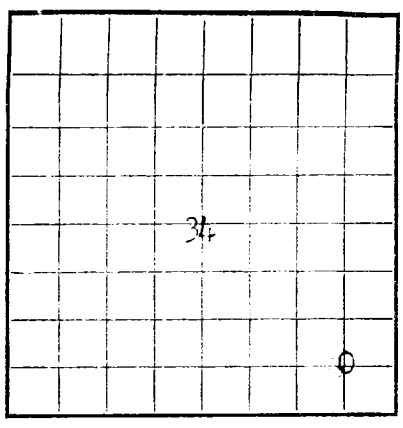
Form 9-330

Budget Bureau No. 42-R355.2.
Approval expires 12-31-52.



LOCATE WELL CORRECTLY

U. S. LAND OFFICE Las Cruces,
SERIAL NUMBER 032618
LEASE OR PERMIT TO PROSPECT Permit

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company The Texas Company Address Fort Worth, Texas

Lessor or Tract I. B. C.g. "B" Field Cooper State New Mexico

Well No. 1 Sec. 34 T. 21S R. 36E Meridian N.M.P.M. County Lea

Location 660 ft. {N./S.} of S. Line and 660 ft. {E./W.} of E. Line of Sec. 34 Elevation 3278
(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

Date May 6, 1935 Title Division Superintendent

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

Commenced drilling March 26, 1935 Finished drilling April 25, 1935

OIL OR GAS SANDS OR ZONES
(Denote gas by G)

No. 1, from 3510 to 3512 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 590 to 700 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
12½"	50#	8	Lapw.	162'	Tex. Pat.				
9 5/8"	40#	8	Smless	1440'	Baker Cement guide shoe.				
7" OD	24#	10	"	3400'	Baker cement guide shoe,				

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
12½"	162'	175	Halliburton		
9 5/8"	1440'	1000	"		
7" OD	3400'	200	"		

FOLD | MARK

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 Surface feet to 3513' feet, and from feet to feet

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

DATES

At rate of 78 bbls PL oil per hour - gas oil ratio 682.

, 19 Put to producing , 19

The production for the first 24 hours was barrels of fluid of which % was oil; %
emulsion; % water; and % sediment. Gravity, °Bé. 29.2

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

Rock pressure, lbs. per sq. in.

EMPLOYEES

Texas
Oil Well Drilling Co-Dallas, Driller R. D. Gibb, Driller
CONTRACTRO
V. E. Beasley, Driller T. N. Boice, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	20	20	Caliche.
20	160	140	Red sandy shale
160	590	430	Red Shale
590	700	110	Gray sand & conglomerate - Santa Rosa water sand 590' - 700'.
700	1170	470	Red shale
1170	1270	100	Red and greenish gray limey shale. Top Rustler anhydrite 1270'.
1270	1310	40	White anhydrite.
1310	1325	15	Red salty shale.
1325	1435	110	White anhydrite 40%, Gr. & Brown dolomite 60%. Top main salt section 1435.
1435	1500	65	White salt 10%, R. Shale & polyhalite 90%.
1500	1565	65	Br.dolo 60%, R. polyhalite 40%.
1565	1900	335	Pink salt 60%, white anhydrite 30%, R. polyhalite 10%.
1900	2080	180	Pink salt 30%, white anhydrite 40%, R. polyhalite 30%.
2080	2145	65	Pink & W. anhydrite 60%, R. shale and polyhalite 40%.
2145	2920	775	Pink salt 80%, white anhydrite 10%, R. polyhalite 10%.
2920	2940	20	White salt 40%, W. anhydrite 60%,
2940	2955	15	Br. and gray dolomite.

[OVER]

16—43094-2

FORMATION RECORD—Continued

FROM—	TO—	TOTAL FEET	FORMATION
2955	3085	130	White salt
3085	3130	45	White salt 90%, Br. shale 10%, Base main salt 3130'.
3130	3195	65	Gray and pink anhydrite
3195	3205	10	Gray anhydrite, trace brown dolomite. Top brown dolomite 3205'.
3205	3225	20	Brown dolomite.
3225	3300	75	Light gray dolomite 90%, white anhydrite 10%.
3300	3320	20	Brown dolomite 60%, G. dolo. and anhydrite 40%, Top sandy section 3320'.
3320	3355	35	G. Sandy dolo: 70%, greensih shaley. sand 30%, trace white dolomite.
3355	3370	15	Greenish gray shaley sand, odor of gas.
3370	3390	20	Gray dolo. 50%, green sandy shale 50%: Top white dolomite by core 3390'.
3390	3400	10	White dolomite 90%, green bentonite 10%
3400	3425	25	White dolomite 80%, green bentonitic Shale 20 %.
3425	3435	10	Gray sand (Slight showing oil & Gas)
3435	3445	10	White dolomite
3445	3455	10	Buff crystaline dolomite (Oil saturation)
3455	3485	30	White dolomite 90%, blue bentonite 10%.
3485	3495	10	White dolomite 50%, buff sand 50% (oil saturation).
3495	3510	15	White crystaline dolomite.
3510	3512	2	Slightly porous and broken crystaline white dolomite. Main oil pay 3510' to 3512'. Tested 78 bbls. per hour.
3512	3513	1	Crystaline white dolomite.
3513		3513	TOTAL DEPTH

HISTORY OF OIL OR GAS WELL

It is of the greatest importance to have a complete history of the well. Please state in detail the dates of redrilling, together with the reasons for the work and its results. If there were any changes made in the casing, state fully, and if any casing was "sidetracked" 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 plugs or bridges were put in to test for water, state kind of material used, position, and results of pumping or bailing.

The top of the main salt section was encountered at 1435' and the base of the main salt section was 3130'. Top of the brown dolomite was at 3205' and the top of the white dolomite 3390'.

One drill stem test was made with Halliburton cone packer from 3215' to 3410' with no show of gas or oil.

The base of the brown lime section was cored fro a definite determination of the top of the white lime. Coring was begun at 3350' and continued to 3410'.

No gas was encountered in either the brown lime or the white lime above the main pay, which was 3510' to 3512'. The main white lime section was drilled by the pressure control method, using oil as circulating fluid.

Drilling was stopped at the first indication of porosity and thoroughly tested and this point was found to be 3510' to 3512', and after all of the oil used for drilling was displaced from the hole the well was flowing at the rate of 78 barrels per hour with gas oil ratio of 882 cubic feet of gas per barrel.

2" tubing was installed and the well completed as of 4-30-35.