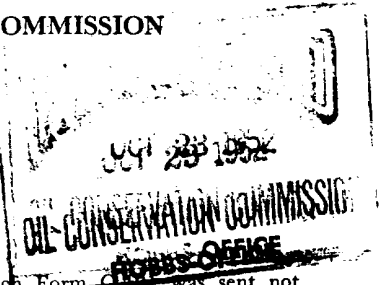
AREA 640 ACRES
LOCATE WELL CORRECTLY

NEW MEXICO OIL CONSERVATION COMMISSION

Santa Fe, New Mexico

WELL RECORD

Mail to District Office, Oil Conservation Commission, to which Form C-105 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

(Company or Operator)

Harry Leonard "A"

(Lease)

Well No. 16, in SE $\frac{1}{4}$ of SW $\frac{1}{4}$ of Sec. 33, T. 24-S, R. 38-E, NMPM.

West Dollarhide Devonian

Pool,

Lea

County.

Well is 660 feet from South line and 781 feet from East lineof Section 33-24S-38E. If State Land the Oil and Gas Lease No. is 27179Drilling Commenced 8-17-52, 19..... Drilling was Completed 10-20-52, 19.....Name of Drilling Contractor Penrod Drilling CompanyAddress 1111 Texas Eastern Building, Shreveport, La.Elevation above sea level at Top of Tubing Head 3171'. The information given is to be kept confidential until
....., 19.....

OIL SANDS OR ZONES

No. 1, from 7740' to 7965' 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	291'				
9-5/8"	36#	New	2880'				
7"	23 & 26#	New	7724'				

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"	305'	330	HOWCO		
12-3/4"	9-5/8"	2899'	1100	HOWCO		
8-3/4"	7"	7750'	275	HOWCO		

RECORD OF PRODUCTION AND STIMULATION

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

Acidized thru tubing w/2000 gallons 15% NE by Cardinal Chemical Co.

Acidized thru tubing w/8000 gallons 15% NE by Cardinal Chemical Co.

Acidized thru tubing w/12,000 gallons 15% NE by Cardinal Chemical Co.

Result of Production Stimulation Swabbed 46 bbls oil & 20 bbls acid water in 12 hrs. - Swabbed 40 bbls oil & 15 bbls acid water in 15 hrs. - Flowed 113 bbls oil 5 bbls acid water in 19 hrs.

Flowed 33 bbls oil no water in 6 hrs. Depth Cleaned Out.....

CORD OF DRILL-STEM AND SPECIAL

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 7965' feet, and from feet to feet.
Cable tools were used from feet to feet, and from feet to feet.

PRODUCTION

Put to Producing October 20, 1952

OIL WELL: The production during the first 24 hours was 132 barrels of liquid of which 100% was oil; 0% was emulsion; 0% water; and 0% was sediment. A.P.I. Gravity 38.5

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.	1160'		T. Devonian	7740'	T. Ojo Alamo
T. Salt			T. Silurian		T. Kirtland-Fruitland
B. Salt	2560'		T. Montoya		T. Farmington
T. Yates	2730'		T. Simpson		T. Pictured Cliffs
T. 7 Rivers			T. McKee		T. Menefee
T. Queen			T. Ellenburger		T. Point Lookout
T. Grayburg			T. Gr. Wash		T. Mancos
T. San Andres			T. Granite		T. Dakota
T. Glorieta	5225'		T.		T. Morrison
T. Drinkard			T.		T. Penn
T. Tubbs	6140'		T.		T.
T. Abo			T.		T.
T. Penn			T.		T.
T. Miss			T.		T.
Woodford	7565'				

FORMATION RECORD

From	To	Thickness in Feet	Formation	From	To	Thickness in Feet	Formation
0	60		Surface Clay & Caliche	DEVIATION - TOTCO SURVEYS			
	187		Boulders & Red Bed				
	312		Red Bed	DEPTH	DEG. OFF	DEPTH	DEG. OFF
	618		Gravel & Red Bed	151	1/4	5100	1/2
	973		Shale, Red Bed, & Gyp	300	1/2	5312	1/2
	1350		Shale & Anhydrite	550	1/4	5635	1/2
	1885		Shale, Anhydrite & Salt	901	1/2	5870	1/2
	2047		Anhydrite & Salt	1178	1	6076	1/4
	2548		Shale, Anhydrite & Salt	1574	1/4	6164	1/2
	2633		Shale & Anhydrite	1877	1/2	6252	1
	2900		Shale & Lime	2300	1/4	6429	1
	3040		Lime, Shale & Anhydrite	2462	2	6480	1
	7566		Lime	2630	1-3/4	6645	3/4
	7606		Lime & Shale	2960	1-1/2	6751	1/2
	7742		Shale	3158	1/2	6900	0
	7751		Lime	3375	1/4	6930	1/2
	7771		Lime w/streaks of Chert	3980	1/2	7017	3/4
	7956		Lime	4075	1/2	7193	3/4
	7965		Lime & Chert	4226	1/2	7313	3/4
				4491	1/2	7460	3/4
				4960	1/2	7583	1/2

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.

