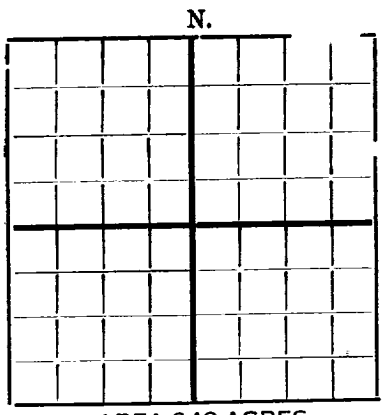
FORM SG 108



AREA 640 ACRES
LOCATE WELL CORRECTLY

NEW MEXI ATE D OFFICE
SANTA F, NEW MEXICO

DUPLICATE

DEPARTMENT OF THE STATE GEOLOGIST

NEW MEXICO SCHOOL OF MINES
Socorro, New Mexico

WELL RECORD

Mail to State Geologist, Socorro, New Mexico, not more than ten days after completion of well. Indicate questionable data by following it with (?). Submit in duplicate.

Company Texas Pacific Coal & Oil Company Address 1710 Fort Worth National Bank Building Fort Worth, Texas

Send correspondence to R. J. Fleckenstein Address "

State of New Mexico "G" Well No. 4 in NW¼ of Sec. 24, T. 18S,

R. 37E, N. M. P. M., Hobbs Oil Field Lea County.

If State land the oil and gas lease is No. 2086 Assignment No.

If patented land the owner is , Address 1710 Fort Worth Nat'l Bk. Bldg.

The lessee is Texas Pacific Coal and Oil Company, Address Fort Worth, Texas

If not state or patented land, give status

Drilling commenced March 25 19 38. Drilling was completed May 11 1938.

Name of drilling contractor Smith & McDonald, Address P. O. Box 67, Electra, Texas

Elevation above sea level at top of casing 3667.8 feet.

The information given is to be kept confidential until 19.

OIL SANDS OR ZONES

No. 1, from 4152 to 4184 No. 4, from to

No. 2, from 4200 to 4220 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 FROM	PERFORATED TO	PURPOSE
13⅜"	54#	8	Spang	208'10"	Plain				
9⅝" O.D.	36#	10	Natl. Seamless	2810'	Baker-Burch Cement Float Shoe				
7"	"	8	"	3206'	Plain				

MUDDING AND CEMENTING RECORD

SIZE	WHERE SET	No. SACKS OF CEMENT	METHODS USED	MUD GRAVITY	AMOUNT OF MUD USED
13⅜"	208'10"	200	Halliburton		
9⅝" O.D.	2810'	400	"		
7"	"	300	"		

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 0 feet to 4225 feet, and from feet to feet

Cable tools were used from feet to feet, and from feet to feet

PRODUCTION

Put to producing May 11, 1938

The production for the first 24 hours was 1,091 barrels of fluid of which % was oil; % emulsion; No Water % water; and % sediment. Gravity, Be.

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

Rock pressure, lbs. per sq. in.

EMPLOYES

, 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 23rd day of May, 1938

Notary Public

My commission expires May 31, 1938

Name R. J. Fleckenstein

Position General Superintendent

Representing Texas Pacific Coal & Oil Company
Company or Operator

DUPLICATE

APPROVED AS O. K.

FORMATION RECORD

From	to	Thickness in Feet	Formation
0	5	5	Caliche
5	92	87	Sand & Shells
92	95	3	Hard Sand
95	100	5	Sand
100	102	2	Hard Sand
102	155	53	Sand
155	198	43	Broken sand & shells
198	364	166	Red Bed
364	395	31	Broken Red Bed
395	600	205	Hard Sandy Shale
600	720	120	Hard Red Shale
720	984	264	Red Bed & Sand
984	1068	84	Sand
1068	1169	101	Sandy Red Bed
1169	1230	61	Sand & Red Bed
1230	1242	12	Hard Sand
1242	1261	19	Red Rock
1261	1326	65	Red Bed
1326	1400	64	Broken Lime & Red Bed
1400	1451	51	Anhydrite
1451	1518	67	Red Bed
1518	1541	23	Anhydrite
1541	1547	6	Red Shale
1547	1620	73	Anhydrite
1620	1661	41	Broken Anhydrite & Salt
1661	1683	22	Anhydrite
1683	1770	87	Broken Shale & Salt
1770	1790	20	Salt & Potash
1790	1798	8	Anhydrite
1798	1841	43	Broken Salt
1841	1853	12	Salt
1853	1878	25	Anhydrite
1878	1897	11	Potash
1897	2045	148	Salt
2045	2122	77	Broken Salt & Potash
2122	2300	178	Salt & Potash
2300	2425	125	Salt & Anhydrite
2425	2431	6	Anhydrite
2431	2540	109	Potash & Salt
2540	2592	52	Broken Anhydrite & Salt
2592	2687	95	Anhydrite
2687	2730	43	Broken Anhydrite
2730	2771	41	Anhydrite & Streaks of Grey Lime
2771	2810	39	Anhydrite & Lime Streaks
2810	2886	76	Anhydrite
2886	2892	6	Lime (Showing gas)
2892	2962	70	Anhydrite & Lime Streaks
2962	3004	42	Anhydrite & Lime
3004	3032	18	Sand
3032	3043	41	Anhydrite & Sand
3043	3107	64	Anhydrite & Lime
3107	3181	74	Anhydrite & Streaks of Lime & Sand
3181	3226	45	Anhydrite
3226	3230	4	Sand
3230	3238	8	Anhydrite
3238	3264	26	Shale
3264	3328	64	Anhydrite
3328	3334	6	Sand
3334	3350	16	Hard Anhydrite
3350	3356	6	Broken Anhydrite
3356	3370	14	Gyp & Anhydrite
3370	3378	8	Anhydrite
3378	3384	6	Sand
3384	3389	5	Anhydrite
3389	3396	7	Sand
3396	3453	57	Anhydrite
3453	3460	7	Shale
3460	3540	80	Anhydrite
3540	3548	8	Sandy Shale
3548	3604	56	Anhydrite
3604	3608	4	Red Beds
3608	3648	40	Anhydrite
3648	3664	16	Sandy Shale
3664	3678	14	Anhydrite
3678	3685	7	Shale
3685	3741	56	Lime (Brown)
3741	3748	7	Lime
3748	3756	8	Sand
3756	3768	12	Grey Lime
3768	3773	5	Sand
3773	3821	48	Grey Lime
3821	3876	55	Lime
3876	3886	10	Hard Lime
3886	3896	10	Grey Lime
3896	3900	4	Hard Lime
3900	3939	39	Hard Grey Lime
3939	3948	9	Lime
3948	3964	16	Grey Lime
3964	3990	26	Lime
3990	3996	6	Soft Sandy Lime
3996	4002	6	Brown Lime
4002	4005	3	Blue Lime
4005	4022	17	Brown Lime
4022	4048	26	Soft Lime
4048	4052	4	Lime
4052	4061	9	Brown Lime
4061	4073	22	Grey Sandy Lime
4073	4088	15	Sandy Lime
4088	4096	8	White Lime
4096	4106	10	Hard White Lime
4106	4116	10	Soft White Lime
4116	4138	22	White Lime
4138	4141	3	Soft Lime
4141	4152	11	White Lime
4152	4171	19	Broken Lime (Showing Oil)
4171	4184	13	Brown Soft Lime
4184	4200	16	Grey Lime
4200	4208	8	Soft Lime
4208	4219	11	Hard Lime
4219	4225	6	Lime