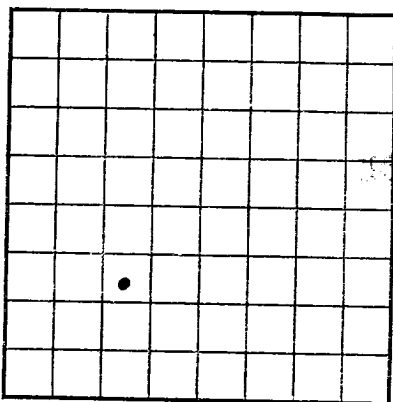




LOCATE WELL CORRECTLY

HOBBS OFFICE 000

U. S. LAND OFFICE **Las Cruces**SERIAL NUMBER **030186(a)**

LEASE OR PERMIT TO PROSPECT

NOV 12 PM 3 04

UNITED STATES

DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

RECEIVED
NOV 3 1959U. S. GEOLOGICAL SURVEY
HOBBS, NEW MEXICO

LOG OF OIL OR GAS WELL

Company **Delhi-Taylor Oil Corporation** Address **Box 1821, Midland, Texas**Lessor or Tract **Line 36, Federal 13 PPTD bel. 11-1-59** Field **Langlo-Mattix** State **New Mexico**Well No. **4** Sec. **15** T. **23S** R. **37E** Meridian **NMPM** County **Lea**Location **1650 ft. N. of S. 10 Line and 1653 ft. E. of W. 12 Line of Section 15** Elevation **3294**

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.

Date **October 30, 1959** Title **District Superintendent**

The summary on this page is for the condition of the well at above date.

Commenced drilling **September 22, 1959** Finished drilling **October 24, 1959**

Oil or Gas Sands or Zones

No. 1, from **3564** to **3570** No. 4, from **3570** to **3574**No. 2, from **3616** to **3640** No. 5, from **3640** to **3644**No. 3, from **3644** to **3648** No. 6, from **3648** to **3652**

Important Water Sands

No. 1, from **None** to **3570** No. 3, from **3570** to **3574**No. 2, from **3616** to **3640** No. 4, from **3640** to **3644**

Casing Record

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated		Purpose
							From—	To—	
8-5/8	32	8R	Used	3564	Ball	3564	3564	3570	Shut off water
8-5/8	24	8R	Used	3570	Ball	3570	3570	3574	Shut off water
5-1/2	15.5	8R	Used	3640	Ball	3640	3640	3644	Shut off water
HISTORY OF OIL OR GAS WELL									

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8-5/8	594	300	Pump	0	0
5-1/2	3680	300	Pump	10.4	

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
1/2	Jet	—	142	10-5	3564 - 3640	3680

TOOLS USED

Rotary tools were used from **0** feet to **3680** feet, and from feet to feet

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

DATES

October 27, 1959 Put to producing October 26, 1959

The production for the first 24 hours was **204** barrels of fluid of which **100** % was oil; **99.7** %emulsion; % water; and **0.3** % sediment. Gravity, °Bé.

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

Re. l. pressure, lbs. per sq. in.

EMPLOYEES

L. D. Funk, Driller **J. W. Dyer**, Driller**M. F. Young**, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	135	135	Caliche & sand
135	604	469	Red bed
604	1003	399	Sand
1003	1122	119	Sand and red bed
1122	1195	73	Anhydrite & gyp
1195	2525	1330	Anhydrite & salt
2525	3345	820	Anhydrite & gyp
3345	3440	95	Lime
3440	3482	42	Anhydrite & lime
3482	3680 T.D.	198	Lime

GEOLOGIC TOPS BY ELECTRIC LOG

Top of Anhydrite	1085'
Base of Salt	2480'
Top of Yates	2670'
Top of Penrose	3532'

[illegible]

FORGETTING TO CORRECT A

9-23-59: Spd 9:15 P.M. 22nd. ID 604. Prep to run 8-5/8" casing.
9-24-59: ID 604. Ran 590' 8-5/8" 22nd casing set at 601', cemented with 250
sax 4% gel and 50 sax regular neat. Plug down 8:55 P.M. 23rd.
9-25-59: Drlg 1500', anhydrite and salt. Will mud up at 3200'.
9-28-59: ID 3189', 11mc. Will mud up at 3200'.
9-29-59: ID 3390'. Going in hole with core barrel to core upper Queen. Mud
Vls. 40', wt. 10.5, water loss 12'.
9-30-59: Core #1, 3390' - 3440'. Rec. 507' coming in hole with bat. Vls. 36',
wt. 10.5, water loss 9.2'.
10-1-59: ID 3520'. Cutting core #2 at 20-25 min per ft. beginning at 3510.
10-2-59: ID 3585'. Cutting core #3 beginning at 3558, 10-20 min per ft. Mud
Vls. 34', wt. 10.3, water loss 16'. Top of Penrose by core 3531'.
10-5-59: ID 3680'. Core #4, 3680' - 3685'. Drilled 3556 - 3680'. Ran Sonic
log to ID. Set 5-1/2" 15.5 J-55 casing at 3680'. Float collar 3657'.
Cemented with 800' sax diamix A. Plug down 2:00 P.M. HST. Now running
Gamma Ray Neutron log. The gamma ray location of the well at above date.
10-6-59: Ran Gamma Ray Neutron log. Perforated 5-1/2" casing from 3564 to 3578
and 3116 to 3540' PCAC log. Released rig 1:00 P.M. HST. Move out rig.
10-7-59: Put in dead men. Waiting on second unit.
10-12-59: Waiting on piping in connection before fracture.
10-14-59: Running 24' casing to gravel.
10-16-59: 300' Penrose w/ 30,000 #3 stages rubber balls, 50 balls per stage. Break
down pressure 2400'. Fractured at 2700'. Maximum injecting pressure 3000
Shut down pressure 2100'. 10 MSIP 1500'. Average injection rate on
free treatment 33 bbls per minute. Well open to stock tanks 5:00 P.M.
on 16th.

