

La Cruz

U. S. LAND OFFICE
SERIAL NUMBER 029418 (b)

LEASE OR PERMIT TO PROSPECT

#3
Section 26

RECEIVED UNITED STATES
DEPARTMENT OF THE INTERIOR
OCT 24 1960 GEOLOGICAL SURVEY
J. S. GEOLOGICAL SURVEY
ARTESIA, NEW MEXICO
LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company Stelly Oil Company Address Box 38 - Hobbs, New Mexico
 Lessor or Tractor Lee "D" Field Grayburg-Jackson State New Mexico
 Well No. 3 Sec. 26 T. 17S R. 3E Meridian N.M.P.M. County Gray
 Location 1980 ft. S of N line and 660 ft. W of E Line of Section 26 Township 34S DP
 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 [Signature]
 Date October 20, 1960 Dist. Supt. [Signature]

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.

October 20, 1960

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

Commenced drilling **September 1, 1960** Finished drilling **October 7, 1960**

ON OR GAS SANDS OR ZONES

SAND OR GAS SANDS OR ZONES			
(Mention phase by G)			
No. 1, from	2366'	to	2559'
No. 2, from	3350'	to	3647'
No. 3, from	3602'	to	3698'
SAND - 3602' - 3698' - IMPORTANT WATER SANDS			
No. 1, from		to	
No. 2, from		to	
No. 3, from		to	
No. 4, from	3743'	to	3810'
No. 5, from		to	
No. 6, 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"	2 1/4	8-R	SS J-55	927'	Floot	cut at bottom	7764	3810	Surf zone
5-1/2"	15.54	8-R	SS J-55	1918'	Floot	cut at bottom	7764	3810	Oil strings
							(Interval)		
				HISTORY OF OIL ON GYE MEET					

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8-5/8"	937'	125	Halliburton	---	---
5-1/2"	3922'	395	Halliburton	---	---

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 -0 feet to 4000 feet, and from _____ feet to _____ feet

DATES

Put to producing October 14, 1960

The production for the first ~~24~~¹¹ hours was ~~229~~²²⁹ barrels of fluid of which ~~99.9~~^{99.9} % was oil; ----- % emulsion; ----- % water; and ~~1~~¹ % sediment. Gravity, °Bé. ~~37.7~~^{37.7}

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

Rock pressure, lbs. per sq. in. _____

EMPLOYEES

Wood	, Driller	Tripplehorn	, Driller
Prust	, Driller		, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	630	630	Sand & red beds
630	831	201	Anhydrite
831	1772	941	Salt
1772	1937	165	Anhydrite
1937	2327	390	Sand & anhydrite
2327	2945	618	Dolomite, anhydrite & sand
2945	3119	174	Sand & anhydrite
3119	3338	219	Sand
3338	3655	317	Dolomite & sand
3655	3732	77	Sand
3732	4000	268	Dolomite
	4000	TOTAL DEPTH	

GEOLOGICAL TOPS BY McCULLOUGH GAMMA RAY - NEUTRON LOG.

Top Anhydrite	630
Top Salt	831
Base Salt	1772
Top Yates	1937
Top Seven Rivers	2327
Top Queen	2945
Top Penrose	3119
Top Grayburg	3338
Top Premier	3655
Top San Andres	3732

