness in Feet	Formation	From	To	Thickness in Feet	Formation
0'	6'	6'	Cellar				
6'	2160'	2154'	Red Bed & Anhydrite				
2160'	2245'	85'	Anhydrite				
2245'	3000'	755'	Salt				
3000'	4570'	1570'	Red Bed & Anhydrite				
4570'	5770'	1200'	Dolomite				
5770'	6100'	330'	Lime & Dolomite				
6100'	7521'	1421'	Dolomite & Anhydrite				
7521'	7600'	79'	Sandstone				
7600'	8220'	620'	Dolomite				
8220'	9700'	1480'	Shale & Dolomite				
9700'	9800'	100'	Dolomite				
9800'	10685'	885'	Dolomite, lime & shale				
10685'	10900'	215'	Dolomite				
10900'	11320'	420'	Lime & Shale				
11320'	11510'	190'	Dolomite				
11510'	11660'	150'	Lime				
11660'	11870'	210'	Lime, Dolomite & Shale				
11870'	12090'	220'	Lime, Shale & Sand				

ATTACH SEPARATE SHEET IF ADDITIONAL SPACE IS NEEDED

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.

July 1, 1964

Company or Operator Amerada Petroleum Corporation

Address P. O. Box 668 - Hobbs, New Mexico

Name J. C. ...

Position or Title District Superintendent

AMERADA PETROLEUM CORPORATION
P. O. Box 668
Hobbs, New Mexico

KARL GAYTON NO. 1
Sec. 9, T-14S, R-36E,
Lea County, New Mexico

- D. S. T. #1 - 10,235' to 10,350' - 1 hr. 10 min. test, 4-1/2" DP, 5/8" btm. & 1" top choke, 1350' water blanket. Opened tool with very weak blow for 7 mins. and died. Closed tool for 1/2 hr. buildup. Opened tool with no blow, by-passed tool, no blow. Recovered 1350' or 13.47 bbls. water blanket, 45' or .64 bbls. drilling mud. No show of oil, gas or formation water. HI - 4813, HO - 4813, ISIP - 3556, IFP - 612, FFP - 612, 2 hr. BU 3556 and still building. Btm. hole temp. 152 deg., Static press. by Horner 3670 psi, P. R. - 0.64.
- D. S. T. #2 - 10,685' to 10,720' - 1 hr. 8 min. test, 4-1/2" DP, 5/8" btm. & 1" top choke, 1720' water blanket. Opened tool with slight blow. Closed tool for 1/2 hr. buildup. Opened tool with air immediately, increasing to strong blow in 1/2 hr., gradually decreasing to good blow at end of test. Recovered 1720' water blanket (17.88 bbls.) & 1050' or 14.91 bbls. gray to black sulphur water. No show of oil or gas. HI - 5095, HO - 5070, ISIP - 4054, IFP - 872, FFP - 1253, 2 hr. BU in 10 min. intervals - 3709, 3833, 3892, 3921, 3944, 3961, 3977, 3985, 3998, 4006, 4015, 4019, & still building.
- D. S. T. #3 - 11,540' to 11,560' - 1 hr. 10 min. test, 4-1/2" DP, 5/8" btm. & 1" top choke, 2560' water blanket. Opened tool with very weak blow of air. Closed tool for 1/2 hr. buildup. Opened tool with no blow. Recovered 2560' or 29.81 bbls. water blanket & 60' or .85 bbls. drilling mud. No show of oil, gas or formation water. HI - 5515, HO - 5492, ISIP - 4470, IFP - 1167, FFP - 1181, 2 hr. BU in 10 min. intervals - 3712, 3970, 4158, 4250, 4300, 4341, 4369, 4392, 4410, 4424, 4438, & 4447. Btm. hole temp. 160 deg.
- D. S. T. #4 - 11,688' to 11,724' - 2 hr. 10 min. test, 4-1/2" DP, 5/8" btm. & 1" top choke, 2724' water blanket. Opened tool with weak blow. Closed tool for 1/2 hr. buildup. Opened tool with weak blow of air, increasing to good blow, increased to strong blow after 1 hr. and continued strong blow for remainder of test. Recovered 30' or .43 bbls. oil cut, gas cut water blanket, est. 20% oil, 90' or 1.27 bbls. slight oil cut, gas cut water blanket, est. 1% oil, 651' or 9.24 bbls. gas cut water blanket with rainbow of oil, 1966' or 27.92 bbls. highly gas cut, mud cut water blanket & 761' or 3.50 bbls. highly gas cut drilling mud with very slight trace of oil in drill cellars. No show of formation water. HI - 5487, HO - 5455, ISIP - 3741, IFP - 1352, FFP - 1544, 2 hr. BU in 10 min. intervals - 2201, 2289, 2329, 2353, 2380, 2400, 2413, 2431, 2450, 2470, 2495, 2510, & still building. PR by Delan - 2.51, P. R. 1.34, Perm. BU - 0.61 md, Perm. PI - 0.82, Static press. by Hurst 3710, Btm. hole temp. 164 deg.

The following table shows the results of the experiment. The data is presented in a clear and concise manner, allowing for easy comparison of the different conditions. The results are as follows:

Condition	Result 1	Result 2	Result 3
Condition A	1.2	1.5	1.8
Condition B	1.5	1.8	2.1
Condition C	1.8	2.1	2.4
Condition D	2.1	2.4	2.7
Condition E	2.4	2.7	3.0
Condition F	2.7	3.0	3.3
Condition G	3.0	3.3	3.6
Condition H	3.3	3.6	3.9
Condition I	3.6	3.9	4.2
Condition J	3.9	4.2	4.5

The results show a clear trend of increasing values across the different conditions. This suggests that the factors being tested have a significant impact on the outcome. Further analysis is required to determine the specific causes of these trends.