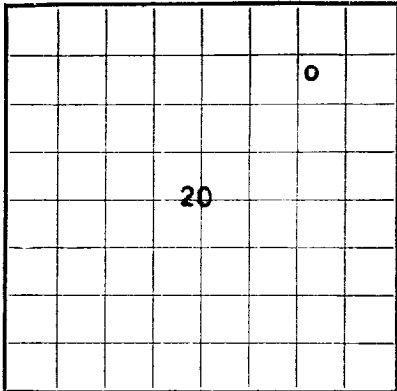


U. S. LAND OFFICE New Mexico
SERIAL NUMBER 03522
LEASE OR PERMIT TO PROSPECT _____

LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company Southern Union Gas Company Address 1001 Burt Building, Dallas, Texas
Lessor or Tract Holloway Field West Kutz State New Mexico
Well No. 1 Sec. 20 T. 27-N R. 11-W Meridian N.M.P.M. County San Juan
Location 990' ft. XXX of N Line and 990' ft. XXX of E Line of Sec. 20 Elevation 6238'
(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. Original Signed By

Date November 4, 1954 Signed A. M. WIEDERKEHR Title Manager Exploration Dept.
A. M. Wiederkehr

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

Commenced drilling NE 3-17-, 1954 Finished drilling 3-21-, 1954
P & A 4-5-54

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from DRY HOLE 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 _____ 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>9-5/8"</u>	<u>36#</u>		<u>HLO</u>	<u>126'</u>					<u>Surface</u>
<u>5-1/2"</u>	<u>15.5#</u>		<u>HUGS</u>	<u>1904'</u>					<u>Production</u>
HISTORY 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
<u>9-5/8"</u>	<u>132'</u>	<u>100</u>	<u>Halliburton</u>		
<u>5-1/2"</u>	<u>1900'</u>	<u>100</u>	<u>"</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>2012'</u>	
<u>Shot w/250 quarts O.W.E. from 2012'-1907'. Cleaned out to TD. Well Dry.</u>						

TOOLS USED

Rotary tools were used from 0 feet to 2012' feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

_____, 19____ 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 NONE Gallons gasoline per 1,000 cu. ft. of gas _____

Rock pressure, lbs. per sq. in. NONE

EMPLOYEES

_____, Driller _____, Driller
_____, Driller _____, Driller

Ben BannerConley Cox

FORMATION RECORD

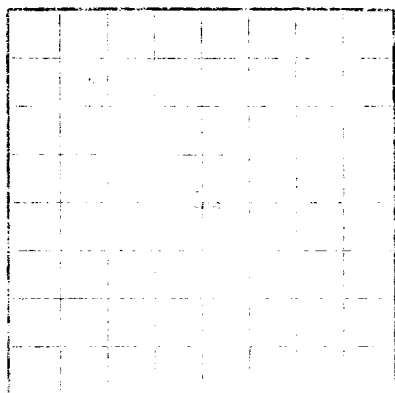
FROM—	TO—	TOTAL FEET	FORMATION
<u>0</u>	<u>605</u>	<u>605</u>	<u>sand and shale</u>
<u>605</u>	<u>900</u>	<u>295</u>	<u>Alamo sand and shale</u>
<u>900</u>	<u>2012 TD</u>	<u>1112</u>	<u>sand and shale</u>
Pictured Cliffs - 1898'			

CASE OR PERMIT NO. PROPOSED
 SERIAL NUMBER
 U.S. LAND OFFICE

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Y CORREL WITH CORRECTLY



The information given hereon 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 _____
Official signed by _____

This record was filed _____
at _____
County of _____ State of _____

Treasurer or Trustee
of _____
County of _____ State of _____

Company, _____

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

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OIL OR GAS SANDS OR ZONES

and also

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. 8 from
No. 7 from
No. 6 from
No. 5 from
No. 4 from
No. 3 from
No. 2 from
No. 1 from

