



AREA 640 ACRES
LOCATE WELL CORRECTLY

NEW MEXICO OIL CONSERVATION COMMISSION
Santa Fe, New Mexico

WELL RECORD

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.

Gulf Oil Corporation Harry Leonard "A"
(Company or Operator) (Lease)

Well No. 21, in SW 1/4 of NW 1/4, of Sec. 33, T. 24-S, R. 38-E, NMPM.
Dollarhide West Devonian Pool, Lea County.
Well is 1980' feet from North line and 660' feet from West line
of Section 33-24-S-38-E. If State Land the Oil and Gas Lease No. is B-1732
Drilling Commenced 12-9-52, 19... Drilling was Completed 1-28-53, 19...
Name of Drilling Contractor Penrod Drilling Company
Address 1111 Texas Eastern Building, Shreveport, La.
Elevation above sea level at Top of Tubing Head..... The information given is to be kept confidential until
....., 19.....

OIL SANDS OR ZONES

No. 1, from 7790' to 7990' 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	NEW OR USED	AMOUNT	KIND OF SHOE	CUT AND PULLED FROM	PERFORATIONS	PURPOSE
13-3/8"	48#	New	261'				
9-5/8"	26-32#	New	2882'				
7"	23-26#	New	7781'				

MUDDING AND CEMENTING RECORD

SIZE OF HOLE	SIZE OF CASING	WHERE SET	NO. SACKS OF CEMENT	METHOD USED	MUD GRAVITY	AMOUNT OF MUD USED
17-1/4"	13-3/8"	279'	325	HOWCO		
12-1/4"	9-5/8"	2899'	2400	HOWCO		
8-3/4"	7"	7797'	420	HOWCO		

RECORD OF PRODUCTION AND STIMULATION

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

NONE

Result of Production Stimulation NONE

.....Depth Cleaned Out.....

F ORD OF DRILL-STEM AND SPECIAL TES

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.....7990'.....feet, and from.....feet to.....feet.
Cable tools were used from.....feet to.....feet, and from.....feet to.....feet.

PRODUCTION

Put to Producing.....January 28, 1953....., 19.....

OIL WELL: The production during the first 24 hours was.....512.....barrels of liquid of which.....100.....% was
was oil;0.....% was emulsion;0.....% water; and.....0.....% was sediment. A.P.I.
Gravity.....39.5.....

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.....	1175'		T. Devonian.....	7790'	
T. Salt.....			T. Silurian.....		
B. Salt.....			T. Montoya.....		
T. Yates.....	2805'		T. Simpson.....		
T. 7 Rivers.....			T. McKee.....		
T. Queen.....			T. Ellenburger.....		
T. Grayburg.....			T. Gr. Wash.....		
T. San Andres.....			T. Granite.....		
T. Glorieta.....	5285'		T.		
T. Drinkard.....			T.		
T. Tubbs.....	6210'		T.		
T. Abo.....			T.		
T. Penn.....			T.		
T. Miss.....			T.		
Woodford Shale	7610'				

FORMATION RECORD

From	To	Thickness in Feet	Formation	From	To	Thickness in Feet	Formation
0'	184'		Caliche, Sand & Surface Clay	7371			Dolomite
	1310		Red Bed	7507			Dolomite & Lime
	1504		Red Shale & Salt	7665			Lime
	1988		Red Bed & Anhydrite	7689			Shale & Lime
	2566		Salt & Anhydrite	7797			Shale
	2813		Anhydrite	7922			Lime
	2900		Anhydrite & Lime	7926			Lime & Chert
	4574		Lime	7964			Lime
	4651		Lime & Sand	7990			Lime & Chert
	4751		Lime				
	4914		Sandy Lime				
	5234		Lime				
	5376		Sandy Lime				
	5425		Lime				
	5490		Lime & Dolomite				
	5550		Dolomite				
	5830		Dolomite				
	5896		Lime & Red Bed				
	6018		Lime & Dolomite				
	6140		Lime				
	6158		Lime & Dolomite				
	6948		Lime				
	7191		Lime & Dolomite				
	7242		Lime & Shale				
	7317		Lime				

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.

