

HARRY LEONARD "E" #5

DRILL STEM TESTS

No. 1, 7-29-52 - Drill Stem Test - Misrun.

No. 2, 7-30-52 - 1 Hour Johnston Drill Stem Test 7290-7415' with 3/4" choke at 7265' - Used 2 packers at 7290' and 7284' - Bombs at 7423' and 7421' - Tool opened 12:30 AM 7-30-52 - No gas, good blow of air throughout test - Recovered 350' gas cut mud with trace oil, no water - Hydrostatic Pressure 3875# - Flowing Pressure 150# - 15 minute BHP 475#.

No. 3, 9-6-52 - 1 1/2 Hour Halliburton Drill Stem Test 7875'-7950' with 5/8" choke at 7841' - Used 2 packers at 7867' and 7875' - Bombs at 7847' and 7948' - Tool opened 2:15 PM 9-6-52 - Gas to surface 9 minutes, 24 hour rate 12,800 cu.ft. - No fluid - Decrease and very weak blow of air 30 minutes, and dead in 1 hour - Recovered 3530' fluid, 3000' oil and gas cut mud, cut 40% oil, 530' salt water, 100' white sand - Hydrostatic Pressure 3876# - Flowing Pressure initial 780# final 2140# - No BHP.

No. 4, 9-11-52 - 1 Hour Halliburton Drill Stem Test 8175-8220' with 5/8" choke at 8194' - Used 2 packers at 8167' and 8175' - Bombs at 8148' and 8218' - Tool opened 9:45 AM 9-11-52 - No water blanket - Medium blow of air 30 minutes and bubble of air remainder of test - Recovered 55' drilling mud, no shows - Hydrostatic Pressure 4150# - Flowing Pressure 0# - 15 minute BHP 0#.

3D 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 8220' feet, and from FSTD 7930' feet to feet.  
Cable tools were used from feet to feet, and from feet to feet.

PRODUCTION

Put to Producing October 27, 1952, 19.  
OIL WELL: The production during the first 24 hours was Pumped 19 barrels of liquid of which 100% was  
was oil; 0% was emulsion; 0% water; and 0% 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.		T. Devonian	
T. Salt.		T. Silurian	
B. Salt.		T. Montoya	7320'
T. Yates	2670'	T. Simpson	7570'
T. 7 Rivers		T. McKee	7855'
T. Queen		T. Ellenburger	
T. Grayburg		T. Gr. Wash	
T. San Andres		T. Granite	
T. Glorieta	5190'	T. Connell	8170'
T. Drinkard		T.	
T. Tubbs	6175'	T.	
T. Abo		T.	
T. Penn.		T.	
T. Miss.		T.	

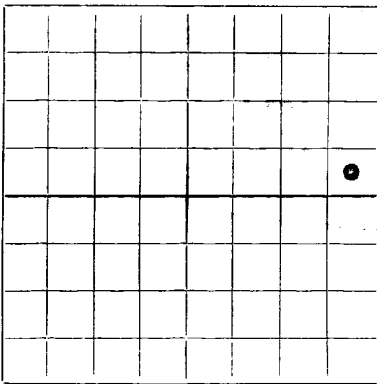
FORMATION RECORD

From	To	Thickness in Feet	Formation	From	To	Thickness in Feet	Formation
0'	90'		Surface Sand & Caliche	DEVIATIONS - TOTCO SURVEYS			
	105		Rock		DEPTH		DEG. OFF
	185		Red Bed		200'		3/4
	1275		Red Bed & Red Rock		800		1/2
	1375		Red Rock & Anhydrite		1050		1/2
	1555		Salt		1326		3/4
	2250		Salt & Anhydrite		1800		1/4
	3028		Anhydrite		2050		1/2
	3330		Anhydrite & Lime		2325		1
	7368		Lime		2600		1-1/2
	7404		Lime & Chert		3680		1
	7425		Lime		3980		1
	7479		Lime & Chert		4300		1
	7714		Lime		4600		3/4
	7950		Lime & Shale		5000		3/4
	7999		Shale & Sand		5550		1
	8072		Shale		5850		1/2
	8085		Shale & Sand		6150		1/2
	8116		Shale		6500		3/4
	8153		Shale & Lime		6950		1/2
	8164		Shale		7475		1-1/2
	8188		Shale & Lime		7790		1-3/4
	8200		Shale				
	8220		Lime & Shale				
	7930		PLUGGED BACK TOTAL DEPTH				

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.

November 14, 1952 (Date)  
Company or Operator Gulf Oil Corporation Address Box 2167, Hobbs, New Mexico  
Name Area Prod. Supt. Position or Title

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 "E"  
(Company or Operator) (Lease)

Well No. 5, in SE 1/4 of NE 1/4, of Sec. 16, T. 21-S, R. 37-E, NMPM.  
Hare Pool, Lea County.

Well is 2310 feet from North line and 330 feet from East line  
of Section 16-21s-37e. If State Land the Oil and Gas Lease No. is 27179

Drilling Commenced June 22, 1952, 19. Drilling was Completed October 27, 1952, 19.

Name of Drilling Contractor Fran Drilling Company

Address Box 1206, Odessa, Texas

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 7855' to 8035' 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
12-3/4"	50#	New	251'				
8-5/8"	32#	New	2786'				
5-1/2"	15 1/2 20#	New	7988'			7929' - 7865'	Production

## 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"	12-3/4"	268'	325	HOWCO		
11"	8-5/8"	2799'	1000	HOWCO		
7-7/8"	5 1/2"	7999'	131	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