Form 9-330

U. S. LAND OFFICE [illegible]

SERIAL NUMBER [illegible]

LEASE OR PERMIT TO PROSPECT

DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company Humble Oil & Refining Co. Address Box 938, McCamey, Texas

Lessor or Tract Federal Bowers [illegible] Field Hobbs State New Mexico

Well No. A-4 Sec. 30 T. 18S R. 38E Meridian County Lea

Location 330 ft. S of Line and 330 ft. E of Line of SE¼ Sec. 30 Elevation (Derrick floor relative to sea level)

The information given herewith is a complete and correct record of the well and all work done thereon so far as can be determined from all available records.

Signed COPY [illegible]

Date August 28, 1950 Title Division Sup't.

The summary on this page is for the condition of the well at above date 8-22-50

Commenced drilling 5-[illegible]-50, 19 Finished drilling, 19

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

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 casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated From	Perforated To	Purpose
12 1/2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
9 5/8	[illegible]	8	"	[illegible]	Tex. Pat.				
7	[illegible]	10	"	3960	Larkin				

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
12 1/2	[illegible]	[illegible]	Pumped		
9 5/8	[illegible]	[illegible]	"		
7	[illegible]	[illegible]	"		

PLUGS AND ADAPTERS

Heaving plug—Material Length Depth set

Adapters—Material Size

SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out

TOOLS USED

Rotary tools were used from [illegible] feet to [illegible] feet, and from feet to feet

Cable tools were used from feet to [illegible] feet, and from feet to feet

DATES

, 19 Put to producing 8-22-50, 19

The production for the first 24 hours was 639 barrels of fluid of which % was oil; 99.5 % emulsion; % water; and .5 % sediment. Gravity, °Bé.

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

Rock pressure, lbs. per sq. in.

EMPLOYEES

W. L. [illegible], Driller J. S. [illegible], Driller

C. E. [illegible], Driller , Driller

FORMATION RECORD

FROM	TO	TOTAL FEET	FORMATION
0	[illegible]	[illegible]	White Lime
[illegible]	[illegible]	[illegible]	Red Sand
[illegible]	[illegible]	[illegible]	White Lime
[illegible]	[illegible]	[illegible]	Red Sand
70	[illegible]	[illegible]	Caving Red Sand
[illegible]	[illegible]	1	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	Caving Red Sand
[illegible]	[illegible]	[illegible]	Red Sandstone
[illegible]	[illegible]	[illegible]	Red Rock
[illegible]	[illegible]	[illegible]	Red Bed
[illegible]	[illegible]	1	Sand Rock
[illegible]	[illegible]	1	Red Rock & Pyrites
[illegible]	[illegible]	[illegible]	Red Bed
[illegible]	[illegible]	[illegible]	Red Sand
[illegible]	[illegible]	[illegible]	Sand
[illegible]	[illegible]	[illegible]	Red Bed
[illegible]	[illegible]	[illegible]	Sand
[illegible]	[illegible]	[illegible]	Red Bed
[illegible]	[illegible]	1	Rock
[illegible]	[illegible]	[illegible]	Red Bed
[illegible]	[illegible]	[illegible]	Hard Sand, Red
[illegible]	[illegible]	[illegible]	Hard Sand Rock
[illegible]	[illegible]	[illegible]	Red Bed
[illegible]	[illegible]	[illegible]	Hard Sand
[illegible]	[illegible]	[illegible]	Red Bed

FORMATION RECORD (over)

