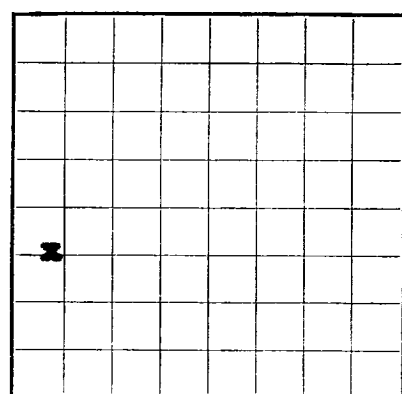


U. S. LAND OFFICE
SERIAL NUMBER **016803**
LEASE OR PERMIT TO PROSPECT

LOCATE WELL CORRECTLY

RECEIVED

AUG 28 1959
U. S. GEOLOGICAL SURVEY
TERRELLA, NEW MEXICOUNITED STATES
DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

AUG 28 1959

LOG OF OIL OR GAS WELL

Company **Fred M. Allison** Address **P.O. Box 916 Corsicana, Texas**
Lessor or Tract **Federal Carper** Field **Square Lake** State **New Mexico**
Well No. **1** Sec. **19** T. **16S R. 31E** Meridian **NMPM** County **Eddy**
Location **1980** ft. ^[N.] of **S** Line and **900** ft. ^[E.] of **W** Line of **Sec. 19** Elevation **3869**
(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 **Robert B. Bell**Date **27 August 1959** Title **Representative**

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

Commenced drilling **8 June**, 19**59** Finished drilling **8 July**, 19**59**

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from **1700** to **1705 G** No. 4, from **3116** to **3130**
No. 2, from **2685** to **2695 G** No. 5, from _____ to _____
No. 3, from **3035** to **3045** No. 6, from _____ to _____

IMPORTANT WATER SANDS

No. 1, from **2405** to **2415** 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		Purpose
							From—	To—	
8 5/8	32	8rd	355	342	Texas				Surface oil string water
5 1/2	15.5	8rd	355	3193	Texas		3015	3130	
7		8rd	355	2334	Texas				

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8 5/8	342	50	pump truck		
5 1/2	3193	125	pump truck		

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 _____ feet to _____ feet, and from _____ feet to _____ feet

Cable tools were used from **surface** feet to **3264** feet, and from _____ feet to _____ feet

DATES

_____ **27 August**, 19**59** Put to producing **shut in**, 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 **1,069,887** Gallons gasoline per 1,000 cu. ft. of gas **.42**Rock pressure, lbs. per sq. in. **838 psi**

EMPLOYEES

_____**W. R. High**_____, Driller _____**Harvey Simpson**_____, Driller_____**Roy Hill**_____, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	5	5	sand
5	15	10	caliche
15	30	15	shale
30	105	75	red rock and shale
105	130	25	red sand
130	155	25	red shale
155	240	85	sand
240	290	50	red shale
290	292	2	red shale
292	300	8	anhydrite
300	305	5	shale
305	320	15	anhydrite and lime
320	344	24	lime
344	390	46	anhydrite
390	395	5	shale
395	405	10	shale
405	440	35	shale and anhydrite
440	1385	945	salt
1385	1410	25	anhydrite
1410	1520	110	anhydrite and shale
1520	1575	55	broken anhydrite
1575	1675	100	shale and anhydrite
1675	1700	25	broken anhydrite
1700	1735	35	shale and anhydrite
1735	1825	90	anhydrite and shale
1825	1850	25	shale and anhydrite and sand

(OVER)

16-43094-4

FROM—	TO—	TOTAL FEET	FORMATION
1895	1905	10	Brown lime
1905	2000	95	anhydrite
2000	2100	10	broken anhydrite
2040	2175	135	shale and anhydrite
2175	2265	90	anhydrite and shale
2265	2314	49	shale and anhydrite
2314	2330	16	anhydrite
2330	2400	70	anhydrite
2400	2420	20	red sand
2420	2430	10	anhydrite
2430	2480	50	lime
2480	2580	100	shale and anhydrite
2580	2620	40	anhydrite
2620	2650	30	shale and anhydrite
2650	2695	45	anhydrite and sand
2695	2760	65	broken anhydrite
2760	2790	30	anhydrite and shale
2790	2818	28	anhydrite and lime
2818	2845	27	gray lime
2845	2895	50	shale and anhydrite
2895	2937	42	gray lime
2937	2952	15	anhydrite and lime
2952	3010	58	brown lime
3010	3036	26	lime
3036	3086	50	soft lime
3086	3096	10	show of oil
3096	3096	34	lime
3096	3096	10	sand and lime
3096	3115	6	sand
3115	3128	19	lime and shale
3128	3132	7	lime
3132	3132	10	sand
3132	3202	70	white lime
3202	3264	62	lime

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.

HISTORY OF OIL OR GAS WELL

18—43094-2 U. S. GOVERNMENT PRINTING OFFICE

8 July 59: Ran 3193 feet of 5½" 15.5 pound casing and cemented with 125 sacks of cement and 25 gallons of latex.

13 July 59: Ran a Gamma ray - Neutron log using North well Surveys, Inc. and perforated from 3103' to 3111' with 4 shots per foot and from 3114' to 3128' with 8 shots per foot.

14 July 59: Gave well tributary treatment of 336 bbls of lease crude and 30,000 pounds of sand.

23 July 59: Perforate from 3035 to 3043 and run a retrievable bridge plug to 3075'.

24 July 59: Fracture formation with 8,000 gallons of lease crude oil and 17,000 pounds of sand.

15 August 59: No-log bottom 5½ feet of well and perforate from 3024' to 3034'. Set retrievable bridge plug at 3040' according to new log.

16 August 59: Attempt to fracture formation but unable to get breakdown.

17 August 59: Run 9" tubing and set packer at 2993'.

18 August 59: Fracture well using 250 gallons of acid, 343 bbls of lease crude and 14,000 pounds of sand.

20 August 59: All zones open to produce.