

44-10-105

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NEW MEXICO OIL CONSERVATION COMMISSION

Santa Fe, New Mexico

Grid for well location with columns and rows.

WELL RECORD

Mail to Oil Conservation Commission, Santa Fe, New Mexico, or its proper agent not more than twenty days after completion of well.

AREA 640 ACRES LOCATE WELL CORRECTLY

Company and location information: Humble Oil & Refining Company, Houston, Texas, New Mexico State 11, Well No. 5, Section 19, T. 22 South, R. 37 East, Arrambal Field, Lea County.

OIL SANDS OR ZONES

Oil sands zones: No. 1, from 3540 to 3715; No. 2, from ...; No. 3, from ...; No. 4, from ...; No. 5, from ...; No. 6, from ...

IMPORTANT WATER SANDS

Water sands information: Include data on rate of water inflow and elevation to which water rose in hole. No. 1, from ... to ... feet.

CASING RECORD

Table with columns: SIZE, WEIGHT PER FOOT, THREADS PER INCH, MAKE, AMOUNT, KIND OF SHOE, CUT & FILLED FROM, PERFORATED FROM/TO, PURPOSE. Includes entries for 5 5/8" CD and 5 1/2" CD.

MUDDING AND CEMENTING RECORD

Table with columns: SIZE OF HOLE, SIZE OF CASING, WHERE SET, NO. SACKS OF CEMENT, METHOD USED, MUD GRAVITY, AMOUNT OF MUD USED. Includes entries for 18 5/4" x 5 5/8" and 6 5/4" x 5 1/2".

PLUGS AND ADAPTERS

Heaving plug—Material Length Depth Set; Adapters—Material Size

RECORD OF SHOOTING OR CHEMICAL TREATMENT

Table with columns: SIZE, SHELL USED, EXPLOSIVE OR CHEMICAL USED, QUANTITY, DATE, DEPTH SHOT OR TREATED, DEPTH CLEANED OUT. Includes entry for Halliburton Acid.

Results of shooting or chemical treatment: Prior to treatment well scrubbed approximately 14 bbls per hour. After treatment well flowed at rate of 304 bbls per day through 2" open tubing.

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. See Reverse Side.

TOOLS USED

Rotary tools were used from 0 feet to 3715 feet, and from ... feet to ... feet. Cable tools were used from ... feet to ... feet, and from ... feet to ... feet.

PRODUCTION

Put to producing November 15, 1940. The production of the first 24 hours was 304 barrels of fluid of which 29.2% was oil; 0% emulsion; None% water; and 2/10 of 1% sediment. Gravity, Be 37.2 at 60°.

EMPLOYEES

G. R. Cherry, Driller; M. L. Pritchard, Driller; K. C. Langston, Driller; R. Andrews, Driller; G. E. Oberg

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 25th day of November 1940. Notary Public. Midland, Texas, November 25, 1940. Name: [Signature] Position: Division Superintendent. Representing Humble Oil & Refining Co. Address: Box 1600, Midland, Texas.

FORMATION RECORD

FROM	TO	THICKNESS IN FEET	FORMATION
0	18	18	Collar
18	70	52	Caliche
70	118	48	Surface Sand
118	171	53	Hard Sand
171	205	34	Red Bed
205	290	85	Red Rock
290	1502	1212	Red Bed
1502	1597	95	Anhydrite
1597	1640	43	Anhydrite & Streaks Salt.
1640	2197	557	Salt & Streaks Anhydrite.
2197	2198	1	Salt
2198	2199	1	Anhydrite.
2199	2229	30	Salt & Streaks Anhydrite.
2229	2234	5	Anhydrite.
2234	2210	24	Salt
2210	2277	67	Anhydrite
2277	2274	3	Anhydrite & Streaks Lime
2274	2280	6	Lime
2280	2702	422	Lime (Broken)
2702	2712	10	Lime
	TOTAL	2712	
	DEPTH	F.S.L.	

GUN PERFORATION AND MISCELLANEOUS DATA ON WELL NOT ORDINARILY CALLED FOR.

5 1/2" OD Casing perforated with Lane-Wells Gun Perforator with 118 - 45 calibre shots from 2540' to 2600' and from 2600' to 2712' with 250 shots.

DEVIATION SURVEY.

<u>MEASUREMENT</u>	<u>DEPTH</u>	<u>DEVIATION</u>
Wire Shot	400	1/8 Degree
Wire Shot	800	1 Degree
Wire Shot	1200	1 Degree
Wire Shot	1600	0 Degree
Wire Shot	2200	2 1/2 Degree
Wire Shot	2712	2 1/2 Degree

Orig & Sec: N.M. Conservation Commission
 Box 1545
 Hobbs, New Mexico
 cc: R. K. Simlair, Houston, Texas
 cc: J. W. House, Midland, Texas
 cc: Files.