6—6743

D 12a

FORMATION RECORD—Continued

FROM	TO	TOTAL FEET		FORMATION
1380	1381	1		Rock
1381	1397	16		Red Bed
1397	[illegible]	[illegible]		Red Bed & Boulders
[illegible]	1484	19		Red Bed & Gyp
1484	1494	10		Red Bed
1494	[illegible]	111		Anhydrite
[illegible]	[illegible]	3		Red Bed
[illegible]	[illegible]	57		Anhydrite
[illegible]	[illegible]	75		Salt & Strks of Anhy.
				TOP SALT 1605
[illegible]	1707	[illegible]		Salt & Anhydrite
1707	1708	1		Pyrites
1708	[illegible]	[illegible]		Salt & Strks. of Anhydrite
[illegible]	[illegible]	[illegible]		Salt
[illegible]	[illegible]	[illegible]		Salt & Anhydrite
[illegible]	[illegible]	[illegible]		Salt & Strks. of Anhydrite
[illegible]	[illegible]	[illegible]		Salt & Strks. of Anhydrite
[illegible]	[illegible]	[illegible]		Salt & Anhydrite
[illegible]	[illegible]	[illegible]		Salt & Strks. of Anhydrite
[illegible]	[illegible]	54		Salt & Anhydrite
[illegible]	[illegible]	41		Salt & Strks. of Anhydrite
[illegible]	[illegible]	[illegible]		Salt & Anhydrite
[illegible]	[illegible]	7		Anhydrite
[illegible]	[illegible]	[illegible]		Salt & Anhydrite
[illegible]	[illegible]	[illegible]		Anhydrite
[illegible]	[illegible]	[illegible]		Salt & Anhydrite
[illegible]	[illegible]	27		Anhydrite
[illegible]	[illegible]	[illegible]		Hard Anhydrite
[illegible]	[illegible]	10		Salt & Anhydrite
[illegible]	[illegible]	[illegible]		Anhydrite
[illegible]	[illegible]	[illegible]		Salt & Anhydrite
[illegible]	[illegible]	[illegible]		Anhydrite
[illegible]	[illegible]	[illegible]		Salt & Anhydrite
[illegible]	[illegible]	[illegible]		Red Bed & Strks. of Anhy.
[illegible]	[illegible]	[illegible]		Salt & Anhydrite
[illegible]	[illegible]	[illegible]		[illegible]
[illegible]	[illegible]	[illegible]	TOP LIME [illegible]	[illegible] Lime
[illegible]	[illegible]	[illegible]		Sandy Lime SHOW OF Gas
[illegible]	[illegible]	[illegible]		Anhydrite
[illegible]	[illegible]	[illegible]		Lime
[illegible]	[illegible]	[illegible]		Anhydrite
[illegible]	[illegible]	[illegible]	[illegible]	[illegible] Lime & Anhydrite
[illegible]	[illegible]	[illegible]	SHOW OF GAS	[illegible] Anhydrite
[illegible]	[illegible]	[illegible]		Anhy. & Strks of Lime
[illegible]	[illegible]	[illegible]		Anhydrite & Lime
[illegible]	[illegible]	[illegible]		Anhydrite
[illegible]	[illegible]	[illegible]		Anhy. & Strks of Lime
[illegible]	[illegible]	[illegible]		Anhydrite
[illegible]	[illegible]	[illegible]		Anhydrite & Lime
[illegible]	[illegible]	[illegible]	SHOWING OF GAS [illegible]	Anhydrite
[illegible]	[illegible]	[illegible]		[illegible]
[illegible]	[illegible]	[illegible]		Anhydrite
[illegible]	[illegible]	[illegible]		Anhydrite
[illegible]	[illegible]	[illegible]	SHOW OF OIL & GAS	Sandy Lime
[illegible]	[illegible]	[illegible]		Anhydrite
[illegible]	[illegible]	[illegible]		Anhydrite & Lime
[illegible]	[illegible]	[illegible]		Anhy. & Strks of Lime
[illegible]	[illegible]	[illegible]		Anhydrite
[illegible]	[illegible]	[illegible]		Anhydrite & Lime
[illegible]	[illegible]	[illegible]		Anhydrite
[illegible]	[illegible]	[illegible]		Anhydrite & Lime
[illegible]	[illegible]	[illegible]		Anhydrite
3286	3297	11	SHOWING OF OIL	Anhydrite & Strks. of Sand
3297	3309	12		Anhy. & Strks of Sandy Lime
3309	3326	17	SHOWING OF GAS	Anhydrite & Lime
3326	3341	15	" GAS & OIL	Anhydrite & Lime
3341	3351	10		Anhydrite & Strks of Lime
3351	3354	3		Anhydrite
3354	3362	8		Anhy. & Soft Streaks
3362	3366	4		Soft Sandy Lime
3366	3399	33		Anhydrite & Lime
3399	3410	11		Sandy Lime & Anhydrite
3410	3416	6		Anhydrite
3416	3471	55		Lime & Anhydrite
3471	3477	6		Anhydrite
3477	3602	125		Anhydrite & Lime
3602	3605	3		Anhydrite
3605	3690	85		Anhydrite & Lime
3690	3695	5		Sand
3695	3705	10		Sand, Lime & Anhydrite
3705	3745	40		Anhydrite & Lime
3745	3758	13		Anhydrite, Sand & Lime
3758	3793	35		Anhydrite & Lime
3793	3801	8		Sandy Lime
3801	3921	120		Anhydrite & Lime
3921	3934	13		Anhydrite & Sandy Lime
3934	3947	13		Anhydrite & Lime
3947	3970	23		Sandy Lime
3970	3972	2		Grey Lime
3972	3992	20		Sandy Lime, Grey
3992	4023	31		Sandy Lime
4023	4058	35		Sandy & Broken Lime
4058	4100	42		Sandy Lime, Grey
4100	4115	15		Sandy Lime
4115	4128	13		Streaks of Sand & Grey Lime
4128	4181	53		Sandy Lime
4181	4206 T.D.	25		Sand & Strks. of Lime

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