

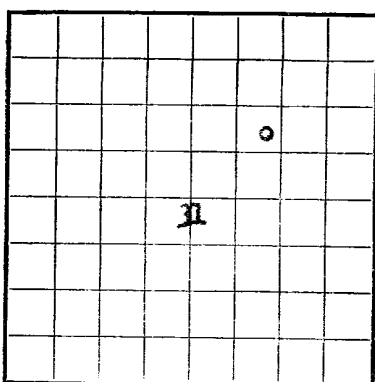
U. S. LAND OFFICE Santa FeSERIAL NUMBER N.A. 0702

LEASE OR PERMIT TO PROSPECT

UNITED STATES

DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY



LOCATE WELL CORRECTLY

LOG OF OIL OR GAS WELL

Company Southern Union Production Co. Address P. O. Box 606, Farmington, New Mex.Lessor or Tract Acid Field Lasin Dakota State New MexicoWell No. 2-E Sec. 31 T. 29N R. 10W Meridian N.M.P.M. County San JuanLocation 1510 ft. N. of 4 Line and 1600 ft. W. of E Line of Section 31 Elevation 5594
(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 G. D. Roland, Jr.Date January 30, 1962 Title Drilling Superintendent

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

Commenced drilling 12/6, 1961 Finished drilling 1/10, 1962

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 6340 to 6346 No. 4, from 6184 to 6190No. 2, from 6312 to 6324 No. 5, from 6168 to 6172No. 3, from 6244 to 6292 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—	
10-3/4	47.0	8	535	8305					
8-1/2	35.0	8	535	8305					
6-5/8	26.0	8	535	8305					
4-1/2	16.0	8	535	8305					
2-3/8	8.0	8	535	8305					
HISTORIA OF OIL OR GAS WELL									

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
10-3/4	206 ft.	225 sacks	Circ.		
4-1/2	6144 ft.	1125 cu. ft.	(1st stage w/300 cu. ft. 1-1 Slur + 25 cu. ft. Latex Cement, stage collar set - 1942 ft. 2nd stage w/300 cu. ft. 1-1 Slur + 25 cu. ft. Latex Cement)		
2-3/8	6316 ft.				

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
Perf. 4 shots/ft. 6340-6346, 6312-6324, same water frac w/20,000 20-40 sand and 17,992 lbs. water.	Perf. 4 shots/ft. 6244-6272, same water frac w/30,000 20-40 sand and 716 lbs. water.	Perf. 4 shots/ft. 6184-6190, 6168-6172, same water frac w/20,000 20-40 sand and 510 lbs. water.				

Rotary tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

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

DATES

January 24, 1962 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 _____ = 2046, 6107 = 2046, (7 days)

Gardner Bros. Drilling Co., Driller _____ Albert Schneider, Driller

A. E. Jones, Driller _____ A. L. Leake, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
Surf	740	740	Basalt
740	1345	805	Siltland
1345	1765	220	Fruitland
1765	1900	135	Pictured Cliffs
1900	3345	1445	Lewis
3345	4400	1055	Los Alamos
4400	6120	1720	Pancos
6120	6445	325	Dakota
6445	6445	0	

A blank sheet of graph paper with a grid pattern. The grid consists of 10 columns and 8 rows of squares. The lines are thin and black, set against a white background. There is no text or other markings on the page.

LOG OF OIL OR GAS WELL

GEOLOGICAL SURVEY

DEPARTMENT OF THE INTERIOR

UNITED STATES

LEAVE OR PERMIT TO RE-ENTER

GENERAL INDEX

U.S. Land Office

Date _____
 Title _____
 Signed _____
 The information given herewith is a complete and correct record of the well and all work done thereon
 (Check Good relative to sea level)
 Location _____ ft. S. of _____ ft. W. of _____ line and _____ ft. E. of _____ line of _____
 Well No. _____ Sec. _____ T. _____ R. _____ Meridian _____ County _____ State _____
 Lessor or Trust _____
 Company _____
 Address _____
 Field _____
 State _____

OIL OR GAS SANDS OR ZONES

(b) (5) ACP.

No. 1, from	to	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 _____ of _____ No. 3 from _____
 No. 2 from _____ of _____ No. 4 from _____

CASING RECORD

Size Case	Weight per foot	Threads per inch	Make	Amount	Kind of shoe run and pulled from	From - To -	Performed By

HISTORY OF OIL OR GAS WELL

MIDDLETOWN AND CEMENTING RECORD

[illegible]

SHOOTING RECORD

[illegible]

TOOLS USED

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

DATE

Rock pressure, lbs. per sq. in.	
If gas well, cu. ft. per 24 hours	
emulsion; _____% water; and _____% sediment	
The production for the first 24 hours was	_____ barrels of fluid of which _____% was oil; _____%
Put to producing	_____ 19____

Gallons gasoline per 1,000 cu. ft. of gas Gravity, °Bé.

EMPLOYEES

	Diller
	Diller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
10	10	10	10
20	20	20	20
30	30	30	30
40	40	40	40
50	50	50	50
60	60	60	60
70	70	70	70
80	80	80	80
90	90	90	90
100	100	100	100