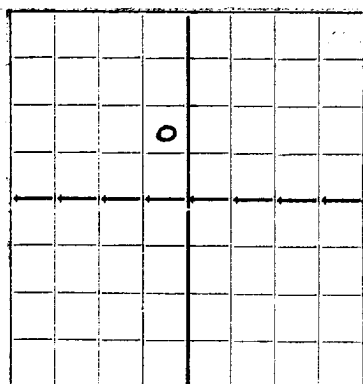


N.

NEW MEXICO OIL CONSERVATION COMMISSION

Santa Fe, New Mexico

AREA 640 ACRES
LOCATE WELL CORRECTLY

WELL RECORD

DUPLICATE

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 TRIPPLICATE.

Culbertson & Irwin, Inc. and Plains Production Co. Midland, Texas

Company or Operator Humphrey Well No. 4-A in NW/4 of Sec. 3, T. 25-S
 Lease
 R. 37-E, N. M. P. M., Langlie Field, Lea County.
 Well is 1750 feet south of the North line and 2970 feet west of the East line of Section 3
 If State land the oil and gas lease is No. _____ Assignment No. _____
 If patented land the owner is J.B. Humphrey, Address Alhambra, California
 If Government land the permittee is _____, Address _____
 The Lessee is _____, Address _____
 Drilling commenced December 1 19 37. Drilling was completed January 24 19 38
 Name of drilling contractor Natl. Drilg. & Prod. Co., Address Midland, Texas
 Elevation above sea level at top of casing 3148 feet.
 The information given is to be kept confidential until _____ 19 _____

OIL SANDS OR ZONES

No. 1, from 3430 to 3462 No. 4, from _____ to _____
 No. 2, from _____ to _____ 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 450 to 505 feet. HFW
 No. 2, from 1120 to 1125 feet. HFW
 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 FROM TO	PURPOSE
<u>15 1/2"</u>	<u>58#</u>	<u>8</u>	<u>used</u>	<u>133'</u>	<u>Texas</u>			
<u>8-5/8"</u>	<u>29#</u>	<u>8</u>	<u>"</u>	<u>1346'</u>	<u>"</u>			
<u>7"</u>	<u>22#</u>	<u>8</u>	<u>new</u>	<u>3215'</u>	<u>"</u>			

MUDDING AND CEMENTING RECORD

SIZE OF HOLE	SIZE OF CASING	WHERE SET	NO. SACKS OF CEMENT	METHOD USED	MUD GRAVITY	AMOUNT OF MUD USED
<u>18"</u>	<u>15 1/2"</u>	<u>133'</u>	<u>150</u>	<u>Halliburton</u>		
<u>10"</u>	<u>8-5/8"</u>	<u>1346'</u>	<u>100</u>	<u>"</u>		
<u>8"</u>	<u>7"</u>	<u>3215'</u>	<u>150</u>	<u>"</u>		

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
<u>3 1/2"</u>		<u>Solidified</u>	<u>380 qts</u>	<u>1/25/38</u>	<u>120'</u>	
		<u>Glycerine</u>				

Results of shooting or chemical treatment Well cleaned self after shot but did not flow.
Ran tubing with packer on January 28, 1938, shut in 24 hrs, commenced
flowing January 29, 1938.

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 _____ feet to _____ feet, and from _____ feet to _____ feet

PRODUCTION

Put to producing January 29 19 38
 The production of the first 24 hours was 154 barrels of fluid of which 100 % was oil; _____ %
 emulsion; _____ % water; and _____ % sediment. Gravity, Be. 40°
 If gas well, cu. ft. per 24 hours _____ Gallons gasoline per 1,000 cu. ft. of gas _____
 Rock pressure, lbs. per sq. in. _____

EMPLOYEES

NATIONAL DRILLING & PROD. CO. Driller _____, Driller _____
Contractor _____, 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 1Midland, 9 Texas

Place Date

day of February, 19 38Name W. L. EasleyPosition Pres. Culbertson & Irwin, Inc.Representing Culbertson & Irwin, Inc. and
Company or Operator Plains Prod. Co.Address Box 1071, Midland, TexasMy Commission expires June 1, 1939

Notary Public

FORMATION RECORD

FROM	TO	THICKNESS IN FEET	FORMATION
0	20	20	Soil
20	45	25	Caliche
45	80	35	Red Rock
80	100	20	Blud Shale
100	200	100	Red rock
200	220	20	Brown shale
220	245	25	Blue shale
245	385	140	Red rock
385	410	25	Blue shale
410	415	5	Red rock
415	435	20	Blue sandy shale
435	440	5	Red rock
440	465	25	Sand 450-60 Water
465	505	40	Gray shale HFW
505	510	5	Sand
510	515	5	Red rock
515	540	25	Sandy lime
540	545	5	Red rock
545	555	10	Sandy shale
555	575	18	Red rock
575	585	12	Sandy shale
585	595	10	Red rock
595	600	5	Anhydrite
600	625	25	Red beds
625	655	30	Sandy shale
655	1015	360	Red rock
1015	1080	65	Lime
1080	1120	40	Anhydrite
1120	1125	5	Sand HFW
1125	1140	15	Blue mud
1140	1165	25	Red rock
1165	1180	15	Anhydrite
1180	1190	10	Red rock
1190	1200	10	Anhydrite
1200	1230	30	Red mud
1230	1295	65	Anhydrite & redrock
1295	1305	10	Anhydrite
1305	1310	5	Red Braka
1310	1315	5	Anhydrite
1315	1330	15	Salt & red rock
1330	1395	65	Anhydrite
1395	1450	55	Salt, Anhydrite & Potash
1450	1550	100	Anhydrite & salt
1550	1665	115	Salt, Anhydrite & potash
1665	1730	65	Anhydrite & salt
1730	1760	30	Salt
1760	1770	10	Anhydrite
1770	1810	40	Salt
1810	1825	15	Anhydrite
1825	1845	20	Salt & potash
1845	1900	55	Salt & anhydrite
1900	1910	10	Anhydrite
1910	1995	85	Salt
1995	2045	50	Anhydrite
2045	2060	15	Salt
2060	2135	75	Anhydrite
2135	2200	65	Anhydrite & salt
2200	2275	15	Salt
2275	2350	75	Anhydrite & salt
2350	2415	65	Salt
2415	2660	245	Anhydrite
2660	2675	15	Anhydrite & shale
2675	3054	379	Anhydrite
3054	3064	10	Gray lime
3064	3093	29	Anhydrite
3093	3111	18	Gray Lime
3111	3158	47	Anhydrite
3158	3180	22	Anhydrite & gray lime
3180	3188	8	Anhydrite
3188	3197	9	Anhydrite & Gray lime
3197	3210	13	Sandy lime
3210	3215	5	Brown lime
3215	3325	110	Gray lime
3325	3345	20	Sand
3345	3380	35	Gray lime
3380	3395	15	Hard lime
3395	3435	40	Gray lime
3435	3449	14	Lime & shale breaks
3449	3460	11	Sand & shale
3460	3461	1	Gray Lime TD