FORMATION RECORD-Continued

FROM	TO	TOTAL FEET	FORMATION
Top of Gravel	25	25	Gravel
Top of Sand	100	100	Sand
Top of Gravel	150	150	Gravel
Top of Sand	200	200	Sand
Top of Gravel	250	250	Gravel
Top of Sand	300	300	Sand
Top of Gravel	350	350	Gravel
Top of Sand	400	400	Sand
Top of Gravel	450	450	Gravel
Top of Sand	500	500	Sand
Top of Gravel	550	550	Gravel
Top of Sand	600	600	Sand
Top of Gravel	650	650	Gravel
Top of Sand	700	700	Sand
Top of Gravel	750	750	Gravel
Top of Sand	800	800	Sand
Top of Gravel	850	850	Gravel
Top of Sand	900	900	Sand
Top of Gravel	950	950	Gravel
Top of Sand	1000	1000	Sand
Top of Gravel	1050	1050	Gravel
Top of Sand	1100	1100	Sand
Top of Gravel	1150	1150	Gravel
Top of Sand	1200	1200	Sand
Top of Gravel	1250	1250	Gravel
Top of Sand	1300	1300	Sand
Top of Gravel	1350	1350	Gravel
Top of Sand	1400	1400	Sand
Top of Gravel	1450	1450	Gravel
Top of Sand	1500	1500	Sand
Top of Gravel	1550	1550	Gravel
Top of Sand	1600	1600	Sand
Top of Gravel	1650	1650	Gravel
Top of Sand	1700	1700	Sand
Top of Gravel	1750	1750	Gravel
Top of Sand	1800	1800	Sand
Top of Gravel	1850	1850	Gravel
Top of Sand	1900	1900	Sand
Top of Gravel	1950	1950	Gravel
Top of Sand	2000	2000	Sand
Top of Gravel	2050	2050	Gravel
Top of Sand	2100	2100	Sand
Top of Gravel	2150	2150	Gravel
Top of Sand	2200	2200	Sand
Top of Gravel	2250	2250	Gravel
Top of Sand	2300	2300	Sand
Top of Gravel	2350	2350	Gravel
Top of Sand	2400	2400	Sand
Top of Gravel	2450	2450	Gravel
Top of Sand	2500	2500	Sand
Top of Gravel	2550	2550	Gravel
Top of Sand	2600	2600	Sand
Top of Gravel	2650	2650	Gravel
Top of Sand	2700	2700	Sand
Top of Gravel	2750	2750	Gravel
Top of Sand	2800	2800	Sand
Top of Gravel	2850	2850	Gravel
Top of Sand	2900	2900	Sand
Top of Gravel	2950	2950	Gravel
Top of Sand	3000	3000	Sand
Top of Gravel	3050	3050	Gravel
Top of Sand	3100	3100	Sand
Top of Gravel	3150	3150	Gravel
Top of Sand	3200	3200	Sand
Top of Gravel	3250	3250	Gravel
Top of Sand	3300	3300	Sand
Top of Gravel	3350	3350	Gravel
Top of Sand	3400	3400	Sand
Top of Gravel	3450	3450	Gravel
Top of Sand	3500	3500	Sand
Top of Gravel	3550	3550	Gravel
Top of Sand	3600	3600	Sand
Top of Gravel	3650	3650	Gravel
Top of Sand	3700	3700	Sand
Top of Gravel	3750	3750	Gravel
Top of Sand	3800	3800	Sand
Top of Gravel	3850	3850	Gravel
Top of Sand	3900	3900	Sand
Top of Gravel	3950	3950	Gravel
Top of Sand	4000	4000	Sand
Top of Gravel	4050	4050	Gravel
Top of Sand	4100	4100	Sand
Top of Gravel	4150	4150	Gravel
Top of Sand	4200	4200	Sand
Top of Gravel	4250	4250	Gravel
Top of Sand	4300	4300	Sand
Top of Gravel	4350	4350	Gravel
Top of Sand	4400	4400	Sand
Top of Gravel	4450	4450	Gravel
Top of Sand	4500	4500	Sand
Top of Gravel	4550	4550	Gravel
Top of Sand	4600	4600	Sand
Top of Gravel	4650	4650	Gravel
Top of Sand	4700	4700	Sand
Top of Gravel	4750	4750	Gravel
Top of Sand	4800	4800	Sand
Top of Gravel	4850	4850	Gravel
Top of Sand	4900	4900	Sand
Top of Gravel	4950	4950	Gravel
Top of Sand	5000	5000	Sand
Top of Gravel	5050	5050	Gravel
Top of Sand	5100	5100	Sand
Top of Gravel	5150	5150	Gravel
Top of Sand	5200	5200	Sand
Top of Gravel	5250	5250	Gravel
Top of Sand	5300	5300	Sand
Top of Gravel	5350	5350	Gravel
Top of Sand	5400	5400	Sand
Top of Gravel	5450	5450	Gravel
Top of Sand	5500	5500	Sand
Top of Gravel	5550	5550	Gravel
Top of Sand	5600	5600	Sand
Top of Gravel	5650	5650	Gravel
Top of Sand	5700	5700	Sand
Top of Gravel	5750	5750	Gravel
Top of Sand	5800	5800	Sand
Top of Gravel	5850	5850	Gravel
Top of Sand	5900	5900	Sand
Top of Gravel	5950	5950	Gravel
Top of Sand	6000	6000	Sand
Top of Gravel	6050	6050	Gravel
Top of Sand	6100	6100	Sand
Top of Gravel	6150	6150	Gravel
Top of Sand	6200	6200	Sand
Top of Gravel	6250	6250	Gravel
Top of Sand	6300	6300	Sand
Top of Gravel	6350	6350	Gravel
Top of Sand	6400	6400	Sand
Top of Gravel	6450	6450	Gravel
Top of Sand	6500	6500	Sand
Top of Gravel	6550	6550	Gravel
Top of Sand	6600	6600	Sand
Top of Gravel	6650	6650	Gravel
Top of Sand	6700	6700	Sand
Top of Gravel	6750	6750	Gravel
Top of Sand	6800	6800	Sand
Top of Gravel	6850	6850	Gravel
Top of Sand	6900	6900	Sand
Top of Gravel	6950	6950	Gravel
Top of Sand	7000	7000	Sand
Top of Gravel	7050	7050	Gravel
Top of Sand	7100	7100	Sand
Top of Gravel	7150	7150	Gravel
Top of Sand	7200	7200	Sand
Top of Gravel	7250	7250	Gravel
Top of Sand	7300	7300	Sand
Top of Gravel	7350	7350	Gravel
Top of Sand	7400	7400	Sand
Top of Gravel	7450	7450	Gravel
Top of Sand	7500	7500	Sand
Top of Gravel	7550	7550	Gravel
Top of Sand	7600	7600	Sand
Top of Gravel	7650	7650	Gravel
Top of Sand	7700	7700	Sand
Top of Gravel	7750	7750	Gravel
Top of Sand	7800	7800	Sand
Top of Gravel	7850	7850	Gravel
Top of Sand	7900	7900	Sand
Top of Gravel	7950	7950	Gravel
Top of Sand	8000	8000	Sand
Top of Gravel	8050	8050	Gravel
Top of Sand	8100	8100	Sand
Top of Gravel	8150	8150	Gravel
Top of Sand	8200	8200	Sand
Top of Gravel	8250	8250	Gravel
Top of Sand	8300	8300	Sand
Top of Gravel	8350	8350	Gravel
Top of Sand	8400	8400	Sand
Top of Gravel	8450	8450	Gravel
Top of Sand	8500	8500	Sand
Top of Gravel	8550	8550	Gravel
Top of Sand	8600	8600	Sand
Top of Gravel	8650	8650	Gravel
Top of Sand	8700	8700	Sand
Top of Gravel	8750	8750	Gravel
Top of Sand	8800	8800	Sand
Top of Gravel	8850	8850	Gravel
Top of Sand	8900	8900	Sand
Top of Gravel	8950	8950	Gravel
Top of Sand	9000	9000	Sand
Top of Gravel	9050	9050	Gravel
Top of Sand	9100	9100	Sand
Top of Gravel	9150	9150	Gravel
Top of Sand	9200	9200	Sand
Top of Gravel	9250	9250	Gravel
Top of Sand	9300	9300	Sand
Top of Gravel	9350	9350	Gravel
Top of Sand	9400	9400	Sand
Top of Gravel	9450	9450	Gravel
Top of Sand	9500	9500	Sand
Top of Gravel	9550	9550	Gravel
Top of Sand	9600	9600	Sand
Top of Gravel	9650	9650	Gravel
Top of Sand	9700	9700	Sand
Top of Gravel	9750	9750	Gravel
Top of Sand	9800	9800	Sand
Top of Gravel	9850	9850	Gravel
Top of Sand	9900	9900	Sand
Top of Gravel	9950	9950	Gravel
Top of Sand	10000	10000	Sand

