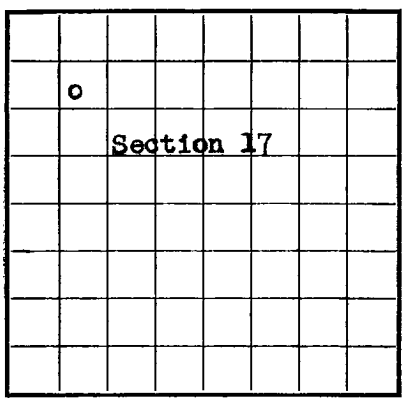
Form 9-330

Budget Bureau No. 42-R-355.3.
Approval expires 12-31-55.

U. S. LAND OFFICE Santa Fe
SERIAL NUMBER SF 078433
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 Newsom Field Ballard Pictured Cliffs State New Mexico

Well No. 11 Sec. 17 T. 26N R. 8W Meridian N.M.P.M. County San Juan

Location 940 ft. {N./S.} of N Line and 990 ft. {E./W.} of W Line of Section 17 Elevation 6300
(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

Date November 21, 1955 Title Manager, Exploration Dept.

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

Commenced drilling 9-5-, 19 55 Finished drilling 9-17-, 19 55

OIL OR GAS SANDS OR ZONES

(*Denote gas by G*)

No. 1, from 2012 to 2102 (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 From—	Perforated To—	Purpose
9-5/8	40#	8RD	J-55	89.09					Surface Prod.
5-1/2	15.5#	8RD	J-55	2102					

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
9-5/8	90.50 GL	80	Halliburton		
5-1/2	2012 RKB	100	Halliburton		

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
Sand oil fraced 2012 feet to 2102 feet with 13,500 gals. oil and 16,000# sand.						

TOOLS USED

Rotary tools were used from -0- feet to 2102 feet, and from ____ feet to ____ feet

Cable tools were used from Cleaning Out feet to ____ feet, and from ____ feet to ____ feet

DATES

10-3-, 19 55 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 3782 MCF Gallons gasoline per 1,000 cu. ft. of gas ____

Rock pressure, lbs. per sq. in. 669#/68 Days

EMPLOYEES

Benson-Montin-Greer Drilling Corp., Driller J. R. Greene, Driller

V. V. Kilgore, Driller Elmer Sanders, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
-0-	90	90	Sandstone
90	90.50	.50	Shale
90.50	1440	1349.50	Sand & shale
1440	1650	110	Shale
1650	2102	452	Sand, shale & coal

PICTURED CLIFFS 2005'

[OVER]

FORMATION RECORD—Continued

FROM—	TO—	TOTAL FEET	FORMATION

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION

CASING RECORD

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated From	To	Purpose

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud 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

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; ..... % was emulsion; ..... % was water; and ..... % was 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. .....

Dillon ..... Driller ..... Dillon ..... Driller

EMPLOYEES

Dillon ..... Driller ..... Dillon ..... Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION

HISTORY OF OIL OR GAS WELL

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, 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.

CASING RECORD

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated From	To	Purpose

IMPORTANT WATER SANDS

No. 1, from ..... to ..... No. 4, from ..... to .....

No. 2, from ..... to ..... No. 5, from ..... to .....

No. 3, from ..... to ..... No. 6, from ..... to .....

OIL OR GAS SANDS OR ZONES

No. 1, from ..... to ..... No. 4, from ..... to .....

No. 2, from ..... to ..... No. 5, from ..... to .....

No. 3, from ..... to ..... No. 6, from ..... to .....

LOG OF OIL OR GAS WELL

DEPARTMENT OF THE INTERIOR
UNITED STATES
GEOLOGICAL SURVEY

RECEIVED
NOV 25 1929
U. S. GEOLOGICAL SURVEY
ALBUQUERQUE, NEW MEXICO

Company ..... Address .....

Lessor or Tract ..... Field ..... State .....

Well No. ..... Sec. ..... T. ..... N., R. ..... E. ..... Meridian ..... County .....

Location ..... ft. {N.} of ..... Line and ..... ft. {W.} of ..... Line of ..... Elevation .....

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.

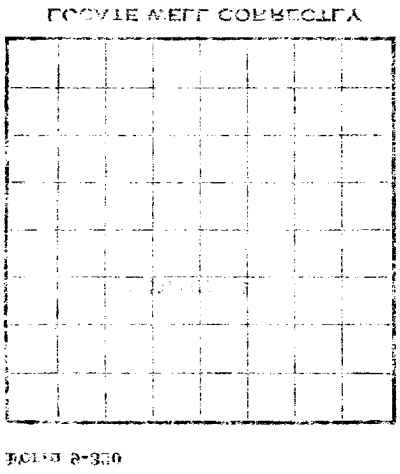
Signed .....

Date ..... Title .....

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

Commenced drilling ..... 19.... Finished drilling ..... 19....

LOCATE WELL CORRECTLY



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