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SANTA FE, N. M., 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 fol-

lowing it with (?). Submit in duplicate.

Company The Ohio Oil Company Address P. O. Box 37, Artesia, New Mexico

Send correspondence to The Ohio Oil Company Address P. O. Box 37, Artesia, New Mexico

State Northrop Well No. 1 in 12 1/2 of Sec. 32, T. 18S

R. 38E, N. M. P. M., Oil Field Hobbs, Lea County.

If State land the oil and gas lease is No. 1089 Assignment No. -

If patented land the owner is _____, Address _____

The lessee is The Ohio Oil Company Address Artesia, New Mexico

If not state or patented land, give status _____

Drilling commenced February 19th 19 30 Drilling was completed June 30th 19 30

Name of drilling contractor Eastland Oil Company Address Fort Worth, Texas

Elevation above sea level at top of casing 3836 feet.

The information given is to be kept confidential until _____ 19 _____

OIL SANDS OR ZONES

No. 1, from _____ to _____ 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 AND PULLED FROM	PERFORATED		PURPOSE
							FROM	TO	
20"	90 ⁷	10	DBX	100' 0"	Reg. Csg.	None	None	None	
12 1/2"	50 ³	10	"	1502' 0"	" "	"	"	"	
10"	40 ¹	10	"	2868' 0"	T.P. Csg.	"	"	"	
7"	24 ¹	10	"	3363' 6"	" "	"	"	"	

MUDDING AND CEMENTING RECORD

SIZE	WHERE SET	No. SACKS OF CEMENT	METHODS USED	MUD GRAVITY	AMOUNT OF MUD USED
20"	100'	100	Hilliburton	-	-
12 1/2"	1482'	175	"	-	-
10"	2868'	200	"	-	-
7"	3350'	275	"	-	-

PLUGS AND ADAPTERS

Heaving plug—Material None Length _____ Depth Set _____

Adapters—Material None Size _____

SHOOTING RECORD

SIZE	SHELL USED	EXPLOSIVE USED	QUANTITY	DATE	DEPTH SHOT	DEPTH CLEANED OUT
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NO SHOTS

TOOLS USED

Rotary tools were used from 0 feet to 1482 feet, and from 2833 feet to 4175 feet

Cable tools were used from 1482 feet to 2833 feet, and from _____ feet to _____ feet

PRODUCTION

Put to producing July 15th 19 30

The production of the first 24 hours was 7200 barrels of fluid of which 100 % was oil; _____ % emulsion; _____ % water; and _____ % sediment. Gravity, Be. 36-37 — 60°

