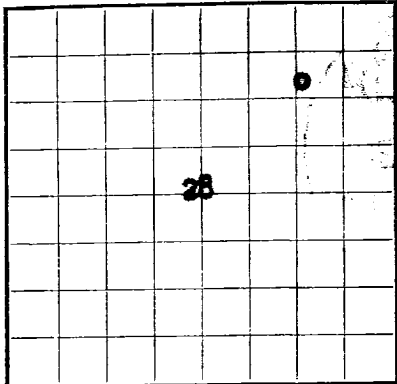


Form 9-330

U. S. LAND OFFICE Santa Fe
SERIAL NUMBER 57 078214
LEASE OR PERMIT TO PROSPECT 54
Sec. 28, T-30N, R-13W, N.M.P.M.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

RECEIVED
DEC 2 1963



LOCATE WELL CORRECTLY

LOG OF OIL OR GAS WELL

U. S. GEOLOGICAL SURVEY
FARMINGTON, NEW MEXICO

Company Southern Union Production Co. Address Box 808, Farmington, New Mexico
Lessor or Tract McCord Field Basin Dakota State New Mexico
Well No. 3 Sec. 28 T. 30N R. 13W Meridian N.M.P.M. County San Juan
Location 1155 ft. XXI of N Line and 920 ft. IX of E Line of Sec. 28 Elevation 5729
(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 Gilbert D. Noland, Jr. Title Drilling Superintendent

Date November 20, 1963

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

Commenced drilling October 6, 1963, 19 63 Finished drilling October 19, 19 63

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 6223 to 6332(8) 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	26.50	8rd.	J-55	6250	Inside				Surf. Prod.
1-1/2	10.50	8rd.	J-55	6250	Inside				Prod.
1-1/2	2.90	10rd.	J-55	6250	Inside				Tubing

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8-5/8	262 ft.	150 sk.	Pump Plug		
1-1/2	6466 ft.	Cement 1st stage w/10 cu. ft. cement. Stage Collar at 4558 ft.			
		Cement 2nd stage w/1000 cu. ft. 40% class 1 cement. Pump Plug method used.			

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. 1 shot/ft.	6223-6240, 6249-6254, 6287-6293, 6309-6318, 6323-6349, 6370-6379.					
3rd water free perfs with 87,500 gal. sand and 101,650 gallons of 16 Calcium Chloride water containing 240 cu. ft. CO ₂ /bbl.						

TOOLS USED

Rotary tools were used from 0 feet to 6467 feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

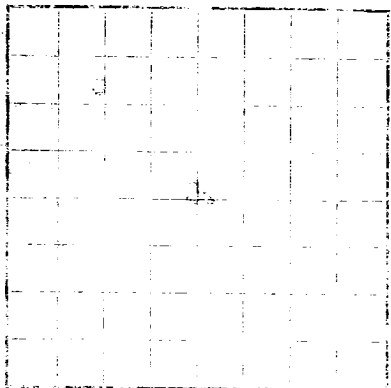
November 5, 19 63 Put to producing _____, 19 _____
The production for the first 24 hours was _____ barrels of fluid of which _____% was oil; _____% emulsion; _____% water; and _____% sediment. Gravity, °Bé. _____
If gas well, cu. ft. per 24 hours 3,116 MCFD Gallons gasoline per 1,000 cu. ft. of gas _____
Rock pressure, lbs. per sq. in. 7 day STOP 1940 psi; STOP 1945. GADP = 3,818 MCFPD.

EMPLOYEES

Gardner Prod. Drig. Co., Driller C. G. Seybert, Driller
Levi chrock, Driller H. C. Clements, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
Surf.	300	300	Asatch
300	1500	1200	Kirtland
1500	1660	160	Fruitland
1660	1775	115	Pictured Cliffs
1775	3200	1425	Lewis
3200	6440	1240	Mesa Verde
6440	6220	1780	Mancos
6220	6467	247	Dakota



UNITED STATES
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GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company, location, and other data. The information on this page is for the use of the well owner and should be kept confidential. The information on this page is for the use of the well owner and should be kept confidential.

OIL OR GAS RECORD

Well No. 1 from 0 to 100 feet
Well No. 2 from 100 to 200 feet
Well No. 3 from 200 to 300 feet

CASING RECORD

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

FROM-	TO-	TOTAL FEET	FORMATION
0	10	10	Gravelly sand
10	20	20	Sand
20	30	30	Sand
30	40	40	Sand
40	50	50	Sand
50	60	60	Sand
60	70	70	Sand
70	80	80	Sand
80	90	90	Sand
90	100	100	Sand
100	110	110	Sand
110	120	120	Sand
120	130	130	Sand
130	140	140	Sand
140	150	150	Sand
150	160	160	Sand
160	170	170	Sand
170	180	180	Sand
180	190	190	Sand
190	200	200	Sand
200	210	210	Sand
210	220	220	Sand
220	230	230	Sand
230	240	240	Sand
240	250	250	Sand
250	260	260	Sand
260	270	270	Sand
270	280	280	Sand
280	290	290	Sand
290	300	300	Sand
300	310	310	Sand
310	320	320	Sand
320	330	330	Sand
330	340	340	Sand
340	350	350	Sand
350	360	360	Sand
360	370	370	Sand
370	380	380	Sand
380	390	390	Sand
390	400	400	Sand
400	410	410	Sand
410	420	420	Sand
420	430	430	Sand
430	440	440	Sand
440	450	450	Sand
450	460	460	Sand
460	470	470	Sand
470	480	480	Sand
480	490	490	Sand
490	500	500	Sand
500	510	510	Sand
510	520	520	Sand
520	530	530	Sand
530	540	540	Sand
540	550	550	Sand
550	560	560	Sand
560	570	570	Sand
570	580	580	Sand
580	590	590	Sand
590	600	600	Sand
600	610	610	Sand
610	620	620	Sand
620	630	630	Sand
630	640	640	Sand
640	650	650	Sand
650	660	660	Sand
660	670	670	Sand
670	680	680	Sand
680	690	690	Sand
690	700	700	Sand
700	710	710	Sand
710	720	720	Sand
720	730	730	Sand
730	740	740	Sand
740	750	750	Sand
750	760	760	Sand
760	770	770	Sand
770	780	780	Sand
780	790	790	Sand
790	800	800	Sand
800	810	810	Sand
810	820	820	Sand
820	830	830	Sand
830	840	840	Sand
840	850	850	Sand
850	860	860	Sand
860	870	870	Sand
870	880	880	Sand
880	890	890	Sand
890	900	900	Sand
900	910	910	Sand
910	920	920	Sand
920	930	930	Sand
930	940	940	Sand
940	950	950	Sand
950	960	960	Sand
960	970	970	Sand
970	980	980	Sand
980	990	990	Sand
990	1000	1000	Sand