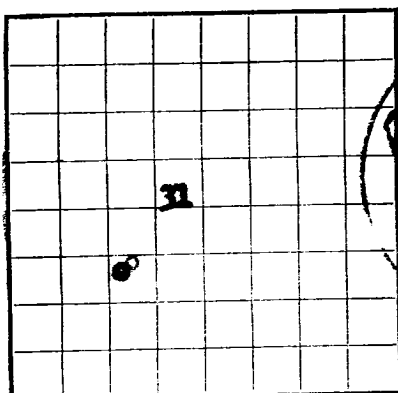




LOCATE WELL CORRECTLY

U. S. LAND OFFICE Santa Fe
SERIAL NUMBER New Mexico 0702
LEASE OR PERMIT TO PROSPECT _____UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company Southern Union Production Co. Address P. O. Box 808, Farmington, New Mexico
Lessor or Tract Raid Field Basin Dakota State New Mexico
Well No. 1-B Sec. 31 T. 23N R. 10W Meridian N.M.P.M. County San Juan
Location 1850 ft. N. of S Line and 1180 ft. E. of M Line of Section 31 Elevation 5713
(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. Noland, Jr. Title Drilling Superintendent

Date March 1, 1962

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

Commenced drilling 12/13, 19 61 Finished drilling Jan. 7,, 19 62

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from <u>6174</u> to <u>6184</u> G	No. 4, from <u>6270</u> to <u>6274</u> G
No. 2, from <u>6138</u> to <u>6131</u> G	No. 5, from <u>6290</u> to <u>6294</u> G
No. 3, from <u>6350</u> to <u>6390</u> G	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—	
<u>8-5/8</u>	<u>258</u>	<u>1125</u>	<u>API</u>	<u>1125 cu. ft.</u>	<u>Pump Plug</u>	<u>Oct. 1st stage w/300 cu. ft. 1-1 Diarix</u>			
<u>4-1/2</u>	<u>650.9</u>	<u>1125</u>	<u>API</u>	<u>1125 cu. ft.</u>	<u>Pump Plug</u>	<u>Oct. 2nd stage w/800 cu. ft. 1-1 Diarix</u>			
<u>1-1/2</u>	<u>6304</u>	<u>1125</u>	<u>API</u>	<u>1125 cu. ft.</u>	<u>Pump Plug</u>	<u>Oct. 3rd stage w/800 cu. ft. 1-1 Diarix</u>			

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
<u>8-5/8</u>	<u>258 KB</u>	<u>175 sacks</u>	<u>Pump Plug</u>		
<u>4-1/2</u>	<u>650.9 KB</u>	<u>1125 cu. ft.</u>	<u>Pump Plug (Oct. 1st stage w/300 cu. ft. 1-1 Diarix</u>		
<u>1-1/2</u>	<u>6304 KB</u>		<u>+ 25 cu. ft. latex. Stage collar set @ 2053. 58 KB</u>		
			<u>Oct. 2nd stage w/800 cu. ft. 1-1 Diarix</u>		

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
<u>Perf. 1</u>	<u>shots/ft. 6174-6184, 6138-6131, Sand Water Free w/20,000</u>					<u>20-40 sand and</u>
<u>21,210 Gal. water.</u>	<u>Perf. 1</u>	<u>shots/ft. 6350-6390, Sand Water Free w/30,000</u>				<u>20-40 sand</u>
<u>and 30,000 Gal. Water.</u>	<u>Perf. 1</u>	<u>shots/ft. 6270-6274, 6290-6294, Sand water free with</u>				<u>20,000</u>
<u>20-40 sand and 21,502 Gal. Water.</u>						
TOOLS USED						
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

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. _____ SITP 2006, SICP 2009.

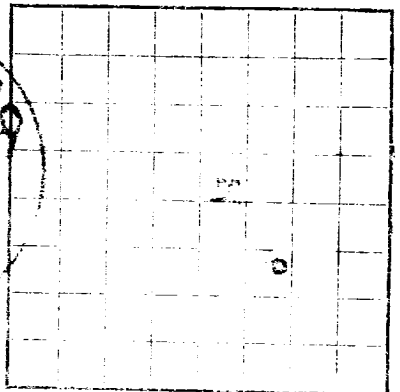
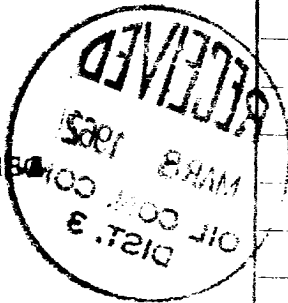
EMPLOYEES

Aspen Drilling Co., Driller K. R. Shorte, Driller
H. E. Clements, Driller A. R. Haskins, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
<u>Surf.</u>	<u>810</u>	<u>810</u>	<u>Wasatch</u>
<u>810</u>	<u>1580</u>	<u>770</u>	<u>Kirtland</u>
<u>1580</u>	<u>1870</u>	<u>290</u>	<u>Fruitland</u>
<u>1870</u>	<u>1940</u>	<u>70</u>	<u>Pictured Cliffs</u>
<u>1940</u>	<u>3445</u>	<u>1505</u>	<u>Lewis</u>
<u>3445</u>	<u>4560</u>	<u>1115</u>	<u>Mancos</u>
<u>4560</u>	<u>6230</u>	<u>1670</u>	<u>Mancos</u>
<u>6230</u>	<u>6517</u>	<u>287</u>	<u>Dakota</u>

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY



LOCATE WELL CORRECTLY

Commenced drilling _____, 1907. Finished drilling _____, 1907.

(Derivale des ϕ)

IMPORTANT WATER SANDS

CASING RECORD

HISTORY OF OIL OR GAS WELL

16-43094-2 U. S. GOVERNMENT PRINTING OFFICE

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PLUGS AND ADAPTERS

SHOOTING RECORD

ITEMS USED

DATE	DESCRIPTION	AMOUNT	CHECK NO.	BANK	INITIALS
10/1/58	...	...	...	...	...
10/2/58	...	...	...	...	...
10/3/58	...	...	...	...	...
10/4/58	...	...	...	...	...
10/5/58	...	...	...	...	...
10/6/58	...	...	...	...	...
10/7/58	...	...	...	...	...
10/8/58	...	...	...	...	...
10/9/58	...	...	...	...	...
10/10/58	...	...	...	...	...
10/11/58	...	...	...	...	...
10/12/58	...	...	...	...	...
10/13/58	...	...	...	...	...
10/14/58	...	...	...	...	...
10/15/58	...	...	...	...	...
10/16/58	...	...	...	...	...
10/17/58	...	...	...	...	...
10/18/58	...	...	...	...	...
10/19/58	...	...	...	...	...
10/20/58	...	...	...	...	...
10/21/58	...	...	...	...	...
10/22/58	...	...	...	...	...
10/23/58	...	...	...	...	...
10/24/58	...	...	...	...	...
10/25/58	...	...	...	...	...
10/26/58	...	...	...	...	...
10/27/58	...	...	...	...	...
10/28/58	...	...	...	...	...
10/29/58	...	...	...	...	...
10/30/58	...	...	...	...	...
10/31/58	...	...	...	...	...

[illegible]

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[illegible]

FORMATION RECORD

FORMATION

FORMATION RECORD—Continued