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

Rock pressure, lbs. per sq. in. 1600²

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 21st day of January 19 31

Name W. H. Brown

Position _____

Representing _____

Company or Operator _____

Notary Public H. G. Fowler

My commission expires Aug. 11-1934

FORMATION RECORD

From	to	Thickness in Feet	Formation
	25	25	Caliche
25	45	20	Gray Sand
45	55	10	Water Sand
55	165	110	Quicksand
165	300	135	Red Rock
300	350	50	Red Rock & Sand
350	407	57	Lime Shells & Sand
407	460	53	Lime & Shells
460	520	70	Red Rock
520	620	90	Sticky Shale
620	690	70	Sticky Shale & Shells
690	720	30	Shale
720	900	180	Sticky Red Beds
900	965	65	Red Beds & Shells
965	1045	80	Red Rock
1045	1050	5	Lime
1050	1060	10	Lime & Shells
1060	1100	40	Broken Lime
1100	1150	50	Sticky Shale
1150	1160	10	Hard Sandy Lime
1160	1202	42	Broken Lime & Shells
1202	1227	25	Sandy Lime
1227	1242	16	Hard Sandy Lime
1242	1278	36	Lime, Anhydrite & Red Beds
1278	1326	48	Broken Red Rock & Sandy Lime
1326	1364	38	Sandy Lime
1364	1370	6	Hard Sandy Lime
1370	1374	4	Sticky Red Rock
1374	1386	12	Broken Lime
1386	1442	56	Broken Lime & Anhydrite
1442	1471	29	Broken Anhydrite & Hard Red Rock
1471	1567	96	Anhydrite
1567	1598	31	Anhydrite & Red Shale
1598	1616	18	Salt & Red Shale
1616	1620	4	Pure Salt
1620	1690	70	Salt
1690	1720	30	Salt & Potash
1720	1820	100	Red Shale & Salt
1820	1835	15	Salt
1835	1848	13	Potash
1848	2170	322	Salt & Potash
2170	2175	5	Red Mud
2175	2340	165	Salt & Potash
2340	2381	41	Anhydrite
2381	2395	14	Salt
2395	2465	70	Salt & Potash
2465	2493	28	Salt
2493	2766	173	Anhydrite
2766	2772	6	Lime
2772	2833	61	Brown Lime
2833	2904	71	Shale, Anhydrite & Streaks of Sand
2904	2915	11	Anhydrite
2915	2922	8	Sand
2922	2956	33	Anhydrite
2956	2966	10	Broken Anhydrite
2966	2982	16	Anhydrite & Streaks of Shale and Sand
2982	2986	4	Hard Anhydrite
2986	2990	13	Anhydrite
2990	3004	5	Sand
3004	3022	18	Shale, Anhydrite & Streaks of Hard Lime
3022	3025	3	Anhydrite & Streaks of Shale
3025	3031	6	Hard Sand
3031	3070	39	Broken Anhydrite
3070	3071	1	Hard Lime
3071	3079	8	Broken Anhydrite
3079	3130	51	Anhydrite
3130	3133	3	Lime
3133	3139	6	Oil Sand
3139	3142	3	Lime
3142	3150	8	Hard Anhydrite
3150	3155	5	Brown Sandy Shale
3155	3172	17	Anhydrite
3172	3174	2	Shale (Cored) Oil Saturation from 3178 to 3189
3174	3189	15	Sand & Shale
3189	3215	26	Anhydrite
3215	3290	75	Broken Anhydrite
3290	3295	5	Shale
3295	3309	14	Anhydrite
3309	3327	18	Broken Anhydrite
3327	3336	9	Anhydrite
3336	3356	20	Anhydrite & Shale
3356	3398	42	Anhydrite
3398	3409	11	Broken Lime & Anhydrite
3409	3423	14	Anhydrite & Streaks of Shale
3423	3439	16	Broken Shale & Anhydrite
3439	3463	24	Anhydrite & Broken Shale
3463	3482	20	Broken Anhydrite & Shale
3482	3510	27	Anhydrite, Shale & Lime Streaks
3510	3518	8	Anhydrite & Shale
3518	3524	6	Sticky Shale
3524	3578	54	Shale, Anhydrite & Lime
3578	3589	11	Hard Broken Lime & Anhydrite
3589	3606	17	Shale & Broken Anhydrite
3606	3619	13	Anhydrite & Shale
3619	3639	20	Anhydrite, Shale & Streaks of Lime
3639	3661	22	Broken Anhydrite & Shale
3661	3666	5	Shale
3666	3667	1	Lime
3667	3668	1	Sand (Show of Oil)
3668	3678	10	Shale & Broken Anhydrite
3678	3705	27	Anhydrite & Shale
3705	3746	41	Broken Anhydrite & Lime Shells
3746	3772	26	Anhydrite & Hard Lime Shells
3772	3782	10	Anhydrite & Lime
3782	3794	12	Sandy Lime & Anhydrite
3794	3810	16	Anhydrite & Hard Shale
3810	3825	15	Soft Shale & Anhydrite
3825	3840	15	Anhydrite
3840	3850	10	Anhydrite & Hard Shale
3850	3914	64	Shale & Anhydrite
3914	3954	40	Shale & Broken Sand Shells
3954	3986	32	Shale, Anhydrite & Sand Shells
3986	4014	28	Anhydrite, Sand & Lime Shells
4014	4022	8	Shale & Streaks of Broken Sand