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AREA 640 ACRES  
LOCATE WELL CORRECTLY

## NEW MEXICO OIL CONSERVATION COMMISSION

Santa Fe, New Mexico

## WELL RECORD

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.

Plains Production Company

1110 Tower Petroleum Building, Dallas 1, Texas

Company or Operator **Humble-Knight** Well No. **3** in **SW  $\frac{1}{4}$  NE  $\frac{1}{4}$**  of Sec. **23**, T. **24S**, R. **37E**, N. M. P. M., **1980** Field, **Mattix** Lea County. Sec. **23-24S-37E**

Well is **1980** feet south of the North line and **1980** feet west of the East line of **Sec. 23-24S-37E**

If State land the oil and gas lease is No. **Lillie M. Knight** Assignment No. **Jal, New Mexico**

If patented land the owner is **Lillie M. Knight** Address **Jal, New Mexico**

If Government land the permittee is **Humble Oil & Refining Company** Address **Roswell, New Mexico**

The Lessee is **Humble Oil & Refining Company** Address **Roswell, New Mexico**

Drilling commenced **January 31, 1946** Drilling was completed **April 10, 1946**

Name of drilling contractor **Company Tools** Address **Dallas, Texas**

Elevation above sea level at top of casing **19** feet.

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

## OIL SANDS OR ZONES

No. 1, from **3402** to **3408** No. 4, from **3430** to **3435**

No. 2, from **3430** to **3435** No. 5, from **3430** to **3435**

No. 3, from **3430** to **3435** No. 6, from **3430** to **3435**

## IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from **3402** to **3408** feet.

No. 2, from **3430** to **3435** feet.

No. 3, from **3430** to **3435** feet.

No. 4, from **3430** to **3435** feet.

## CASING RECORD

SIZE	WEIGHT PER FOOT	THREADS PER INCH	MAKE	AMOUNT	KIND OF SHOE	CUT & FILLED FROM	PERFORATED		PURPOSE
							FROM	TO	
<b>8 1/2</b>	<b>32</b>	<b>8</b>	<b>J&amp;L</b>	<b>1160</b>	<b>Reg.</b>				<b>Salt</b>
<b>7</b>	<b>24</b>	<b>8</b>	<b>J&amp;L</b>	<b>3328</b>					<b>Oil</b>

## MUDDING AND CEMENTING RECORD

SIZE OF HOLE	SIZE OF CASING	WHERE SET	NO. SACKS OF CEMENT	METHOD USED	MUD GRAVITY	AMOUNT OF MUD USED
<b>10"</b>	<b>8 1/2</b>	<b>1160</b>	<b>100</b>	<b>Hal.</b>		
<b>8 1/2"</b>	<b>7</b>	<b>3328</b>	<b>150</b>	<b>Hal.</b>		

## PLUGS AND ADAPTERS

Heaving plug—Material **10** Length **10** Depth Set **10**

Adapters—Material **10** Size **10**

## RECORD OF SHOOTING OR CHEMICAL TREATMENT

SIZE	SHELL USED	EXPLOSIVE OR CHEMICAL USED	QUANTITY	DATE	DEPTH SHOT OR TREATED	DEPTH CLEANED OUT

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 **0** feet to **3500** feet, and from **0** feet to **3500** feet

Cable tools were used from **0** feet to **3500** feet, and from **0** feet to **3500** feet

## PRODUCTION

Put to producing **April 15, 1946**

The production of the first 24 hours was **100** barrels of fluid of which **100** % was oil; **0** % emulsion; **0** % water; and **0** % sediment. Gravity, Be **100**

If gas well, cu. ft. per 24 hours **0** Gallons gasoline per 1,000 cu. ft. of gas **0**

Rock pressure, lbs. per sq. in. **0**

## EMPLOYEES

Driller **10** Driller **10**

Driller **10** Driller **10**

## 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 **10**

Dallas, Texas

April 10, 1946

day of **April**, 19 **46**Name **W. P. Roquem**Position **Agent**Representing **Plains Production Company**Address **1110 Tower Petroleum Bldg., Dallas 1, Texas**My Commission expires **NANCY HARMAN Notary Public**

in and for Dallas County, Texas

My Commission Expires June 1, 1947

[illegible]

