Form SG 108

DUPLICATE

NEW MEXICO STATE LAND OFFICE

SANTA FE, NEW MEXICO

DEPARTMENT OF THE STATE GEOLOGIST

N.

	W. D.		GRIMES				
SHELL							
		x					

AREA 640 ACRES
LOCATE WELL CORRECTLY

WELL RECORD

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

Company Shell Petroleum Corporation Address Box 996, Wink, Texas

Send correspondence to " Address "

W. D. Grimes Well No. 4 in SW 1/4 of Sec. 28, T. 18S

R. 38E, N. M. P. M., Hobbs Oil Field Lea County.

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

If patented land the owner is W. D. Grimes, Address Hobbs, N. M.

The lessee is Shell Petroleum Corporation, Address Box 996, Wink, Texas

If not state or patented land, give status

Drilling commenced 7-21-34 19. Drilling was completed 8-31-34 19.

Name of drilling contractor Oil Well Drilling Company, Address Hobbs, N. M.

Elevation above sea level at top of casing 3646 feet.

The information given is to be kept confidential until Not confidential 19.

DUPLICATE

OIL SANDS OR ZONES

No. 1, from 3990 to 4028 No. 4, from to

No. 2, from 4042 to 4085 No. 5, from to

No. 3, from 4090 to 4230 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 & PULLED FROM	PERFORATED FROM	PERFORATED TO	PURPOSE
12½	50	8		256					Surface String
9-5/8	36	8		2770	Baker				Intermediate
7"	24	10		3935	Guide Shoe & Float Collar				Oil String

MUDDING AND CEMENTING RECORD

SIZE	WHERE SET	NO. SACKS OF CEMENT	METHOD USED	MUD GRAVITY	AMOUNT OF MUD USED
12½	256	150	Halliburton	10 lbs	50 tons
9-5/8	2770	150	"	"	
7	3935	250	"	12 lbs	100 tons

PLUGS AND ADAPTERS

Heaving plug—Material Length Depth Set

Adapters—Material Size

ACID TREATMENT RECORD

[illegible]

SIZE	SHELL USED	EXPLOSIVE USED	QUANTITY	DATE	DEPTH SHOT	DEPTH CLEANED OUT
			1000 gal	8/28/34	3935-4090	
			1000 gal	9/1/34	4085-4230	
			2000 gal	9/25/34	4042-4230	

TOOLS USED

Rotary tools were used from 0 feet to 4230 feet, and from feet to feet

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

PRODUCTION

Put to producing 10-1-, 1934

The production of the first 24 hours was barrels of fluid of which % was oil; % emulsion; % 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.

4400 Bbls/day curve potential based on P.T. 9-29-34

EMPLOYES

Red Davis, Driller T. O. Duke, Driller

H. E. Kemmitz, 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 ~~11th~~ 17th day of October, A. D., 1934

W R Paris.

Notary Public.-Winkler County, Texas

My commission expires June 1, 1935

Name [illegible signature]

Position District Engineer

Representing Shell Petroleum Corporation
Company or Operator.

FORMATION RECORD

FROM	TO	THICKNESS IN FEET	FORMATION
0	19	19	Cellar
19	242	223	Caliche, and Surface Sand
242	347	5	Red Beds 12¼" at w/ 150 sacks
347	760	313	Red Beds and Hard Streaks
760	948	188	Red Beds
948	968	20	Red Beds and Lime
968	1330	362	Red Beds and Hard Streaks
1330	1405	75	Sandy Shale
1405	1525	120	Brown Shale & Hard Streaks
1525	1575	50	Shale & Sandy Lime
1575	1587	12	Anhydrite
1587	1610	23	Shale & Anhydrite
1610	1614	4	Anhydrite
1614	1680	66	Anhydrite & Shale
1680	1700	20	Shale
1700	1755	55	Shale & Streaks of Salt
1755	1772	17	Hard Anhydrite
1772	1800	28	Salt & Hard Streaks
1800	2146	346	Salt & Anhydrite
2146	2550	404	Salt & Streaks of Anhydrite
2550	2634	84	Anhydrite & Streaks of Salt
2634	2640	6	Broken Salt
2640	2706	66	Anhydrite
2706	2770	64	Anhydrite & Streaks Brown Shale
2770	2795	25	Anhydrite & Lime 9-5/8 at 2770 w/150 sacks
2795	2841	46	Lime
2841	2850	9	Broken Lime
2850	2907	57	Anhydrite
2907	2978	71	Anhydrite & Streaks of Shale
2978	3073	95	Lime, Anhydrite & Streaks of Shale
3073	3163	90	Anhydrite
3163	3171	8	Sand Showing Oil
3171	3216	45	Anhydrite
3216	3225	9	Hard Red Sand
3225	3253	28	Anhydrite
3253	3560	7	Anhydrite & Shale
3253	3560	7	Anhydrite & Shale
3560	3570	10	Hard Sand
3570	3678	108	Anhydrite & Streaks of Shale
3678	3687	9	Sand & Lime - Show gas
3687	369[illegible]	9	Lime
3696	3773	77	Anhydrite
3773	3869	96	Anhydrite & Lime
3869	3889	20	Hard Lime
3889	3977	88	Sandy Lime 7" at 3935 w/250 sax
3977	3990	13	Grayish White Lime Top White Lime 3977
3990	4008	18	Grey Lime
4008	4028	20	Very light tan lime
4028	4042	14	Gray lime
4042	4085	43	Brown Saturated Lime
4085	4090	5	Gray Shaly Sand
4090	4226	36	Brown saturated lime
4226	4230	4	Grey lime
	4230		Total Depth