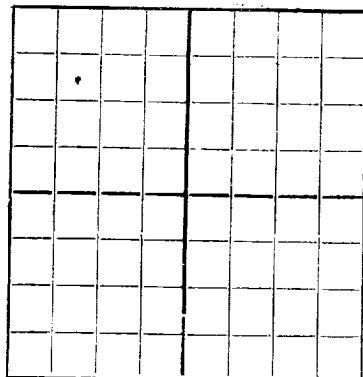


N.

NEW MEXICO OIL CONSERVATION COMMISSION

Santa Fe, New Mexico

WELL RECORD

AREA 640 ACRES
LOCATE WELL CORRECTLY

Mail to Oil Conservation Commission, Santa Fe, New Mexico, or 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.

Cities Service Oil Company Hardin
Company or Operator Lease
Well No. 5 in C-SE NW NW Sec. 19, T. 18 S
R. 38 E, N. M. P. M., Hobbs Field, Lea County.
Well is 990 feet south of the North line and 4290 feet west of the East line of Sec. 19-18 S-38 E
If State land the oil and gas lease is No. - Assignment No. -
If patented land the owner is Been Hardin, Address Hobbs, New Mexico
If Government land the permittee is -, Address -
The Lessee is Cities Service Oil Company, Address Bartlesville, Oklahoma
Drilling commenced April 6, 1952 Drilling was completed May 9 1952
Name of drilling contractor Makin Drilling Company, Address Hobbs, New Mexico
Elevation above sea level at top of casing 3670 feet.
The information given is to be kept confidential until - 19 -

OIL SANDS OR ZONES

No. 1, from 4242' to 4248' 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	THREADS PER INCH	MAKE	AMOUNT	KIND OF SHOE	CUT & FILLED FROM	PERFORATED FROM	TO	PURPOSE
<u>8-5/8"</u>	<u>24#</u>	<u>8R</u>	<u>J-55</u>	<u>242.19'</u>	<u>Larkin</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>
<u>5-1/2"</u>	<u>14#</u>	<u>8R</u>	<u>J-55</u>	<u>4245.45'</u>	<u>Baker</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>

MUDDING AND CEMENTING RECORD

SIZE OF HOLE	SIZE OF CASING	WHERE SET	NO. SACKS OF CEMENT	METHOD USED	MUD GRAVITY	AMOUNT OF MUD USED
<u>11"</u>	<u>8-5/8"</u>	<u>251.59'</u>	<u>200</u>	<u>Plug</u>	<u>-</u>	<u>-</u>
<u>7-7/8"</u>	<u>5-1/2"</u>	<u>4253.62'</u>	<u>1500</u>	<u>Plug</u>	<u>-</u>	<u>-</u>

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
<u>-</u>	<u>-</u>	<u>-</u>	<u>250 Gal.</u>	<u>5-13-52</u>	<u>4242' to 4248'</u>	<u>-</u>

Results of shooting or chemical treatment Tested in tank 5 hours on 26/64" choke. Flowed 58
bbls. oil cut 4/10% with 250# FTP.

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 4255 feet, and from - feet to - feet.
Cable tools were used from - feet to - feet, and from - feet to - feet.

PRODUCTION

Put to producing May 13, 1952
The production of the first 2 1/2 hours was 58 barrels of fluid of which 99.6 % was oil; - %
emulsion; .4 % water; and - % sediment. Gravity, Be. 32.0
If gas well, cu. ft. per 24 hours - Gallons gasoline per 1,000 cu. ft. of gas -
Rock pressure, lbs. per sq. in. -

EMPLOYEES

-, 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 14th Hobbs, New Mexico May 14, 1952
day of May, 19 52 Name Lee
Position District Superintendent
Notary Public Representing Cities Service Oil Company
Company or Operator.
My Commission expires February 8, 1954 Address Box 97, Hobbs, New Mexico

FORMATION RECORD

FROM	TO	THICKNESS IN FEET	FORMATION
0'	115'	115'	Surface, Sand, & Calachie
115'	253'	138'	Red Bed
253'	571'	318'	Anhydrite and Red Bed
571'	949'	378'	Red Bed
949'	1432'	483'	Anhydrite and Red Bed
1432'	1580'	148'	Anhydrite
1580'	1685'	105'	Anhydrite, Salt, Red Bed
1685'	2370'	685'	Salt & Anhydrite
2370'	2552'	182'	Anhydrite and Gyp
2552'	2640'	88'	Anhydrite and salt
2640'	2761'	121'	Anhydrite and Gyp
2761'	2850'	89'	Anhydrite, Gyp and Lime
2850'	2905'	55'	Lime and Anhydrite
2905'	2965'	60'	Brown Lime and Anhydrite
2965'	3303'	338'	Lime, Gyp and Anhydrite
3303'	3315'	12'	Gyp and Lime
3315'	3368'	53'	Gyp
3368'	3395'	27'	Lime
3395'	3704'	309'	Lime and Gyp
3704'	3754'	50'	Lime
3754'	3842'	88'	Lime and Gyp
3842'	3860'	18'	Lime
3860'	3940'	80'	Lime and Dolomite
3940'	4011'	71'	Lime
4011'	4030'	19'	Lime and Dolomite
4030'	4255'	225'	Lime
			DST # 1
			Tried to run DST #1, Packer failed.
			DST # 2
			Ran DST #2 w/2 packers (4001'-4053') (52'). Tool open 2 hours. Gas to surface 8 min. Good blow throughout test. Packers leaked some during entire test. Recovered 2580' heavily gas cut drilling fluid. IFP 540, FFP 990#, BUP failed.
			Formation Tops
			Anhydrite 1490' - 2180'
			Salt 1585' - 2085'
			Brown Lime 2800' - 870'
			San Andres 4015' - 345'