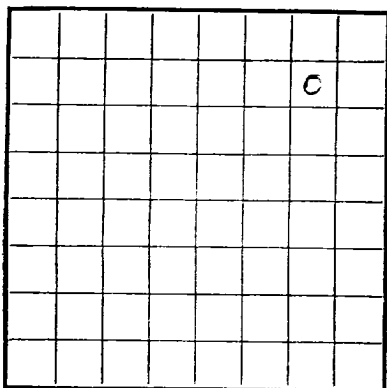


U. S. LAND OFFICE **Santa Fe**SERIAL NUMBER **NM 03356**

LEASE OR PERMIT TO PROSPECT



LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company **JAMES E. ROGERS** Address **406 East San Antonio St. El Paso, Texas**
Lessor or Tract **James E. Rogers** Field **Tapacitos** State **New Mexico**
Well No. **1** Sec. **16** T. **25N** R. **3E** Meridian **NIPM** County **Rio Arriba**
Location **790** ft. **N.** of **N.** Line and **790** ft. **E.** of **E.** Line of **Sec. 16** Elevation **7247**
(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 **7/7/58**Title **Operator**

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

Commenced drilling **6/4/**, 19 **58** Finished drilling **6/14/58**, 19

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from **3726** to **3743** 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 _____ to _____ 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"	24	PF	CPI	131.43					Surface
5 1/2"	14	8 Ad		3778	Halliburton		3772	3740	Producing
2-3/8"		8 Ad		3758					 tubing

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8-5/8"	131.43	150 Sacks	Circulated		
5 1/2"	3778	100 Sacks	Single Stage	9.6	

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 **0** feet to **3822** feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

Spudded June 1st., 19**58** 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 **5,907 MCF** Gallons gasoline per 1,000 cu. ft. of gas _____

Rock pressure, lbs. per sq. in. **1060**

EMPLOYEES

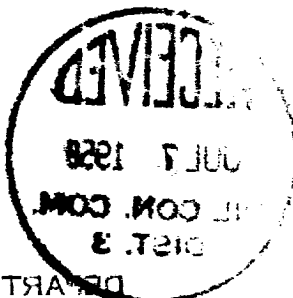
Empire States Drilling Co. Driller _____, Driller
_____, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	2600	2600	Interbedded ss and shale
2600	2730	130	Ojo Alamo ss. White cr-gr sand.
2730	3370	640	Kirtland form. Gry sh interbedded w/tight gry fn-gr ss.
3370	3726	356	Fruitland form. Gry Carb sh. scattered coals, coals & gry. tight, fn-gr ss.
3726	3822	96	Pictured Cliffs form. Gry, fn-gr tight, vari-colored soft ss.

[OVER]

DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
UNITED STATES



A blank 10x10 grid for graphing, consisting of 10 columns and 10 rows of squares.

LOCATE WELL CORRECTLY

Commenced drilling _____ 19____ Finished drilling _____ 19____
The summary on this page is for the condition of the well at above date.
Date _____ Title _____

No. 1, from _____ to _____
No. 2, from _____ to _____
No. 3, from _____ to _____
No. 4, from _____ to _____
No. 5, from _____ to _____
No. 6, from _____ to _____
No. 7, from _____ to _____
No. 8, from _____ to _____

shots per foot; fractured limestone with 30,000
sand, 40,000 gals of water, breakdown pressure 1700 lbs.,
bleeding pressure 1100 lbs., 1.8-4.7 bbl; dropped 20 rubber
balls half way through fracture. IMPROVED WATER-SANDS