2- It is of the greatest importance to have a complete history of the well and lease state in detail and dated with sufficient accuracy to enable the reasons for the work and its results. If there were any changes made in the casing, state fully, and if any casing was scratched or left in the well, give its size and location. If the well has been dynamited, give date, size, position, and number of shots. If pipes or bridges were pulled or tested for water, state kind of material used, position, and results of pumping or pulling.

HISTORY OF OIL OR GAS WELL

U. S. GOVERNMENT PRINTING OFFICE

FROM-	TO-	TOTAL FEET	FORMATION
3188	3080 T.D.	108	lime
3188	3182	6	Amphibrite & lime
3188	3180	2	lime
3188	3178	2	Amphibrite & lime
3188	3176	2	lime
3188	3174	2	Amphibrite & lime
3188	3172	2	lime
3188	3170	2	Amphibrite & lime
3188	3168	2	lime
3188	3166	2	Amphibrite & lime
3188	3164	2	lime
3188	3162	2	Amphibrite & lime
3188	3160	2	lime
3188	3158	2	Amphibrite & lime
3188	3156	2	lime
3188	3154	2	Amphibrite & lime
3188	3152	2	lime
3188	3150	2	Amphibrite & lime
3188	3148	2	lime
3188	3146	2	Amphibrite & lime
3188	3144	2	lime
3188	3142	2	Amphibrite & lime
3188	3140	2	lime
3188	3138	2	Amphibrite & lime
3188	3136	2	lime
3188	3134	2	Amphibrite & lime
3188	3132	2	lime
3188	3130	2	Amphibrite & lime
3188	3128	2	lime
3188	3126	2	Amphibrite & lime
3188	3124	2	lime
3188	3122	2	Amphibrite & lime
3188	3120	2	lime
3188	3118	2	Amphibrite & lime
3188	3116	2	lime
3188	3114	2	Amphibrite & lime
3188	3112	2	lime
3188	3110	2	Amphibrite & lime
3188	3108	2	lime
3188	3106	2	Amphibrite & lime
3188	3104	2	lime
3188	3102	2	Amphibrite & lime
3188	3100	2	lime
3188	3098	2	Amphibrite & lime
3188	3096	2	lime
3188	3094	2	Amphibrite & lime
3188	3092	2	lime
3188	3090	2	Amphibrite & lime
3188	3088	2	lime
3188	3086	2	Amphibrite & lime
3188	3084	2	lime
3188	3082	2	Amphibrite & lime
3188	3080	2	lime
3188	3078	2	Amphibrite & lime
3188	3076	2	lime
3188	3074	2	Amphibrite & lime
3188	3072	2	lime
3188	3070	2	Amphibrite & lime
3188	3068	2	lime
3188	3066	2	Amphibrite & lime
3188	3064	2	lime
3188	3062	2	Amphibrite & lime
3188	3060	2	lime
3188	3058	2	Amphibrite & lime
3188	3056	2	lime
3188	3054	2	Amphibrite & lime
3188	3052	2	lime
3188	3050	2	Amphibrite & lime
3188	3048	2	lime
3188	3046	2	Amphibrite & lime
3188	3044	2	lime
3188	3042	2	Amphibrite & lime
3188	3040	2	lime
3188	3038	2	Amphibrite & lime
3188	3036	2	lime
3188	3034	2	Amphibrite & lime
3188	3032	2	lime
3188	3030	2	Amphibrite & lime
3188	3028	2	lime
3188	3026	2	Amphibrite & lime
3188	3024	2	lime
3188	3022	2	Amphibrite & lime
3188	3020	2	lime
3188	3018	2	Amphibrite & lime
3188	3016	2	lime
3188	3014	2	Amphibrite & lime
3188	3012	2	lime
3188	3010	2	Amphibrite & lime
3188	3008	2	lime
3188	3006	2	Amphibrite & lime
3188	3004	2	lime</

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