CASING RECORD

State	Weighted per foot	Thousands per foot	State	Amount	Kind of stone	Carried and pulled from	Perforated To	Per foot
Alabama	1.00	1.00	Alabama	1.00	Kind of stone	Carried and pulled from	Perforated	Per foot
Alaska	1.00	1.00	Alaska	1.00	Kind of stone	Carried and pulled from	Perforated	Per foot
Arizona	1.00	1.00	Arizona	1.00	Kind of stone	Carried and pulled from	Perforated	Per foot
Arkansas	1.00	1.00	Arkansas	1.00	Kind of stone	Carried and pulled from	Perforated	Per foot
California	1.00	1.00	California	1.00	Kind of stone	Carried and pulled from	Perforated	Per foot
Colorado	1.00	1.00	Colorado	1.00	Kind of stone	Carried and pulled from	Perforated	Per foot
Connecticut	1.00	1.00	Connecticut	1.00	Kind of stone	Carried and pulled from	Perforated	Per foot
Delaware	1.00	1.00	Delaware	1.00	Kind of stone	Carried and pulled from	Perforated	Per foot
District of Columbia	1.00	1.00	District of Columbia	1.00	Kind of stone	Carried and pulled from	Perforated	Per foot
Florida	1.00	1.00	Florida	1.00	Kind of stone	Carried and pulled from	Perforated	Per foot
Georgia	1.00	1.00	Georgia	1.00	Kind of stone	Carried and pulled from	Perforated	Per foot
Hawaii	1.00	1.00	Hawaii	1.00	Kind of stone	Carried and pulled from	Perforated	Per foot
Idaho	1.00	1.00	Idaho	1.00	Kind of stone	Carried and pulled from	Perforated	Per foot
Illinois	1.00	1.00	Illinois	1.00	Kind of stone	Carried and pulled from	Perforated	Per foot
Indiana	1.00	1.00	Indiana	1.00	Kind of stone	Carried and pulled from	Perforated	Per foot
Iowa	1.00	1.00	Iowa	1.00	Kind of stone	Carried and pulled from	Perforated	Per foot
Kansas	1.00	1.00	Kansas	1.00	Kind of stone	Carried and pulled from	Perforated	Per foot
Kentucky	1.00	1.00	Kentucky	1.00	Kind of stone	Carried and pulled from	Perforated	Per foot
Louisiana	1.00	1.00	Louisiana	1.00	Kind of stone	Carried and pulled from	Perforated	Per foot
Maine	1.00	1.00	Maine	1.00	Kind of stone	Carried and pulled from	Perforated	Per foot
Maryland	1.00	1.00	Maryland	1.00	Kind of stone	Carried and pulled from	Perforated	Per foot
Massachusetts	1.00	1.00	Massachusetts	1.00	Kind of stone	Carried and pulled from	Perforated	Per foot
Michigan	1.00	1.00	Michigan	1.00	Kind of stone	Carried and pulled from	Perforated	Per foot
Minnesota	1.00	1.00	Minnesota	1.00	Kind of stone	Carried and pulled from	Perforated	Per foot
Mississippi	1.00	1.00	Mississippi	1.00	Kind of stone	Carried and pulled from	Perforated	Per foot
Missouri	1.00	1.00	Missouri	1.00	Kind of stone	Carried and pulled from	Perforated	Per foot
Montana	1.00	1.00	Montana	1.00	Kind of stone	Carried and pulled from	Perforated	Per foot
Nebraska	1.00	1.00	Nebraska	1.00	Kind of stone	Carried and pulled from	Perforated	Per foot
Nevada	1.00	1.00	Nevada	1.00	Kind of stone	Carried and pulled from	Perforated	Per foot
New Hampshire	1.00	1.00	New Hampshire	1.00	Kind of stone	Carried and pulled from	Perforated	Per foot
New Jersey	1.00	1.00	New Jersey	1.00	Kind of stone	Carried and pulled from	Perforated	Per foot
New Mexico	1.00	1.00	New Mexico	1.00	Kind of stone	Carried and pulled from	Perforated	Per foot
New York	1.00	1.00	New York	1.00	Kind of stone	Carried and pulled from	Perforated	Per foot
North Carolina	1.00	1.00	North Carolina	1.00	Kind of stone	Carried and pulled from	Perforated	Per foot
North Dakota	1.00	1.00	North Dakota	1.00	Kind of stone	Carried and pulled from	Perforated	Per foot
Oklahoma	1.00	1.00	Oklahoma	1.00	Kind of stone	Carried and pulled from	Perforated	Per foot
Oregon	1.00	1.00	Oregon	1.00	Kind of stone	Carried and pulled from	Perforated	Per foot
Pennsylvania	1.00	1.00	Pennsylvania	1.00	Kind of stone	Carried and pulled from	Perforated	Per foot
Rhode Island	1.00	1.00	Rhode Island	1.00	Kind of stone	Carried and pulled from	Perforated	Per foot
South Carolina	1.00	1.00	South Carolina	1.00	Kind of stone	Carried and pulled from	Perforated	Per foot
South Dakota	1.00	1.00	South Dakota	1.00	Kind of stone	Carried and pulled from	Perforated	Per foot
Tennessee	1.00	1.00	Tennessee	1.00	Kind of stone	Carried and pulled from	Perforated	Per foot
Texas	1.00	1.00	Texas	1.00	Kind of stone	Carried and pulled from	Perforated	Per foot
Vermont	1.00	1.00	Vermont	1.00	Kind of stone	Carried and pulled from	Perforated	Per foot
Virginia	1.00	1.00	Virginia	1.00	Kind of stone	Carried and pulled from	Perforated	Per foot

It is of the greatest importance to have a complete history of the well. Please state in detail the date of reworking, 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
			FORMATION
			FORMATION RECORD
			EMPLOYEES
			Gallons produced per 1,000 cu ft of gas
			(Gravity, °Re)
			% water; and % solution
			The production for the first 24 hours was
			feet to producing
			DATES
			TOOLS USED
			SHOOTING RECORD
			RIGS AND ADAPTERS
			MILDING AND REMOVING RECORD

FORMATION RECORD—Continued