Company or Operator Gulf Oil Corporation
Name Chan Jay
Address Box 2167, Hobbs, New Mexico
Position or Title Area Prod. Supt.
October 21, 1952 (Date)

HARRY LEONARD "A" #16

DRILL STEM TESTS

- No. 1, 9-17-52 - 2 Hour Johnston Drill Stem test 6275-6400' with 5/8" Choke at 6251' - Used 2 packers at 6267' and 6275' - Bombs at 6396' and 6398' - Tool opened 1:35 AM 9-17-52 - No gas to surface, medium blow of air 1 hour, dead 1½ hours - Recovered 189' fluid, oil and gas cut mud, cut 3% oil, no water - Hydrostatic Pressure 2825# - Flowing Pressure 75# - 15 minute BHP 250#.
- No. 2, 9-18-52 - 1½ Hour Johnston Drill Stem Test 6400-6525' with 5/8" choke at 6465' - Used 2 packers at 6392' and 6400' - Bombs at 6520' and 6523' - Tool opened 5:00 PM 9-18-52 - Gas to surface 40 minutes, too small to measure, no fluid Good blow of gas throughout test - Recovered 264' oil and gas cut mud, cut 5% oil no water - Hydrostatic Pressure 3075# - Flowing Pressure 100# - 15 min BHP 500#.
- No. 3, 9-20-52 - 1½ Hour Johnston Drill Stem Test 6525-6655' with 5/8" choke at 6516' - Used 2 packers 6517' and 6525' - Bombs at 6651' and 6653' - Tool opened 6:40 AM 9-20-52 - No gas to surface, fair blow of air throughout test - Recovered 415' oil and gas cut mud, cut 3% oil, no water - Hydrostatic Pressure 3175# - Flowing Pressure 100# - 15 minute BHP 450#.
- No. 4, 9-21-52 - 2 Hour Johnston Drill Stem Test 6655-6786' with 5/8" choke at 6630' - Used 2 packers 6647' and 6655' - Bombs at 6781 and 6786' - Tool opened 11:00 PM 9-21-52 Gas to surface 5 minutes (24 hour rate 82,100 cu.ft.) at end 1 hour gas decreased to small to measure - Medium blow of air throughout test Reversed out 16 bbls 42 gravity clean oil and 4 bbls oil and gas cut mud, cut 50% oil - Recovered below circulating sub 180' oil and gas cut mud, cut 50% oil 80' gas cut mud, no water - Hydrostatic Pressure 3175# - Flowing Pressure 1000# 15 minute BHP 2200#.
- No. 5, 9-24-52 - 1½ Hour Johnston Drill Stem Test 6786-6910' with 5/8" choke at 6762' - Used 2 packers 6778' and 6786' - Bombs at 6906' and 6908' - Tool opened 5:55 AM 9-24-52 - No gas, fair blow of air throughout test - Recovered 70' of drilling mud with trace of oil show and gas, no water - Hydrostatic Pressure 3350# - Flowing Pressure 0# - 15 minute BHP 75#.
- No. 6, 10-2-52 - 1½ Hour Johnston Drill Stem Test 7450-7550' with 5/8" Choke at 7425' - Used 2 packers at 7442' and 7450' - Bombs at 7546' and 7548' - Tool opened 4:30 AM 10-2-52 - No gas to surface, medium blow of air throughout test Recovered 309' drilling mud with trace of gas and oil, no water - Hydrostatic Pressure 3625# - Flowing Pressure 75# - 15 minute BHP 300#.
- No. 7, 10-6-52 - 2 Hour Johnston Drill Stem Test 7745-7872' with 5/8" choke at 7731' - Used 2 packers at 7737' and 7745' - Bombs at 7868' and 7870' - Tool opened at 5:00 AM 10-6-52 - No water blanket - Gas to surface 93 minutes, too small to measure - Recovered 275' oil and gas cut mud, cut 3% oil, no water - Hydrostatic Pressure 3500# - Flowing Pressure 50# - 15 minute BHP 0#.
- No. 8, 10-8-52 - 1 Hour Johnston Drill Stem Test 7832-7965' with 5/8" choke at 7849' - Used 2 packers at 7864' and 7872' - Bombs at 7961' and 7963' - Tool opened 2:55 PM 10-8-52 - Light blow of air decreasing at end of test - Recovered 65' drilling mud, no shows - Hydrostatic Pressure 3475# - Flowing Pressure 0# 15 minute BHP 0#.