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HOBBS OFFICE

N

**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**

AREA 640 ACRES  
LOCATE WELL CORRECTLY

Shell Oil Company, Incorporated Box 1457 Hobbs, New Mexico  
Company or Operator Address  
S. J. Sarkays Well No. 2 in SW/4 of Sec. 23, T. 21-S  
Lease  
R. 37-E, N. M. P. M., Drinkard Field, Lea County.  
Well is 3300 feet south of the North line and 3300 feet west of the East line of Sec. 23, 21-S, 37-E  
If State land the oil and gas lease is No. - Assignment No. -  
If patented land the owner is S. J. Sarkays, Address -  
If Government land the permittee is - Address -  
The Lessee is Shell Oil Company, Incorporated, Address Box 1457 Hobbs, N. Mex.  
Drilling commenced 6-20 19 48 Drilling was completed 7-28- 19 48  
Name of drilling contractor Rowan Drilling Co., Address Ft. Worth, Texas  
Elevation above sea level at top of casing 3398 feet.  
The information given is to be kept confidential until not confidential 19

## OIL SANDS OR ZONES

THE HANDS OF LONES (not complete)

|                  |         |                             |                        |
|------------------|---------|-----------------------------|------------------------|
| No. 1, from 6413 | to 6518 | No. 4, from 6584            | to 6610 ly penetrated) |
| No. 2, from 6518 | to 6543 | No. 5, from not intersected |                        |
| No. 3, from 6543 | to 6584 | 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

[illegible]

## MUDGING AND CEMENTING RECORD

| SIZE OF HOLE | SIZE OF CASING | WHERE SET | NO. SACKS OF CEMENT | METHODS USED | MUD GRAVITY | AMOUNT OF MUD USED |
|--------------|----------------|-----------|---------------------|--------------|-------------|--------------------|
| 17 1/2"      | 13 3/8"        | 229       | 250                 | Pump & Plug  | 9.0         |                    |
| 11"          | 8 5/8"         | 2909      | 1500                | " " "        | 10.2        |                    |
| 7 7/8"       | 5 1/2"         | 6460      | 1000                | " " "        | 9.5         |                    |

## PLUGS AND ADAPTERS

Heaving plug—Material.....Length.....Depth Set.....

Adapters—Material.....Size.....

## RECORD OF SHOOTING OR CHEMICAL TREATMENT

| SIZE                                                                                                                   | SHELL USED | EXPLOSIVE OR<br>CHEMICAL USED | QUANTITY | DATE | DEPTH SHOT<br>OR TREATED | DEPTH CLEANED OUT |
|------------------------------------------------------------------------------------------------------------------------|------------|-------------------------------|----------|------|--------------------------|-------------------|
| Washed from 6460 to 6610' with 500 gallons mud acid and treated from 6460 to 6610' with 1500 gallons regular 15% acid. |            |                               |          |      |                          |                   |

Results of shooting or chemical treatment. Recovered 198 barrels oil and acid load then flowed on O.P.T. as stated below.

## 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 6610 feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet.

Cable tools were used from \_\_\_\_\_ feet to \_\_\_\_\_ feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet.

PRODUCTION (O.P.T.)

Put to producing..... **July 28** ....., 19 **48**

The production of the first 24 hours was..... **240.18** .....barrels of fluid of which..... **99.4** .....% was oil;..... **0** .....% emulsion;..... **0** .....% water; and..... **.6** .....% sediment. Gravity, Be. **35° A.P.I. corrected**

If gas well, cu. ft. per 24 hours..... Gallons gasoline per 1,000 cu. ft. of gas.....

Rock pressure, lbs. per sq. in..... **G.O.P. = 960**

**EMPLOYEES**

H. M. Carratti, Driller J. B. Regadale, Driller  
John S. Holand, Driller Roy Lynch, 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 30th

day of **July**, 19 **48**

Kene A. Davis  
Notary Public

My Commission expires my Commission Expires Sept. 16, 1950

Hobbs, New Mexico July 30, 1948

Place Frank R. Lovering Date \_\_\_\_\_  
Name Frank R. Lovering

Position District Superintendent  
Representing Shell Oil Company, Incorporated  
Company or Operator

Address Box 1457 Hobbs, New Mex

FORMATION RECORD

| FROM                          | TO            | THICKNESS<br>IN FEET | FORMATION                                                                                                                                                                                          |
|-------------------------------|---------------|----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NO SAMPLES TAKEN ABOVE 5500'. |               |                      |                                                                                                                                                                                                    |
| 5500                          | 6150          | 650                  | Dolomite, with streaks black shale, trace of porosity and oil staining.                                                                                                                            |
| 6150                          | 6250          | 100                  | Dolomite and Sand                                                                                                                                                                                  |
| 6250                          | 6413          | 163                  | Dolomite                                                                                                                                                                                           |
| 6413                          | 6610          | 197                  | Dolomite porous and oil stained.                                                                                                                                                                   |
|                               |               |                      | From Electrical Log:                                                                                                                                                                               |
|                               |               |                      | Base San Andres 5137                                                                                                                                                                               |
|                               |               |                      | Top Paddock Pay 5190                                                                                                                                                                               |
|                               |               |                      | Top Blinbry 5590                                                                                                                                                                                   |
|                               |               |                      | Top Tubb 6150                                                                                                                                                                                      |
|                               |               |                      | Top Gas Pay 6413                                                                                                                                                                                   |
|                               |               |                      | Top Oil Pay 6440                                                                                                                                                                                   |
|                               |               |                      | Total depth 6610                                                                                                                                                                                   |
| <u>P.S.T. No. 1:</u>          | 6450 to 6610' |                      | 5/8" x 3/4". Tool open 3 hours. Gas in 11 minutes. Recovered 120' mud, 90' oil and gas out mud, 810' pipe line oil, 90' mud cut oil, 60' mud. F.B.H.P. 400 p.s.i. 15 minute S.I.B.H.P. 2250 p.s.i. |