EMPLOYEES

It was well, on 1st day of 1900, 1000 cu. ft. of gas

emulsion; 1000 cu. ft. of water and 1000 cu. ft. of sediment.

The production for the first 24 hours was 1000 cu. ft. of gas.

Put to producing 1000 cu. ft. of gas.

Rotary tools were used from 1000 feet to 1000 feet.

Table tools were used from 1000 feet to 1000 feet.

TOOLS USED

SHOOTING RECORD

PLUGS AND ADAPTERS

MUDDING AND CEMENTING RECORD

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, drilling, together with the reasons for the work and its results. If there were any changes made in the casing, size, fully, and if any casing was changed, or left in the well, give size and location. If the well has been dynamited, give date, position, and number of shots. If plugs or bridges were put in for water, state size of material used, position, and results of pumping or flowing.

REMARKS

No oil or gas encountered below 3870.

Set Baker Model "K" Bridge Plug at 3870. Perforated 5-1/2" OD casing, 4 shots per foot, with McCullough Jet Strip Gun as follows:

3714 - 3750 - 6 in. diameter WATER SANDS

3784 - 3788 - 4 - 16 holes

3800 - 3810 - 10 - 16 holes

3801 - 3810 - 20 - 16 holes

3810 - 3810 - 20 - 16 holes

Set 2-1/2" tubing at 3643' and backer at 3643'. Spotted 500 gals. 15% reg. acid over casing perfor. 3744-3810' (intervals) and let set one hour. Pressured to 4200' and broke formation down and increased pressure to 4200' and pressure broke back to 4200'.

5400' displaced acid into formation. Fractured down 2-1/2" tubing through 5-1/2" OD casing perfor. 3744-3810' (intervals) with 52,000# 20/40 sand, 1732 lbs. lease

oil, 1600' Adomite and 40 Nylon Ball Sealers, by Dowell Inc. After pumping in sand mixed 1/4" per gal. and Adomite mixed 1/10" per gal. oil. After pumping in 35,000# sand and pressure dropped from 5000' to 5400'. Dropped 20 ball sealers and pressure increased to 5900'. Dropped remaining 20 ball sealers and pressure increased to 6400'.

Attempted to continue treatment with sand and mixed 1/4" per gal. oil and pressure increased to 6500' and could not continue. Noted 1/4" per gal. oil and pressure increased to 6500' and could not continue. Noted

pressure and let ball sealers fall to bottom, then continued treatment gradually increasing sand to 3/4" per gal. oil and pumped with 17,000# sand, at 5700'

pressure. Max. pressure 6500', min. pressure 4500', max. rate 10.5 gpm. per minute. Time of treatment 2 hours and three min.

Shut down pressure 2000', dropped to 1300' in 12 hours.

After recording all test oil, well closed 209 psi in 17 hours. Pressure

LOCATE WELL CORRELATION

8/4" choke, 1.8, 90#.

LOG OF OIL OR GAS WELL

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

RECEIVED
OCT 25 1900

U.S. GEOLOGICAL SURVEY

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