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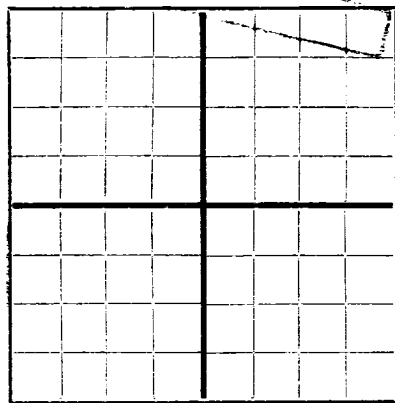
FORM C-105

Oil Conservation Commission
Santa Fe, New Mexico

NEW MEXICO OIL CONSERVATION COMMISSION
Santa Fe, New Mexico

WELL RECORD

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HOBBBS OFFICE



AREA 640 ACRES
LOCATE WELL CORRECTLY

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.

At a Exploration Company 504 Hollingsworth Building Los Angeles, California
Lightcap Well No. 2 in T. 21 of Sec. 21, T. 7
R. 20, N. M. P. M. 11000 Field, 11000 County.
Well is 1940 feet south of the North line and 3300 feet west of the East line of section 7.
If State land the oil and gas lease is No. Assignment No.
If patented land the owner is Mr. O'Brien, Address Perry, New Mexico
If Government land the permittee is Address
The Lessee is Address
Drilling commenced November 9, 1949 Drilling was completed August 4, 1949
Name of drilling contractor Red Pool Address
Elevation above sea level at top of casing 4039 feet.
The information given is to be kept confidential until 19.

OIL SANDS OR ZONES
No. 1, from 1030 to 10500 No. 4, from 2315 to 2375
No. 2, from 1130 to 11500 No. 5, from 2136 to 2521
No. 3, from 2050 to 2206 No. 6, from 2232 to 2234

IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.
No. 1, from 300 to 350 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	
10"	32	10	SH	30					Conductor
7"	20	8	How	2161					Oil String

MUDDING AND CEMENTING RECORD

SIZE OF HOLE	SIZE OF CASING	WHERE SET	NO. SACKS OF CEMENT	METHODS USED	MUD GRAVITY	AMOUNT OF MUD USED
10"	700	2161	10	Halliburton		

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
3000	Gallons acid		236-2500			

Results of shooting or chemical treatment

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 2130 feet to 2140 feet, and from feet to feet
Cable tools were used from 0 feet to 2130 feet, and from feet to feet

PRODUCTION

Put to producing, 19.
The production of the first 24 hours was 10250 barrels of fluid of which % was oil; % emulsion; % water; and % sediment. Gravity, Be.
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 11/4 day of April, 1949
Paul R. Dillard
Notary Public

My Commission expires January 13, 1954

Artesia, New Mexico
Name H. R. Dorte
Position Authorized Agent
Representing Artesia Exploration Company
Company or Operator
Address 505 Hollingsworth Building
Los Angeles, California

