OIL CONSERVATION COMMISSION
SANTA FE, NEW MEXICO
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FORM C-105

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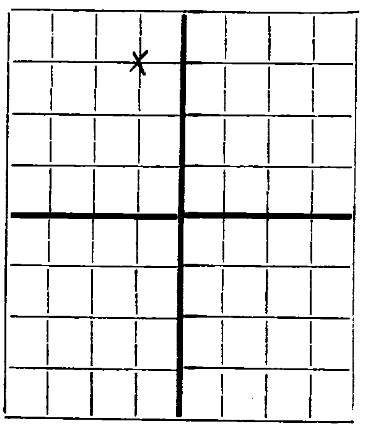

AREA 640 ACRES
LOCATE WELL CORRECTLY

NEW 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.

The Ohio Oil Company (Company or Operator) Hobbs, New Mexico (Address)

Walter Lynch (Lease) Well No. 5 in NE/4,NW/4 of Sec. 1, T. 22-S

R. 37-E, N. M. P. M., Drinkard Field, Lea County.

Well is 660 feet south of the North line and 3300 feet west of the East line of Sec. 1-22-37

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

If patented land the owner is Walter Lynch, Address Midland, Texas

If Government land the permittee is , Address

The Lessee is The Ohio Oil Company, Address Hobbs, New Mexico

Drilling commenced April 8, 1947 Drilling was completed May 10, 1947

Name of drilling contractor J. F. Postelle, Address Odessa, Texas

Elevation above sea level at top of casing 3361 feet.

The information given is to be kept confidential until 19

OIL SANDS OR ZONES

No. 1, from 5168	to 5183	No. 4, from 6440	to 6525
No. 2, from 5173	to 5200	No. 5, from	to
No. 3, from 5213	to 5230	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		PURPOSE
							FROM	TO	
13/3/8"	48	8R	Spang	291' 9"	Plain thd end				
8-5/8"	32	8R	"	2809'	HOWCO				
5-1/2"	17	8R	"	6477' 9"	Baker Triplex				

MUDDING AND CEMENTING RECORD

SIZE OF HOLE	SIZE OF CASING	WHERE SET	NO. SACKS OF CEMENT	METHODS USED	MUD GRAVITY	AMOUNT OF MUD USED
17"	13-3/8"	300'	250	Halliburton		
11"	8-5/8"	2800'	1500	"		
7"	5-1/2"	6440'	500	"		

PLUGS AND ADAPTERS

Heaving plug—Material See attached sheets 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
		Acid	17000 gal.		6440 - 6575	
		"	4000 gal.	6/14/47	5168 - 5183	

See attached sheets

Results of shooting or chemical treatment After plugging back from 6575' to 5184' and acidizing this section with 4000 gal. acid, well swabbed 26.40 B/O on 24 hrs. test. Pump has been installed.

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 surface feet to TD 6575 feet, and from - feet to - feet

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

PRODUCTION

Put to producing July 1, 1947

The production of the first 24 hours was 26 barrels of fluid of which 100 % was oil; % emulsion; % water; and % sediment. Gravity, Be 37

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

Rock pressure, lbs. per sq. in.

EMPLOYEES

J. M. Darnell, Driller D. F. Garrett, Driller
J. P. Ivey, 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 11
day of July, 1947
E. M. Cellan
Notary Public
MY COMMISSION EXPIRES AUG. 19, 1947
My Commission expires

Hobbs, New Mexico (Place) 7/11/47 (Date)
Name P. B. Stewart
Position Superintendent
Representing The Ohio Oil Company (Company or Operator)
Address Box 1607, Hobbs, New Mexico

FORMATION RECORD

FROM	TO	THICKNESS IN FEET	FORMATION
0	70	70	Surface Sand - Caliche
70	85	15	Surface Sand
85	1000	915	Red Bed
1000	1200	200	Red Bed - Shells
1200	1310	110	Anhydrite
1310	1335	25	Salt - Shells
1335	1535	200	Salt Anhydrite- Shells
1535	2420	885	Salt Anhydrite
2420	3475	1055	Anhydrite
3475	6575	3100	Lime

DEVIATION SURVEY

Depth Taken	Degrees off Vertical
250	0
500	0
750	0
1000	0
1250	0
1500	0
1750	0
2000	0
2250	1
2500	0
2750	1
3000	1
3250	0
3500	0
3750	1
4000	0
4250	1
4500	1
4750	0
5000	1
[illegible]	1/2
5500	0
5750	1/2
6000	1/2
6250	1
6500	1/2

Walter Lynch Well No. 5

DST No. 1, from 5113' to 5153'. Tool open 1 hr. and 15 min. Small blow of air thruout test. Recovered 90' of slightly oil and gas cut mud.

