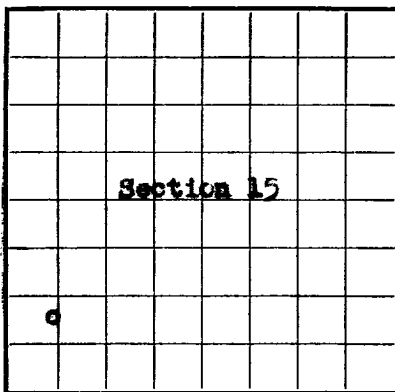


U. S. LAND OFFICE Santa FeSERIAL NUMBER SW 078384

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 Bldg., Dallas Texas
Lessor or Tract Newson Field Ballard P. C. State New Mexico
Well No. 4-B Sec. 15 T. 26N R. 8W Meridian N.M.P.M. County San Juan
Location 1170 ft. N. of S. Line and 770 ft. E. of W. Line of Section 15 Elevation 6619
(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 A. M. Wiederkehr
Title Manager, Exploration Dept.Date December 19, 1955

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

Commenced drilling 10-21, 1955 Finished drilling 10-31-55, 19

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 2442 to 2485 (G) No. 4, from _____
No. 2, from _____ to _____ No. 5, from _____
No. 3, from _____ to _____ No. 6, from _____

IMPORTANT WATER SANDS

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

CASING RECORD

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated		Purpose
							From—	To—	
<u>3-5/8</u>	<u>40#</u>	<u>8 RD</u>	<u>J-55</u>	<u>87.05</u>					<u>Surface Production</u>
<u>5-1/2</u>	<u>70#</u>	<u>8 RD</u>	<u>J-55</u>	<u>54.65</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>3-5/8</u>	<u>88.55 GL</u>	<u>70</u>	<u>Ballburton</u>		
<u>5-1/2</u>	<u>2442 RB</u>	<u>100</u>	<u>Ballburton</u>		
<u>1"</u>	<u>2465</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>Sand free 2442 feet to 2485 feet with 21,800 gals. water and 25,000# sand.</u>						

TOOLS USED

Rotary tools were used from -0- feet to 2500 feet, and from _____ feet to _____ feet
Cable tools were used from Cleaning bit to _____ feet, and from _____ feet to _____ feet

DATES

Put to producing _____, 1955

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 2354 MCF Gallons gasoline per 1,000 cu. ft. of gas _____Rock pressure, lbs. per sq. in. 621#/7 Days

EMPLOYEES

Benson-Martin-Greer Drilling Corp Driller Cooley Cox, Drilling Contractor Driller
F. A. Ahrens, Driller G. S. Johnson, Driller
J. A. Yates E. A. Templeman

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
<u>-0-</u>	<u>2189</u>	<u>2189</u>	<u>Sand and shale</u>
<u>2189</u>	<u>2415</u>	<u>226</u>	<u>Shale</u>
<u>2415</u>	<u>2500</u>	<u>85</u>	<u>Shale and coal</u>

Pictured C iff# 2372

FROM—

TO—

TOTAL FEET

(OVER)

FORMATION

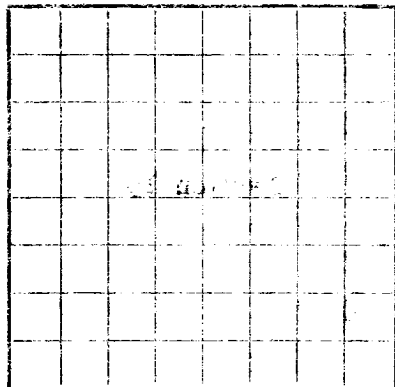
16-48094-3

FORMATION RECORD—Continued

U.S. LAND OFFICE
BUREAU OF LAND MANAGEMENT
DEPARTMENT OF THE INTERIOR
WASHINGTON, D.C.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL



LOCATE WELL CORRECTLY

Company _____
Lessor or Trust _____
Well No. _____
Location _____ of _____ line and _____
The information given herewith is a complete and correct record of the well and all work done thereon
as far as can be determined from all available records
Signed _____
Title _____
Date _____

The summary on this page is for the condition of the well at above date.
Commenced drilling _____
Finished drilling _____

OIL OR GAS SANDS OR ZONES

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

IMPORTANT WATER SANDS

No. 1, from _____ to _____
No. 2, from _____ to _____

CASING RECORD

Size casing per foot	Weight per foot	Threads per inch	Depth	Remarks	Kind of shoe	Cut and pulled from	Perforated	Purpose
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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 "struck" 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

MUDDING AND CEMENTING RECORD

Date	Water used	Number sacks of cement	Method used	Kind of mud	Amount of mud used
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LOGS AND ADAPTERS

Heavy plug—lateral _____
Adapters—lateral _____
Length _____
Depth _____

SHOOTING RECORD

Date	Shell used	Explosive used	Quantity	Depth shot	Depth cleaned out
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TOOLS USED

Rotary tools were used from _____ foot to _____ foot and from _____ foot to _____ foot.
Cable tools were used from _____ foot to _____ foot and from _____ foot to _____ foot.

DATES

The production for the first 24 hours was _____ barrels of fluid of which _____% was oil; _____% was gas.
It gas well out at per 24 hours _____.
Rock pressure, lbs. per sq. in. _____.
emulsion; _____% water; and _____% sediment.

EMPLOYEES

Driller _____
Driller _____
Driller _____

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