FORMATION RECORD

FROM	TO	THICKNESS IN FEET	FORMATION
1000	1010	10	40% Anhy wh & pk granular, very porous; 60% sh red fine, some dark & purple red
1010	1020	10	40% Anhy. ditto; 40% sh. ditto; 20% sd. red fine silty
1020	1030	10	60% Anhy. ditto; 30% sh. ditto; 10% sd. ditto
1030	1040	10	10% Anhy. ditto; 70% sh. purple-red(dark), 20% sh lt. gray;
1040	1050	10	10% Dol. wh solid porous; 60% Anhy. wh & Pk solid to gran. & xtaline; 30% sh drk purple-red & pk, tr buff coarse
(Second Sample)			70% Dol. wh & pk solid to gran & xtaline, porous; 30% red and purple red.
1050	1060	10	40% Anhy. ditto; 60% sh ditto
1060	1070	10	10% Anhy ditto; 90% sh ditto
1070	1080	10	80% Anhy. ditto; 20% sh ditto
1080	1090	10	50% Anhy. ditto; 20% sh ditto; 30% sd pk & red coarse silty
1090	1100	10	30% dol wh dense; 30% anhy ditto; 30% sh ditto; 10% sand ditto
1100	1110	10	30% Dol ditto; 30% Anhy ditto; 30% sh ditto; 10% sand ditto.
1110	1120	10	40% Dol ditto; 30% Anhy ditto; 30% sh ditto; tr sd ditto.
1120	1130	10	20% Dol ditto; 60% Anhy ditto; 20% sh ditto
1130	1140	10	20% Dol ditto; 60% Anhy wh tr pk very porous; 20% sh red & purple
1140	1150	10	20% Dol ditto; 50% Anhy ditto; 30% sh ditto; 10% lt pk & red, silty coarse
1150	1160	10	tr Dol ditto; 30% Anhy ditto; 70% sh ditto; tr sd ditto
1160	1170	10	80% Anhy ditto, dense xtaline; 20% sh ditto
1170	1180	10	40% Anhy wh, gran to xtaline to pk; 60% sh bright red & purple red
1180	1190	10	50% Anhy ditto, porous; 50% sh ditto
1190	1200	10	30% Anhy ditto; 70% sh ditto
1200	1210	10	tr Dol wh dense solid; 40% Anhy ditto; 60% sh ditto; tr tan xtaline
1210	1220	10	20% Anhy ditto; 80% sh ditto
1220	1230	10	20% Dol wh to tan gray to pk, dense solid
1230	1240	10	20% Dol ditto; 30% Anhy ditto; 40% sh ditto; 10% red silty
1240	1250	10	tr Dol ditto; 20% Anhy ditto; 50% sh ditto; 30% lt gr to wh
1250	1260	10	10% Dol ditto, no pk, solid dense; 20% Anhy ditto; 10% sh ditto, gray; 60% sh purple red, as above
1260	1270	10	20% Dol ditto, w/tr buff, nodular dense; 20% Anhy ditto; 50% sh ditto; 10% sd, pk, very coarse
1270	1280	10	tr Dol; ditto; 40% Anhy ditto; 30% sh wh lt gray, 30% red; tr sd, red.
1280	1290	10	50% Anhy ditto; 40% sh ditto; 10% sh gray as above; tr sd, red
1290	1300	10	20% Anhy ditto; 20% sd ditto; 60% red & dark red sh
1300	1310	10	50% Anhy wh porous gran xtaline; 20% sh wh gray as above, 30% sh, red, lt & pk
1310	1320	10	60% Anhy ditto; 20% sh red, ditto; 20% sh wh, ditto
1320	1330	10	50% Anhy ditto; 30% sh wh to lt gray; 20% sh rd; tr sd, red
1330	1340	10	tr Dol wh & buff, dense; 30% Anhy ditto; 20% sh wh to lt gray, 50% sh red; tr red sd.
1340	1350	10	tr Dol wh & lt yellow dense; 40% Anhy wh gran to xtaline; 50% sh lt & dark, 10% wh to lt.
1350	1360	10	tr Dol ditto; 70% Anhy ditto; 20% sh lt & dark; 10% sd red silty
1360	1370	10	tr Dol dark gray dense, solid; 60% Anhy ditto; 40% sh red silty, tr sd, red.
1370	1393	16	Missing
1393	1400	7	40% Anhy ditto; 50% sh, red; 10% sd, red silty
1400	1410	10	tr Anhy; 10% sh lt green; 10% sd, red silty; 40% sh, bright and dark green
1410	1420	10	30% Anhy wh & pk; 60% sh ditto; 10% sd red.
