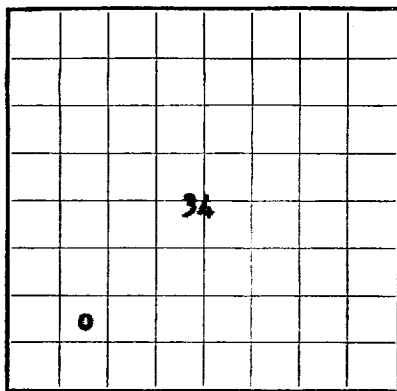
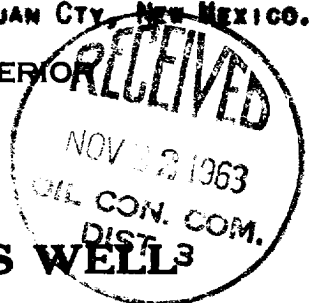




LOCATE WELL CORRECTLY

U. S. LAND OFFICE **SANTA FE**
SERIAL NUMBER **SF 078463-A**
LEASE OR PERMIT TO PROSPECT **W/2,**
SEC. 34, T31N, R13W, N.M.P.M., SAN
JUAN CTY, NEW MEXICO.UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company **SOUTHERN UNION PRODUCTION COMPANY** Address **P.O. Box 808, FARMINGTON, NEW MEXICO**Lessor or Tract **FEDERAL LEA** Field **BASIN DAKOTA** State **NEW MEXICO**Well No. **(1)** Sec. **34** T. **31N** R. **13W** Meridian **N.M.P.M.** County **SAN JUAN**Location **790** ft. **[N.]** of **S** Line and **1140** ft. **[E.]** of **W** Line of **SECTION 34** Elevation **5824**
(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.**Date **NOVEMBER 12, 1963** Title **DRILLING SUPERINTENDENT**

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

Commenced drilling **SEPTEMBER 16**, 19**63** Finished drilling **OCTOBER 5**, 19**63**

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from **6422** to **6532 (G)** 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	21.0	8	JCS	6422	0	6422	6422	6532	Surface
4 1/2	10.5	8	JCS	6422	0	6422	6422	6532	Production
1 1/2	2.90	10	JCS	6422	0	6422	6422	6532	Production
THE LOGS OF OIL OR GAS WELLS									

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8 5/8	272	150 BX	PUMP PLUS		
4 1/2	6680	410 CU. FT. ON 1ST STAGE - STAGE COLLAR SET AT 4665 R.K.B. & CEMENTED W/100 CU. FT. CEMENT. PUMP PLUS 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 HOLE AT FOLLOWING DEPTHS: 6422, 6424, 6427, 6429, 6437, 6441, 6444, 6458, 6476, 6482, 6484, 6486, 6488, 6490, 6498, 6506, 6508, 6510, 6512, 6524, 6516, 6518, 6529, 6532 - SAND WATER AND CO2 FRAC PERFS W/65,000# SAND AND 72,800 GALLONS OF WATER.						

TOOLS USED

Rotary tools were used from **0** feet to **6680** feet, and from _____ feet to _____ feet

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

DATES

OCTOBER 29, 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 **1,641 MCFD** Gallons gasoline per 1,000 cu. ft. of gas _____Rock pressure, lbs. per sq. in. **7 DAY STOP 1713, STOP 1714, CAOF=1,886 MCFD**

EMPLOYEES

HURON DRILLING COMPANY, Driller **B. J. ROBERTS**, Driller**F. V. CARROLL**, Driller **SELDON McMAHAN**, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
SURFACE	280 FT.	280 FT.	WASATCH
280 FT.	1580 FT.	1270 FT.	KIRTLAND
1580 FT.	1900 FT.	350 FT.	FRUITLAND
1900 FT.	2050 FT.	150 FT.	PICTURED CLIFFS
2050 FT.	3475 FT.	1425 FT.	LEWIS
3475 FT.	4600 FT.	1125 FT.	MESA VERDE
4600 FT.	6363 FT.	1763 FT.	MANCOS
6363 FT.	6680 FT.	317 FT.	DAKOTA

SECRET

(1994-1995)

1. *Journal of the American Medical Association*, 1997; 277: 1033-1036.

HISTORY OF OIL OR GAS WELL

HISTORY OF OIL OR GAS WELL

U. S. GOVERNMENT PRINTING OFFICE 16-6094-2

250