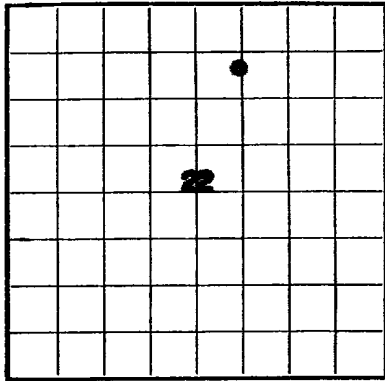


U. S. LAND OFFICE Santa Fe
SERIAL NUMBER ST 677865
LEASE OR PERMIT TO PROSPECT _____



LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company Southern Union Gas Company Address 1001 Bart Bldg., Dallas, Texas
Lessor or Tract Albright Field Artes P. C. State New Mexico
Well No. 4 Sec. 22 T. 29N R. 19W Meridian N.M.P.M. County San Juan
Location 1190 ft. N of E Line and 1450 ft. E of E Line of Section 22 Elevation 5597
(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 L. S. Macmillan
Title Exploration Engineer

Date October 4, 1957

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

Commenced drilling 8-21-, 19 57 Finished drilling 8-26-, 19 57

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 1938 to 2008 (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>9-5/8</u>	<u>32.304</u>	<u>8RD</u>	<u>K-40</u>	<u>135'</u>					<u>Surface Production</u>
<u>5-1/2</u>	<u>15.54</u>	<u>8RD</u>	<u>K-40</u>	<u>2059'</u>					

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>125' KB</u>	<u>100</u>	<u>Halliburton</u>		
<u>5-1/2</u>	<u>2049.76' KB</u>	<u>100</u>	<u>Halliburton</u>		
<u>1"</u>	<u>1958</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. 1938-2008 - fraced with 100,000 gals. water and 100,000 sand.</u>						

TOOLS USED

Rotary tools were used from 0 feet to 2050 feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

9-1-, 19 57 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 9468 MCF Gallons gasoline per 1,000 cu. ft. of gas _____

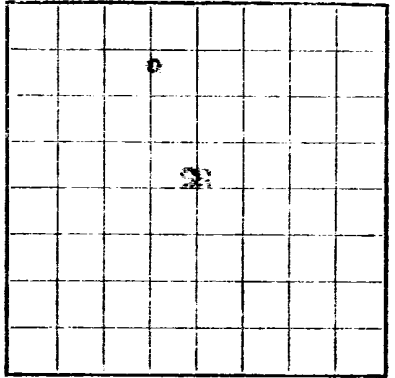


FOLD MARK

U.S. LAND OFFICE
SERIAL NUMBER
LEASER OR PERMIT TO PROSPECT

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL



LOCATE WELL CORRECTLY

Company _____
Lessor or Tract _____
Well No. _____
Location _____
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 _____
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

(Denote gas by G)

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

Casing size	Weight per foot	Threads per inch	Make	Amount	Kind of steel	Cut and pulled from	Perforated	Purpose
5 1/8	25.30	8	API	131				

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, position, and number of charges. If pipes or bridges were put in to test, state kind of material used, position, and results of pumping or bailing.

HISTORY OF OIL OR GAS WELL

Casing size	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
5 1/8	131	100			

PLUGS AND ADAPTERS

Heavy plug—Material _____
Depth _____
Size _____
Depth set _____

SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out
4 1/2	100	100	100	100	100	100

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

The production for the first 24 hours was _____ barrels of fluid of which _____% was oil; _____ Put to producing _____
If gas well, cu. ft. per 24 hours _____
Emulsion; _____ water; and _____ sediment.
Gravity, _____
Gallons gasoline per 1,000 cu. ft. of gas _____