Size	Weight	Thread	Material	Remarks
1/2"	10 lbs	1/2"	Steel	Used for pumping or pulling.
3/4"	15 lbs	3/4"	Steel	Used for pumping or pulling.
1"	20 lbs	1"	Steel	Used for pumping or pulling.
1 1/4"	30 lbs	1 1/4"	Steel	Used for pumping or pulling.
1 1/2"	40 lbs	1 1/2"	Steel	Used for pumping or pulling.
1 3/4"	50 lbs	1 3/4"	Steel	Used for pumping or pulling.
2"	60 lbs	2"	Steel	Used for pumping or pulling.
2 1/4"	70 lbs	2 1/4"	Steel	Used for pumping or pulling.
2 1/2"	80 lbs	2 1/2"	Steel	Used for pumping or pulling.
2 3/4"	90 lbs	2 3/4"	Steel	Used for pumping or pulling.
3"	100 lbs	3"	Steel	Used for pumping or pulling.
3 1/4"	110 lbs	3 1/4"	Steel	Used for pumping or pulling.
3 1/2"	120 lbs	3 1/2"	Steel	Used for pumping or pulling.
3 3/4"	130 lbs	3 3/4"	Steel	Used for pumping or pulling.
4"	140 lbs	4"	Steel	Used for pumping or pulling.
4 1/4"	150 lbs	4 1/4"	Steel	Used for pumping or pulling.
4 1/2"	160 lbs	4 1/2"	Steel	Used for pumping or pulling.
4 3/4"	170 lbs	4 3/4"	Steel	Used for pumping or pulling.
5"	180 lbs	5"	Steel	Used for pumping or pulling.
5 1/4"	190 lbs	5 1/4"	Steel	Used for pumping or pulling.
5 1/2"	200 lbs	5 1/2"	Steel	Used for pumping or pulling.
5 3/4"	210 lbs	5 3/4"	Steel	Used for pumping or pulling.
6"	220 lbs	6"	Steel	Used for pumping or pulling.
6 1/4"	230 lbs	6 1/4"	Steel	Used for pumping or pulling.
6 1/2"	240 lbs	6 1/2"	Steel	Used for pumping or pulling.
6 3/4"	250 lbs	6 3/4"	Steel	Used for pumping or pulling.
7"	260 lbs	7"	Steel	Used for pumping or pulling.
7 1/4"	270 lbs	7 1/4"	Steel	Used for pumping or pulling.
7 1/2"	280 lbs	7 1/2"	Steel	Used for pumping or pulling.
7 3/4"	290 lbs	7 3/4"	Steel	Used for pumping or pulling.
8"	300 lbs	8"	Steel	Used for pumping or pulling.
8 1/4"	310 lbs	8 1/4"	Steel	Used for pumping or pulling.
8 1/2"	320 lbs	8 1/2"	Steel	Used for pumping or pulling.
8 3/4"	330 lbs	8 3/4"	Steel	Used for pumping or pulling.
9"	340 lbs	9"	Steel	Used for pumping or pulling.
9 1/4"	350 lbs	9 1/4"	Steel	Used for pumping or pulling.
9 1/2"	360 lbs	9 1/2"	Steel	Used for pumping or pulling.
9 3/4"	370 lbs	9 3/4"	Steel	Used for pumping or pulling.
10"	380 lbs	10"	Steel	Used for pumping or pulling.
10 1/4"	390 lbs	10 1/4"	Steel	Used for pumping or pulling.
10 1/2"	400 lbs	10 1/2"	Steel	Used for pumping or pulling.
10 3/4"	410 lbs	10 3/4"	Steel	Used for pumping or pulling.
11"	420 lbs	11"	Steel	Used for pumping or pulling.
11 1/4"	430 lbs	11 1/4"	Steel	Used for pumping or pulling.
11 1/2"	440 lbs	11 1/2"	Steel	Used for pumping or pulling.
11 3/4"	450 lbs	11 3/4"	Steel	Used for pumping or pulling.
12"	460 lbs	12"	Steel	Used for pumping or pulling.
12 1/4"	470 lbs	12 1/4"	Steel	Used for pumping or pulling.
12 1/2"	480 lbs	12 1/2"	Steel	Used for pumping or pulling.
12 3/4"	490 lbs	12 3/4"	Steel	Used for pumping or pulling.
13"	500 lbs	13"	Steel	Used for pumping or pulling.
13 1/4"	510 lbs	13 1/4"	Steel	Used for pumping or pulling.
13 1/2"	520 lbs	13 1/2"	Steel	Used for pumping or pulling.
13 3/4"	530 lbs	13 3/4"	Steel	Used for pumping or pulling.
14"	540 lbs	14"	Steel	Used for pumping or pulling.
14 1/4"	550 lbs	14 1/4"	Steel	Used for pumping or pulling.
14 1/2"	560 lbs	14 1/2"	Steel	Used for pumping or pulling.
14 3/4"	570 lbs	14 3/4"	Steel	Used for pumping or pulling.
15"	580 lbs	15"	Steel	Used for pumping or pulling.
15 1/4"	590 lbs	15 1/4"	Steel	Used for pumping or pulling.
15 1/2"	600 lbs	15 1/2"	Steel	Used for pumping or pulling.
15 3/4"	610 lbs	15 3/4"	Steel	Used for pumping or pulling.
16"	620 lbs	16"	Steel	Used for pumping or pulling.
16 1/4"	630 lbs	16 1/4"	Steel	Used for pumping or pulling.
16 1/2"	640 lbs	16 1/2"	Steel	Used for pumping or pulling.
16 3/4"	650 lbs	16 3/4"	Steel	Used for pumping or pulling.
17"	660 lbs	17"	Steel	Used for pumping or pulling.
17 1/4"	670 lbs	17 1/4"	Steel	Used for pumping or pulling.
17 1/2"	680 lbs	17 1/2"	Steel	Used for pumping or pulling.
17 3/4"	690 lbs	17 3/4"	Steel	Used for pumping or pulling.
18"	700 lbs	18"	Steel	Used for pumping or pulling.
18 1/4"	710 lbs	18 1/4"	Steel	Used for pumping or pulling.
18 1/2"	720 lbs	1		

HISTORY OF OH. OR GAS WELL.

[illegible]