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NEW MEXICO STATE LAND OFFICE

SANTA FE, NEW MEXICO

DEPARTMENT OF THE STATE GEOLOGIST

WELL RECORD

Mail to State Geologist, Santa Fe, New Mexico, not more than ten days after completion of well. Indicate questionable data by following it with (?). Submit in duplicate.

AREA 640 ACRES
LOCATE WELL CORRECTLY

Company Phillips Petroleum Company Address Bartlesville, Oklahoma
Send correspondence to L. E. Fitzjarrald Address Bartlesville, Oklahoma
C. D. Woolworth Well No. 2 in 34 of Sec. 23, T. 24
R. 30, N. M. P. M., 24 Oil Field Lea County.
If State land the oil and gas lease is No. _____ Assignment No. _____
If patented land the owner is C. D. Woolworth Address Jal, New Mexico
The lessee is Lea Oil Company Address _____
If not state or patented land, give status _____
Drilling commenced July 16 1936 Drilling was completed August 18 1936
Name of drilling contractor McNee & Clevinger Address Ft. Worth, Texas
Elevation above sea level at top of casing 3841 feet.
The information given is to be kept confidential until _____ 19____.

OIL SANDS OR ZONES

No. 1, from 2040 to 2000 No. 4, from _____ to _____
No. 2, from _____ to _____ No. 5, from _____ to _____
No. 3, from _____ to _____ No. 6, from _____ to _____

IMPORTANT WATER SANDS

No. 1, from _____ to _____ No. 3, from _____ to _____
No. 2, from _____ to _____ No. 4, from _____ to _____

CASING RECORD

SIZE	WEIGHT PER FOOT	THREADS PER INCH	MAKE	AMOUNT	KIND OF SHOE	CUT & PULLED FROM	PERFORATED		PURPOSE
							FROM	TO	
<u>1 1/2</u>	<u>50</u>	<u>8</u>	<u>LF</u>	<u>200</u>	<u>TP</u>				
<u>9 5/8</u>	<u>40</u>	<u>8</u>	<u>SS</u>	<u>1200</u>	<u>Halliburton</u>				
<u>7</u>	<u>34</u>	<u>10</u>	<u>SS</u>	<u>3400</u>	<u>Float</u>				

MUDDING AND CEMENTING RECORD

SIZE	WHERE SET	NO. SACKS OF CEMENT	METHOD USED	MUD GRAVITY	AMOUNT OF MUD USED
<u>1 1/2</u>	<u>200</u>	<u>200</u>	<u>Halliburton</u>		
<u>9 5/8</u>	<u>1200</u>	<u>200</u>	<u>"</u>		
<u>7</u>	<u>3400</u>	<u>200</u>	<u>"</u>		

PLUGS AND ADAPTERS

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

SHOOTING RECORD

SIZE	SHELL USED	EXPLOSIVE USED	QUANTITY	DATE	DEPTH SHOT	DEPTH CLEANED OUT

TOOLS USED

Rotary tools were used from 0 feet to 2000 feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

PRODUCTION

Put to producing August 20, 1936
The production of the first 24 hours was 227 barrels of fluid of which 20.6 % was oil; .4 % emulsion; .1 % water; and .5 % sediment. Gravity, Be 20.4
If gas well, cu. ft. per 24 hours 3.1 million Gallons gasoline per 1,000 cu. ft. of gas _____
Rock pressure, lbs. per sq. in. 1150

EMPLOYES

J. F. Cookston C. C. Newburn
_____, 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 8th Name L. E. Fitzjarrald
day of September, 1936 Position Asst. Supr. of Production
J. F. Cookston Representing Phillips Petroleum Company
_____, Notary Public. _____ Company or Operator.

My commission expires 7/6/1938

DUPLICATE

SEP 10 1934
APPROVED AS O. K.
BY [Signature]

FORMATION RECORD

FROM	TO	THICKNESS IN FEET	FORMATION
0	195	195	Sand and Red Bed
195	304	109	Shale and Red Bed Reamed 18" hole to 17" Ran 305'-3"-12 1/2" csg. cemented w/275 sz cement. Pumped plug to 300'.
304	400	96	Red rock
400	480	80	Sand
480	610	130	Sand & Red Bed
610	750	140	Hard Sand & Red Bed
750	972	242	Red Rock
972	1000	28	Red Rock - Hard Sand - Streaks of Gyp Vertical Test @ 800' " " " 1000'
1000	1329	329	Red Rock
1329	1385	56	Anhydrite
1385	1415	30	Salt Ran 9 5/8" csg & cemented w/200 sz. @ 1401'
1415	1455	40	Salt
1455	1465	10	Sand
1465	1530	65	Salt & Anhydrite
1530	1540	10	Broken Salt & Anhydrite
1540	1605	65	Salt
1605	1680	75	Salt, Broken, & Anhydrite
1680	1715	35	Salt
1715	1747	32	Anhydrite
1747	1852	105	Anhydrite & Salt
1852	1870	18	Anhydrite
1870	1940	70	Salt
1940	1980	40	Anhydrite
1980	2390	410	Salt
2390	2420	30	Broken Salt & Anhydrite
2420	2500	80	Salt
2500	2600	100	Salt & Broken Anhydrite
2600	2650	50	Anhydrite
2650	2720	70	Salt
2720	2768	48	Anhydrite
2768	2826	58	Lime
2826	2950	124	Sand Vertical Tests 1500-2000-2800-o.k.
2950	3230	280	Lime
3230	3330	100	Lime, Broken
3330	3335	5	Lime Top Big Gas
3335	3410	75	Lime, Broken
3410	3455	45	Lime Reamed Hole from 3400 to 3504-8 1/2" to 8 5/8"
3455	3490	35	Lime
3490	3492	2	Lime, Broken Run 7" csg. set @ 3495-cemented w/300 sz.
3492	3507	15	Lime
	3505		T.D. Cor. S.L.M.