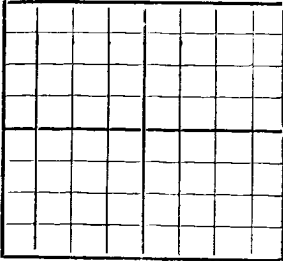


N.



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.

Company Empire Gas & Fuel Address Bartlesville, Okla.
Send correspondence to D.D. Bodie Address Drawer G, Hobbs, N. Mex.
Well No. 3 in NE 1 of Sec. 31, T. 18, R. 38, N. M. P. M., Hobbs Oil Field Lea County.
If State land the oil and gas lease is No. _____ Assignment No. _____
If patented land the owner is Clara Fowler Address _____
The lessee is _____ Address _____
If not state or patented land, give status _____
Drilling commenced Oct. 4 19 30 Drilling was completed Nov. 10 19 30
Name of drilling contractor Smith-McDermald & McMillan Address Lectra, Texas
Elevation above sea level at top of casing _____ feet.
The information given is to be kept confidential until _____ 19 _____

OIL SANDS OR ZONES

No. 1, from lime production 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	
<u>12 1/2</u>	<u>50</u>	<u>8</u>		<u>227</u>	<u>Tex. Pat</u>				
<u>9" O.D.</u>	<u>38</u>			<u>2750</u>	<u>"</u>				
<u>7" O.D.</u>	<u>24</u>			<u>3957</u>	<u>"</u>				
<u>3" UP</u>	<u>9.30</u>			<u>4191</u>					

MUDDING AND CEMENTING RECORD

SIZE	WHERE SET	NO. SACKS OF CEMENT	METHODS USED	MUD GRAVITY	AMOUNT OF MUD USED
<u>12 1/2</u>	<u>227</u>	<u>150</u>	<u>Halliburton</u>		
<u>9"</u>	<u>2750</u>	<u>500</u>	<u>"</u>		
<u>7"</u>	<u>3957</u>	<u>200</u>	<u>"</u>		

PLUGS AND ADAPTERS

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

FORMATION RECORD

FROM	TO	THICKNESS IN FEET	FORMATION
0	23	23	Caliche
23	25	2	flint
25	111	86	sand & shells
111	227	116	sand & gravel
227	912	685	red rock
912	948	36	" "
948	960	12	sand
960	1000	40	red rock
1000	1174	174	" " & sand
1174	1257	83	hard sand
1257	1260	3	" "
1260	1280	20	sand and shells
1280	1308	28	sand
1308	1348	40	lime shells & red bed
1348	1426	78	broken shale & anhydrite
1426	1449	23	red shale
1449	1460	11	sandy red rock
1460	1480	20	red bed & gyp
1480	1495	15	anhydrite & red shale
1495	1502	7	red shale
1502	1516	14	anhydrite
1516	1556	40	" & red shale
1556	1604	48	anhydrite
1604	1617	13	salt
1617	1640	23	anhydrite
1640	1733	93	salt & anhydrite
1733	2354	621	" "
2354	2382	28	anhydrite
2382	2488	106	salt
2488	2552	64	anhydrite
2552	2613	61	" & broken shale
2613	2631	18	red shale
2631	2750	119	anhydrite
2750	2796	46	"
2796	2829	33	hard brown lime
2829	2838	9	soft brown lime
2838	2849	11	brown lime
2849	2879	30	gray lime
2879	2894	15	soft brown lime
2894	2923	29	lime & anhydrite
2923	2967	44	white lime
2967	2974	7	anhydrite
2974	3003	29	white lime
3003	3083	80	lime & anhydrite
3083	3199	116	anhydrite
3199	3208	9	brown lime & sand (oil)
3208	3218	10	lime
3218	3238	20	brown lime
3238	3247	9	soft brown sand
3247	3292	45	lime
3292	3370	78	" & anhydrite
3370	3440	70	lime
3440	3524	84	soft
3524	4098	574	lime
4098	4125	27	soft brown lime
4125	4164	39	lime
4164	4212	48	lime (Total Depth)