.....February 4, 1953.....(Date)
Company or Operator.....Gulf Oil Corporation.....Address.....Box 2167, Hobbs, New Mexico
Name.....Ethan Taylor.....Position or Title.....Area Prod. Supt.

DRILL STEM TESTS

No. 1, 1-5-53 - 1 Hour Johnston Drill Stem Test 6315-6440' with 5/8" choke at 6291' - Packers at 6307' and 6315' - Bombs at 6436' and 6438' - Tool opened 12:55 AM
1-5-53 - Weak blow of air throughout test - Recovered 90' oil and gas cut mud, cut 5% oil, no water - Hydrostatic Pressure 3075# - Flowing Pressure 0# - 15 Minute BHP 0#.

No. 2, 1-7-53 - 1 Hour Johnston Drill Stem Test 6550-6675' with 5/8" choke at 6525' - Packers at 6542' and 6550' - Bombs at 6671' and 6673' - Tool opened at 4:25 AM
1-7-53 - Weak blow of air throughout test - Recovered 380' fluid, 150' drilling mud, 230' drilling mud, cut 5% oil, no water - Hydrostatic Pressure 3200# - Flowing Pressure 225# - 15 Minute BHP 625#.

No. 3, 1-9-53 - 3 Hour Johnston Drill Stem Test 6770-6895' with 5/8" choke at 6746' - Packers at 6762' and 6770' - Bombs at 6891' and 6893' - Tool opened 6:20 AM
1-9-53 - Gas to surface 14 minutes 10,900 cu. ft. - Decreased to small to measure at end of test - No fluid - Recovered 1460' fluid, 120' mud, 320' drilling mud, cut 50% oil, 1020' clean oil, no water - Hydrostatic Pressure 3375# - Flowing Pressure 225-475# - 15 Minute BHP 2275#.

No. 4, 1-19-53 - 1 Hour Johnston Drill Stem Test 7792-7915' with 5/8" choke at 7768' - Packers at 7784' and 7792' - Bombs at 7911' and 7913' - Tool opened at 9:30 PM
1-19-53 - Light blow of air, decreased and dead at end of test - Recovered 95' oil and gas cut mud, cut 5% oil, no water - Hydrostatic Pressure 3525# - Flowing Pressure 0# - 15 Minute BHP 200#.

No. 5, 1-22-53 - 3 Hour 50 Minute Johnston Drill Stem Test 7915-7990' with 5/8" choke at 7892' - Packers at 7910' and 7915' - Bombs at 7986' and 7988' - Tool opened 3:50 AM - 1-22-53 - Gas to surface 6 minutes, 141,900 cu. ft. - Mud in 45 minutes, oil in 50 minutes - Flowed 75.79 bbls. 40 gravity clean oil 3 hours - Reversed out 14 bbls. oil - Hydrostatic Pressure 4000# - Flowing Pressure 775-1200# - 15 Minute BHP 2525#.

DEVIATION - TOTCO SURVEY

<u>DEPTH</u>	<u>DEG. OFF</u>	<u>DEPTH</u>	<u>DEG. OFF</u>
599	3/4	4563	3/4
1200	1/2	4786	1/2
1487	1/2	5000	1/2
1732	1/2	5152	1/2
1920	1/4	5300	1/2
2095	1/2	5389	1
2280	3/4	5508	1
2500	1	5684	3/4
2644	1-3/4	5924	1
2737	1	6216	3/4
2778	1-1/4	6764	1
3259	1-1/4	6782	1
3556	1	6960	1
3792	2	7118	1-1/4
3940	1/4	7228	1-1/4
4059	1/2	7347	1
4190	1/2	7619	1
4355	1/2		