

AREA 640 ACRES  
LOCATE WELL CORRECTLYNEW MEXICO OIL CONSERVATION COMMISSION  
Santa Fe, New Mexico

## 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 TRIPLICATE. FORM C-110 WILL NOT BE APPROVED UNTIL FORM C-105 IS PROPERLY FILLED OUT.

**Gulf Oil Corporation** **Hobbs, New Mexico**  
Company or Operator Address  
**H. T. Mattern** Well No. **2** in **SE NW SE** of Sec. **24**, T. **21S**  
Lease  
R. **36E**, N. M. P. M. **Arrowhead** Field, **Lea** County.  
Well is **1650** feet **North** of the **South** line and **1650** feet west of the East line of **Section 24**  
If State land the oil and gas lease is No. Assignment No.  
If patented land the owner is **W. S. Snyder** Address **Hobbs, New Mexico**  
If Government land the permittee is Address  
The Lessee is **Gulf Oil Corporation - Gypsy Division** Address **Tulsa, Oklahoma**  
Drilling commenced **February 13, 1949** Drilling was completed **March 12, 1949**  
Name of drilling contractor **Parker Drilling Company** Address **Tulsa, Oklahoma**  
Elevation above sea level at top of casing **3825** feet.  
The information given is to be kept confidential until **19**

## OIL SANDS OR ZONES

No. 1, from **3720'** to **3825'** 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 **(ROTARY TOOLS)** feet.  
No. 2, from to feet.  
No. 3, from to feet.  
No. 4, from to feet.

## CASING RECORD

SIZE	WEIGHT PER FOOT	THREADS PER INCH	MAKE	AMOUNT	KIND OF SHOE	CUT & FILLED FROM	PERFORATED		PURPOSE
							FROM	TO	
<b>9-5/8"</b>	<b>36#</b>	<b>8 Rd</b>	<b>SS</b>	<b>282'</b>					
<b>5-1/2"</b>	<b>15.5#</b>	<b>8 Rd</b>	<b>SS</b>	<b>3709'</b>					

## MUDDING AND CEMENTING RECORD

SIZE OF HOLE	SIZE OF CASING	WHERE SET	NO. SACKS OF CEMENT	METHODS USED	MUD GRAVITY	AMOUNT OF MUD USED
<b>12-1/4"</b>	<b>9-5/8"</b>	<b>296'</b>	<b>200</b>	<b>HOECO</b>		
<b>7-7/8"</b>	<b>5-1/2"</b>	<b>3720'</b>	<b>600</b>	<b>"</b>		

## 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
		<b>Acid - 15%</b>	<b>1000</b>			
		<b>" "</b>	<b>3000</b>			

Results of shooting or chemical treatment **Swabbed 37 bbls. of oil in 9 hours.**

## 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 **3825** feet, and from feet to feet  
Cable tools were used from feet to feet, and from feet to feet

## PRODUCTION

Put to producing **March 12, 1949**  
The production of the first **24** hours was **37** barrels of fluid of which **96** % was oil; **00** % emulsion; **2** % water; and **2** % sediment. Gravity, Be.  
If gas well, cu. ft. per 24 hours Gallons gasoline per 1,000 cu. ft. of gas  
Rock pressure, lbs. per sq. in.

## EMPLOYEES

**Parker Drilling Company**, Driller, Driller  
Driller, 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 **21st** **Hobbs, New Mexico** **March 21, 1949**  
day of **March**, 19**49** Name **E. J. Gallagher**  
Notary Public Position **District Supt.**  
Representing **Gulf Oil Corporation**  
Company or Operator Address **Box 1667, Hobbs, New Mexico**  
My Commission expires **10-24-49**

# FORMATION RECORD

FROM	TO	THICKNESS IN FEET	FORMATION
0	173'		Caliche
	783		
	955		Shale & shells
	1220		Shale
	1363		Shale & shells
	1475		Anhydrite & shale
	1542		Shale & Salt streaks
	1991		Anhydrite & salt
	2130		Salt streaks & shells
	2325		Salt & anhydrite
	2485		Salt & anhydrite
	2586		Anhydrite and lime
	2640		Anhydrite and lime
	2695		Anhydrite and lime
	2753		Lime
	2887		Anhydrite and lime
	3182		Lime & gyp
	3626		Lime
	3825		Lime

## FORMATION TOPS

Anhydrite	1290'
Base Salt	2520'
Brown Lime	2620'
White Lime	3680'
Oil Pay	3720' to 3825'