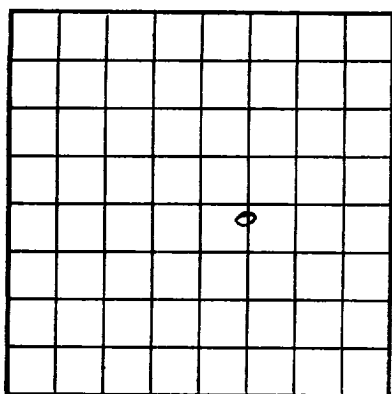


Form 9-390



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company **SO. TEXAN CALIFORNIA PETROLEUM CORPORATION** Address **Box 1071, Midland, Texas**
Lessor or Tract **Federal-Lobb "C"** Field **Teas** State **New Mexico**
Well No. **2** Sec. **13** TOS **R33E** Meridian **NMPM** County **Lea**
Location **2310** ft. {N.} of S. Line and **1980** ft. {W.} of E. Line of Sec. **13** Elevation **3611**
xxxx (Derivat 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 **Jawlan** Title **Division Engineer**
Date **September 25, 1958**

The summary on this page is for the condition of the well at above date.
Commenced drilling **October 31**, 19**57** Finished drilling **March 10**, 19**58**

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

No. 1, from **3334** to **3350** show No. 4, from _____ to _____
No. 2, from **3358** to **3366** show No. 5, from _____ to _____
No. 3, from _____ to _____ No. 6, from _____ to _____

IMPORTANT WATER SANDS

No. 1, from **728** to **755** No. 3, from **3448** to **3474**
No. 2, from **3392** to **3414** No. 4, from **3537** to **3540**

CASING RECORD

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated		Purpose
							From—	To—	
13-3/8	86	8	SH	1061	TP	3335-3350			Oil string
10-3/4	521	8	SH	1061	TP	3350-3366			Oil string
8-5/8	32	8	SH	1061	TP	3366-3392			Water string
5 1/2	14	8	Spang	3491	OS & PC	3392-3420			Oil

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
13-3/8	86	none			3 sax
10-3/4	521	none			5 sax
8-5/8	1001	500	P&P		
5 1/2	3491	75			

PLUGS AND ADAPTERS

Bridge plug—Material **Cast Iron** Length **2.5'** Depth set **3420'**
Adapters—Material _____ Size **1" x 3/4" ext. PB 3420-3411'**

SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out
Treated perfs. 3335-66' w/10,000 gals. ref. oil & 15,000 lbs. 10/20 sand. Recovered 352 B. of 520 B. load oil.						

TOOLS USED

Rotary tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet
Cable tools were used from **0** feet to **3540** feet, and from _____ feet to _____ feet

DATES

_____, 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. _____
If gas well, cu. ft. per 24 hours _____ Gallons gasoline per 1,000 cu. ft. of gas _____
Rock pressure, lbs. per sq. in. _____

EMPLOYEES

_____, Driller _____, Driller
_____, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
3/29-5/11/58 Pumped 286 B. load oil & 891 B. water in 43 days. Settled rate of 2.8 BLOPD & 14.7 BWPD			
5/12-6/10/58 Idle			
6/11-7/18/58 Pumped 66 B. load oil & 731 B. water in 38 days. Declined to rate of 1.7 BLOPD & 20.4 BWPD. 168 BLO left unrecovered			

0	75	75	Surface sand, clay, shale & sand
75	110	35	blue shale
110	630	520	Red beds
630	675	45	Sandy shell
675	728	53	Red beds
728	755	27	Water sand (240' water)
755	765	10	Sandy shell
765	1400	635	Red beds & anhydrite shells.
1400	1450	50	Anhydrite
1450	1945	95	Anhydrite, salt & lime
1945	2920	1375	Salt, polyhalite, anhydrite shells
2920	2993	73	Anhydrite & white dolomite
2993	3130	137	Salt & anhydrite shells
3130	3305	175	Dolomite & anhydrite
3305	3335	30	Dolo.; anhy.; tight shly. sand (Yates)
3335	3367	32	Shly sand (small oil show) & dolomite
3367	3392	25	" " " " tight red
sand and dolomite			

(OVER)

(OVER)

16-43094-2

A 10x10 grid of squares, intended for drawing a picture.

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 _____

Location: ft. $\left\{ \begin{array}{l} N. \\ S. \end{array} \right\}$ of _____ Line and _____ ft. $\left\{ \begin{array}{l} E. \\ W. \end{array} \right\}$ of _____ Line of _____

Well No. _____ Sec. _____ T. _____ R. _____ Meridian _____ County _____

Lessor or Trust _____ Field _____ State _____

Company _____ Address _____

(Tentative by G)

OIL OR GAS SANDS OR LONES

IMPORTANT WATER SANDS

CHOCOLATE DIPS

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 "backtracked" 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 falling.

16-48094-1 U. S. GOVERNMENT PRINTING OFFICE

FROM-		TO-		TOTAL FEET		FORMATION	
3540	3537	3540	3537	3	3	fine white-brown sand - loose	
3537	3536	3537	3536	1	1	bituminous, fine & red sdy. shale	
3536	3535	3536	3535	1	1	white-pink dolomite & grey lime	
3535	3534	3535	3534	1	1	(1000) sulfur water in 8 hrs.	
3534	3533	3534	3533	1	1	fine white loose sand, pyrite	
3533	3532	3533	3532	1	1	gray. dolomite sand	
3532	3531	3532	3531	1	1	hard dolomite	
3531	3530	3531	3530	1	1	sandy dolomite	
3530	3529	3530	3529	1	1	50 gals. oil & 150 gals. sulfur water	
3529	3528	3529	3528	1	1	only: sand (48 hr. well-test log)	
3528	3527	3528	3527	1	1		
3527	3526	3527	3526	1	1		
3526	3525	3526	3525	1	1		
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