1420	1430	10	10% Dol, wh & pk cherty, dense angular; 40% Anhy., wh granular, very porous; 10% sd, tan xtaline, loosely cemented, lt to well sal; 20% sh. 20% sh ditto; 20% sd, rd, lt. silty
1430	1440	10	10% Dol. ditto; 30% Anhy, ditto & pk, ; 30% sh. red, tr. dk gray; 10% sd, tan as above, well stained, 20% sd, red, light, silty.
1440	1450	10	tr. Dol, ditto; 30% Anhy, ditto; 60% sh. red, 10% sd, ditto.
1450	1460	10	60% Anhy, ditto; 20% sh. ditto, 10% dk gray; 10% sd. ditto.
1460	1470	10	70% Anhy. ditto; 20% sh. sd, tr gray; 10% sd, ditto
1470	1480	10	60% Anhy, ditto; 20% sh. ditto; 20% sd, ditto
1480	1490	10	60% Anhy, ditto; 30% sh. ditto, 10% sd, ditto
1490	1500	10	60% Anhy, ditto; 30% sh. ditto, 10% sd, ditto
1500	1510	10	60% Anhy, ditto; 30% sh, ditto, 10% sd, ditto
1510	1520	10	50% Anhy, ditto; 20% sh, ditto, 30% sd, ditto, tr gray xtaline, no stain.
1520	1530	10	40% Anhy, ditto; 10% sh, ditto; 50% sd, red, coarse, xtaline, tr. lt gray xtaline, no stain
1530	1540	10	60% Anhy, ditto, wh & pk; 30% sh. ditto; 10% sd, ditto, tr silicon chert
1540	1550	10	20% Anhy, ditto; 70% sh. red, tr gray; 10% sd, ditto
1550	1560	10	40% Anhy, ditto, very porous; 50% sh ditto, 10% sd, ditto
1560	1570	10	60% Anhy, ditto; 30% sh, ditto; 10% sd, ditto
1570	1580	10	60% Anhy, ditto; 30% sh, ditto; 10% sd, ditto
1580	1590	10	30% Anhy, ditto; 50% sh, ditto, red, tr. gray; 20% sd, red, red, silty, tr. grayxtaline
1590	1600	10	40% Anhy, wh & pk, granular, very porous; 30% sh, red; 30% sd, red coarse
1600	1610	10	30% Anhy, wh & pk, granular, very porous; 40% sh, red; 20% sd, red, coarse, tr gray-green
1610	1620	10	70% Anhy, wh & pk granular and gyp; 20% sh, red; 10% sd, red, tr gray
1620	1630	10	80% Anhy wh & pk granular and gyp; 10% sh, red; 10% sd, red, tr. gray
1630	1640	10	50% Anhy wh & pk granular and gyp; 40% sh. red; 10% sd, red, tr. gray
1640	1650	10	50% Anhy, ditto; 40% sh, ditto
1650	1660	10	40% Anhy, ditto; 50% sh, ditto; 10% sd, red, tr. gray wh, tr. chert
1660	1670	10	40% Anhy, ditto; 50% sh, ditto, tr. green; 10% sd, red
1670	1680	10	30% Anhy, wh & pk granular; 40% sh, red; 30% sd, red
1680	1690	10	10% Anhy, ditto; 70% sh, ditto; 10% sd, ditto
1690	1700	10	10% Anhy, ditto; 20% sh, ditto; 70% sd, ditto
1700	1710	10	30% Anhy, ditto, porous; 30% sh, ditto; 40% sd, red, fine silty, tr. gray
1710	1720	10	20% Anhy, ditto; 60% sh, ditto; 20% sd, red silty
1720	1730	10	20% Anhy, ditto; 20% sh, red; 60% sd, red, coarse, loose, water washed, also well rounded silicon chert
1730	1740	10	70% Anhy, wh & pk granular; 20% sh, red, tr. gray; 10% sd, ditto
1740	1750	10	30% Anhy, ditto; 40% sh, red; 30% sd, fine red silty
1750	1760	10	10% Anhy, wh granular; 60% sh, red; 30% sd, ditto
1760	1770	10	tr. Dol. wh xtaline, dense; 10% Anhy, ditto; 30% sh, red, tr wh; 60% sd, ditto
1770	1780	10	10% Anhy, ditto; 30% sh, red; 60% sd, ditto
1780	1790	10	30% Anhy, ditto; 40% sh, red, tr. gray; 30% sd, ditto
1790	1800	10	tr. Anhy, wh granular; 10% sh, red; 90% sd, ditto
1800	1810	10	tr. Dol, dark blue-purple; 20% Anhy, ditto; 30% sh, red 50% sd, ditto