DST No. 2, from 5153' to 5203'. Tool open 45 min. Fair blow of air thruout test. Recovered 100' slightly cut oil and gas drilling mud. Flowing pressure 150#, mud weight 2500#.

T. D. 6525' Lime, on natural test well swabbed 3 B/O in 4 hrs., then acidized W/500 gal. mud acid. Flushed out with oil then re-acidized W/2000 gal. acid from 6440 to 6525'. Swabbed load oil, well cleaned up to 2%, well swabbed 33 B/O in 12 hrs. Re-acidized W/8000 gal. 15% acid from 6440' to 6525'. Swabbed load oil and approximately 6 bbls. more. Drilled deeper to 6555', attempted to acidize W/Dowell Elec. Pilot from 6530' to 6555', unable to hold acid below 6530'. Pulled tubing and re-ran W/Packer set at 6530'. Acidized W/2500 gal. 20% acid from 6530' to 6555'. Well swabbed and flowed 156 B/F. In 10 hr. test well swabbed 66 B/O cut 5/10% acid water. Then shut well in to pressure up, in 6 hrs. tubing pressure built up to 100#. Well failed to flow. Swabbed 105 B/O in 24 hrs. Recovered load oil plus about 5 B/O more. Pulled tubing and went in hole W/ 4-3/4" bit to drill deeper. Drilled to 6575' T. D. 6575'. Ran Sweet Packer. Packer failed to hold, killed welland repset Packer @ 6542'. Packer again failed to hold. Pulled out packer reran with seating nipple on bottom @ 6574'. Circulated and washed off bottom, then picked up tubing to 6535'. Attempted to acidize W/Dowell Pilot 6535' to 6575'. Unable to make formation take acid after using 2350# pressure. Circulated acid out of tubing. Plugged back W/35 sacks cement to 6255'. Set Packer and Retainer @ 5384'. Plugged back W/5 sacks additional cement to 5343', found top of cement plug @ 5343'. Perforated 5-1/2" casing W/160 - 1/2" shots from 5200' up to 5173'. Set American Type "G" Packer @ 5137'. Then acidized thru perforation 5173' to 5200' W/2000 gal 20% low tension acid. Well swabbed 30 B/O and 40 B/Formation Water in 14 hrs. Swabbed at the rate of 60 B/O and 80 B/W per day. Squeezed ~~pxxxxxxxx2000#~~ off perforations from 5173' to 5200' W/85 sacks reg. cement. Squeeze pressure 2000# to 3200#. Set Baker drillable cement re retainer @ 5131'. Then drilled out retainer and cement to 5343'. Ran 2-3/8" tubing back in, set @ 5201'. Set Packer @ 5130' W/perforations at 5198' to 5201'. Tested squeeze job in perforations, found O.K. Re-perforated 5-1/2" casing W/102 -1/2" shots from 5213' to 5230'. Set tubing at 5335'. Set American Type "G" Packer @ 5203'. Perforations in tubing 5224' to 5227', acidized thru this perforation from 5213' to 5230' W/1000 gal 20% acid. Swabbed and recovered 40 B/SW more than oil and acid load, circulated 20 sacks thru perforations 5213' to 5230', recementing 5-1/2" casing. Set Baker cement retainer @ 5205'. Spotted 20 sacks cement thru retainer, recementing 5-1/2" casing from 5230' up to 5200'. Then set Baker retreavable cement retainer @ 5185'. Tested lower section of perforation, found to be leaking at the rate of 100# per minute. Came out of hole W/ cement retainer, went back in with American Type "G" packerset @ 5150'. Swabbed load oil, came out of hole, set Baker retreavable cement retainer @ 5100'. Squeezed off perforations from 5173' to 5200', W/55 sacks cement then drilled out cement retainer and washed out 5-1/2" casing to 5297'.

Tested W/1050# for 60 min. then filled up with 86' pea gravel, 27' plastic from 5297' to 5184' Then re-perforated 5-1/2" casing from 5183' up to 5168' W/90 - 1/2" shots. Packer set @ 5135', reran tubing @ 5180'.Tubing perforated 5154' to 57'. Swabbed tubing dry, acidized W/1000 gal. 20% acid thru perforation at 5168' to 5183'. Swabbed 62 bbls. load oil and acid water, 20 bbls. more than load oil. Then re-acidized W/3000 gal. 15% acid. Swabbed 128 bbls. load oil and acid water, cut 60% SW//. 2nd. 24 hr. test swabbed 26.4 bbls. oil and 48 B/BS&W. Pulled packer and put well on pump.