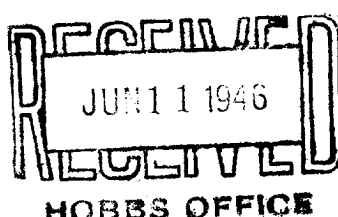


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NEW MEXICO OIL CONSERVATION COMMISSION

Santa Fe, New Mexico

WELL RECORD



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.

Plains Production Company 1110 Tower Petroleum Bldg., Dallas 1, Texas
 Company or Operator Address
Humble Knight Well No. **4** in **NW 1/4 SE 1/4** of Sec. **23**, T. **24S**
 Lease
 R. **37E**, N. M. P. M., **Mattix** Field, **Lea County, New Mexico** County.
 Well is **3300** feet south of the North line and **1980** feet west of the East line of **Sec. 23**
 If State land the oil and gas lease is No. _____ Assignment No. _____
 If patented land the owner is **Lillie M. Knight** Address **Jal, New Mexico**
 If Government land the permittee is _____ Address _____
 The Lessee is **Humble Oil & Ref. Co.** Address **Reswell, New Mexico**
 Drilling commenced **April 23** 19 **46** Drilling was completed **June 7,** 19 **46**
 Name of drilling contractor **Company tools** Address **Dallas, 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 **3375** to **3386** No. 4, from _____ to _____
 No. 2, from **3404** to **3421** No. 5, from _____ to _____
 No. 3, from _____ to _____ No. 6, from _____ to _____

IMPORTANT WATER SANDS

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

No. 1, from _____ to _____ 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	
8 5/8	32	8	J&L	1360	Reg.				Salt
7	24	8	J&L	3300	Reg.				Oil

MUDDING AND CEMENTING RECORD

SIZE OF HOLE	SIZE OF CASING	WHERE SET	NO. SACKS OF CEMENT	METHOD USED	MUD GRAVITY	AMOUNT OF MUD USED
10"	8 5/8	1360'	100	Hal.		
8 1/4"	7"	3300'	150	Hal.		

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

Results of shooting or chemical treatment **None**

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 _____ feet to _____ feet, and from _____ feet to _____ feet
 Cable tools were used from **0** feet to **3575** feet, and from _____ feet to _____ feet

PRODUCTION

Put to producing **June 15** **46**
 The production of the first 24 hours was **100** barrels of fluid of which **100** % was oil; _____ % emulsion; _____ % water; and _____ % sediment. Gravity, Be. _____
 If gas well, cu. ft. per 24 hours **100,000** 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 **10th** day of **June** 19**46**

Nancy Harman
 Notary Public

My Commission expires **6-1-47**

NANCY HARMAN Notary Public,
 in and for Dallas County, Texas
 My Commission Expires June 1, 1947

Dallas, Texas **June 10, 1946**
 Place Date

Name *W. L. Cooper*
 Position **Agent**

Representing **Plains Production Company**
Company or Operator

Address **1110 Tower Petroleum Building**
Dallas 1, Texas

Humble Knight #4,
 Plains Production Company
 Mattix Field
 Sec. 23, T. 24 S, R. 37 E
 Lea County, New Mexico

0	10	Collar	3130	3250	Lime
10	15	Caliche	3250	3280	Lime (Broken)
15	40	Sand	3280	3290	Lime (Brown & Sandy)
40	70	Sand - Dry			
70	255	Red Rock			
255	315	Red Shale			
315	390	Grey Shale			
390	455	Brown Shale			
455	590	Red Rock			
590	760	Red Shale			
760	790	Anhydrite, Red Rock & Cavings			
790	815	Anhydrite & Red Shale			
815	850	Gray Shale			
850	985	Red Shale			
985	1025	Anhydrite			
1025	1060	Hard Gray Sand			
1060	1070	Hard Sand			
1070	1100	Water Sand H F W			
1100	1105	Blue shale			
1105	1110	Grey Sand			
1110	1180	Grey sandy Shale			
1180	1205	Grey Sand			
1205	1285	Red Rock			
1285	1305	Red Shale			
1305	1375	Red Rock			
1375	1415	Red Shale			
1415	1420	Anhydrite			
1420	1430	Anhydrite (Hard)			
1430	1440	Anhydrite			
1440	1455	Salt			
1455	1475	Salt & Anhydrite			
1475	1490	Anhydrite & Red Rock			
1490	1535	Anhydrite, Salt & Red Shale			
1535	1595	Salt			
1595	1650	Salt & Anhydrite Shells			
1650	1700	Salt, Potash and Shells			
1700	1760	Salt & Anhydrite			
1760	1830	Salt			
1830	1875	Salt & Potash			
1875	1930	Salt & Anhydrite			
1930	1950	Anhydrite			
1950	1985	Salt			
1985	2045	Anhydrite			
2045	2110	Salt			
2110	2160	Anhydrite			
2160	2285	Salt			
2285	2330	Salt & Potash			
2330	2360	Anhydrite			
2360	2395	Anhydrite (Broken)			
2395	2445	Anhydrite			
2445	2490	Lime			
2490	2630	Anhydrite (Broken)			
2630	2655	Anhydrite			
2655	2720	Anhydrite (Broken)			
2720	2780	Anhydrite			
2780	2800	Lime			
2800	2880	Lime & Anhydrite			
2880	2900	Lime			
2900	2930	Lime & Anhydrite			
2930	2975	Lime			
2975	3040	Anhydrite & Lime			
3040	3130	Lime (Broken)			

Time (broken) 0m11
Time (brown & gold) 0m11

[illegible]