Humble Knight #3  
 Lea County, New Mexico  
 SW $\frac{1}{4}$  of NE $\frac{1}{4}$   
 Sec. 23, T 24 S, R 37 E

0	15	Caliche
15	75	Sand
75	80	Red Rock
80	152	Red Shale
152	265	Red Rock
265	310	Red Shale
310	355	Red Bed
355	375	Brown Shale
375	400	Gray Shale
400	460	Red Shale
460	580	Red Bed
580	640	Red Shale
640	680	Red Bed
680	715	Red Shale
715	840	Red Bed
840	965	Red Shale
965	1005	Gray Sand
1005	1025	Anhydrite
1025	1040	Red Rock
1040	1050	Anhydrite
1050	1075	Red Shale
1075	1095	Red Rock
1095	1110	Salt & Red Shale
1110	1145	Salt & Potash
1145	1190	Salt & Red Rock
1190	1205	Salt & Potash
1205	1250	Anhydrite
1250	1335	Salt & Potash
1335	1360	Anhydrite
1360	1420	Salt & Anhydrite Shells
1420	1450	Salt & Potash
1450	1465	Anhydrite
1465	1500	?
1500	1560	Salt & Anhydrite
1560	1625	Salt
1625	1670	Salt & Shells
1670	1740	Salt & Potash
1740	1900	Salt
1900	1950	Anhydrite
1950	1975	Salt
1975	2050	Anhydrite
2050	2110	Anhydrite & Salt
2110	2120	Salt
2120	2170	Salt & Anhydrite
2170	2200	Anhydrite
2200	2220	Salt
2220	2270	Salt & Anhydrite Shells
2270	2310	Salt & Potash
2310	2345	Salt
2345	2450	Anhydrite
2450	2470	Anhydrite & Lime
2470	2490	Anhydrite & Hard Lime
2490	2515	Gray Lime
2515	2535	Lime & Anhydrite
2535	2570	Anhydrite & Shale
2570	2635	Broken Lime
2635	2675	Anhydrite & Shale
2675	2830	Anhydrite

2830	2850	Lime & Hard Anhydrite
2850	3120	Lime
3120	3145	Lime & Shale Breaks
3145	3175	Broken Lime
3175	3415	Lime
3415	3430	Sand & Shale
3430	3435	Oil Sand
3435	3500	Lime

Sample No. 45  
 Los County, New Mexico  
 247 of 453  
 Sec. 22, T. 24 N., R. 27 E.

1400	1400	Lime & Hard Anhydrite
1380	1380	Lime
1360	1360	Lime & Shale
1340	1340	Broken Lime
1320	1320	Lime
1300	1300	Shale
1280	1280	Oil Sand
1260	1260	Lime

12	12	Caliche
13	13	Shale
14	14	Red Rock
15	15	Red Shale
16	16	Red Rock
17	17	Red Shale
18	18	Red Bed
19	19	Brown Shale
20	20	Gray Shale
21	21	Red Shale
22	22	Red Bed
23	23	Red Shale
24	24	Red Bed
25	25	Red Shale
26	26	Red Bed
27	27	Red Shale
28	28	Red Bed
29	29	Red Shale
30	30	Gray Sand
31	31	Anhydrite
32	32	Red Rock
33	33	Anhydrite
34	34	Red Shale
35	35	Red Rock
36	36	Salt & Red Shale
37	37	Salt & Potash
38	38	Salt & Red Rock
39	39	Salt & Potash
40	40	Anhydrite
41	41	Salt & Potash
42	42	Anhydrite
43	43	Salt & Anhydrite Shale
44	44	Salt & Potash
45	45	Anhydrite
46	46	Salt & Anhydrite
47	47	Salt
48	48	Salt & Shale
49	49	Salt & Potash
50	50	Salt
51	51	Anhydrite
52	52	Salt
53	53	Anhydrite
54	54	Anhydrite & Salt
55	55	Salt
56	56	Salt & Anhydrite
57	57	Anhydrite
58	58	Salt
59	59	Salt & Anhydrite Shale
60	60	Salt & Potash
61	61	Salt
62	62	Anhydrite
63	63	Anhydrite & Lime
64	64	Anhydrite & Hard Lime
65	65	Gray Lime
66	66	Lime & Anhydrite
67	67	Anhydrite & Shale
68	68	Broken Lime
69	69	Anhydrite & Shale