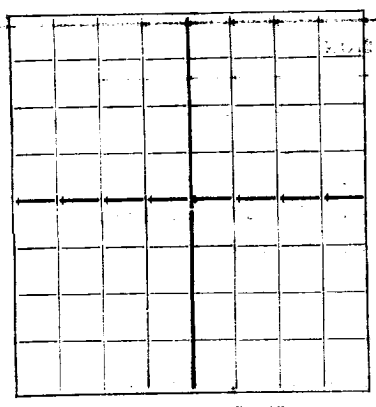
FORM C-105

N.



AREA 640 ACRES
LOCATE WELL CORRECTLY

# NEW MEXICO OIL CONSERVATION COMMISSION

Santa Fe, New Mexico

RECEIVED
JUN 8 - 1938
HOBBS OFFICE

## 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.

DUPLICATE

WESTERN GAS COMPANY, Jal, N. M., & 1010 Bassett Tower, El Paso, Tex.
Company or Operator Address

Curry Well No. 1 in SE of the SE of Sec. 1, T. 24 S
Lease

R. 36 E, N. M. P. M., Cooper Field, Lea County.

Well is 660 feet south of the North line and 660 feet west of the East line of section.

If State land the oil and gas lease is No. _____ Assignment No. _____

If patented land the owner is Issac Curry, Address El Paso, Texas

If Government land the permittee is _____, Address _____

The Lessee is _____, Address _____

Drilling commenced 3-18-38 19___. Drilling was completed 6-1-38 19___

Name of drilling contractor Hershbach Drlg. Co., Address Dallas, Texas

Elevation above sea level at top of casing 3344 feet.

The information given is to be kept confidential until _____ 19___.

## OIL OR GAS SANDS OR ZONES

| | | | | | |
|---|---|---|---|---|---|
| No. 1, from | 2914 | to 2965 | No. 4, from | 3358 | to 3400 |
| No. 2, from | 3103 | to 3162 | No. 5, from | 3440 | to 3540 |
| No. 3, from | 3288 | to | No. 6, from | 3575 | to 3697 (oil & water) |

## 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 | THREADS PER INCH | MAKE | AMOUNT | KIND OF SHOE | CUT & FILLED FROM | PERFORATED FROM | PERFORATED TO | PURPOSE |
|---|---|---|---|---|---|---|---|---|---|
| 13 | 40 | | J&L | 193 | | | | | water |
| 8-5/8 | 32 | | aos | 2761 | | | | | salt |
| 5½ | 17 | | J&L | 3300 | | | | | production |
| 2½" upset tubing | | | | 3538 | | | | | |

## MUDDING AND CEMENTING RECORD

| SIZE OF HOLE | SIZE OF CASING | WHERE SET | NO. SACKS OF CEMENT | METHOD USED | MUD GRAVITY | AMOUNT OF MUD USED |
|---|---|---|---|---|---|---|
| ~~15½~~ | ~~13~~ | ~~210~~ | ~~225~~ | ~~Halliburton~~ | ~~9.0~~ | |
| ~~9-3/4~~ | ~~8-5/8~~ | ~~2776~~ | ~~850~~ | ~~"~~ | ~~9.5~~ | |
| ~~7-7/8~~ | ~~5½~~ | ~~3310~~ | ~~20~~ | ~~"~~ | ~~10.0~~ | |

## 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 |
|---|---|---|---|---|---|---|
| | | | | | | |
| | | | | | | |
| | | | | | | |

Results of shooting or chemical treatment _____

~~Plugged well back from total depth to 3538.~~

## 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 140 feet to 3697 feet, and from _____ feet to _____ feet

Cable tools were used from 0 feet to 140 feet, and from _____ feet to _____ feet

## PRODUCTION

Put to producing 6-2-38, 19___

The production of the first 24 hours was _____ barrels of fluid of which _____% was oil; _____% emulsion; _____% water; and _____% sediment. Gravity, Be _____

If gas well, cu. ft. per 24 hours 8,000,000 Gallons gasoline per 1,000 cu. ft. of gas _____

Rock pressure, lbs. per sq. in. 1400#.

## EMPLOYEES

L. Payne, Driller Red Cookston., Driller

D. Schoab, 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 3rd day of June, 1938

George C. Kendrick
Notary Public

My Commission expires Sept 20, 1941

Jal, New Mexico 6-2-38
Place Date

Name W. K. Davis

Position Petroleum Engineer

Representing WESTERN GAS COMPANY
Company or Operator

Address Jal, New Mexico

## FORMATION RECORD

| FROM | TO | THICKNESS IN FEET | FORMATION |
|---|---|---|---|
| Surface | 1190 | | sand, shale, red beds, caliche, gypsum |
| | 1370 | | anhydrite, sand, shale |
| | 2330 | | anhydrite, salt, shale |
| | 2560 | | anhydrite, salt, shale breaks |
| | 2730 | | anhydrite, salt, shale |
| | 2760 | | anhydrite, shale |
| | 2785 | | anhydrite, shale, lime |
| | 2885 | | lime, anhydrite |
| | 2930 | | lime, anhydrite, shale, sand |
| | 2945 | | lime, anhydrite, shale, sand, gypsum |
| | 2970 | | anhydrite, lime, shale, gypsum |
| | 3080 | | lime, sand |
| | 3100 | | lime, sand, shale, anhydrite breaks. |
| | 3697 | | lime, sand, shale streaks. |

### SPECIAL TESTS

A Schlumberger was made of the well from 2776 to 3385 to determine the gas zones, and locate a casing point for the 5½".

An open flow test from 3310 to 3400 showed 22 M$^2$ of sweet gas.

With a packer at 3402, and open hole to 3495, the well tested 8 M$^2$ of sweet gas. A similar test with packer at 3440 and a total depth of 3575, showed 10 M$^2$ of sweet gas.

A Halliburton test from 3590 to 3670 showed a small amount of sweet gas, 120' drilling fluid, and a show of oil. Then with packer at 3590 tested 120 barrels of fluid per day, 2 days.

At TD 3697, a packer was run to 3590 and the well was swabbed for two days. It made approximately 400 barrels of fluid per day, 50% base sediment & water, and 50% oil. Later tests showed 87% base sediment and water. The gravity of the oil was 27.2 corrected, and the water contained 11 grains of sulfur per gallon.

The well was then plugged back, and completed.