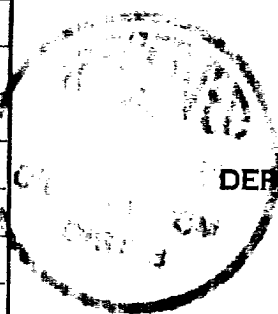
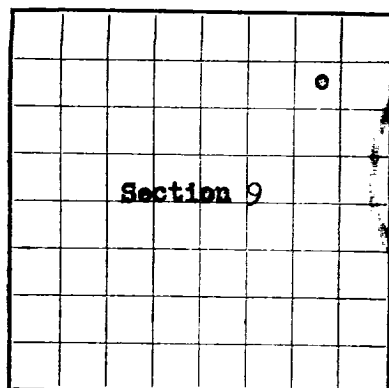


U. S. LAND OFFICE **Santa Fe**

SERIAL NUMBER **ST 079609**

LEASE OR PERMIT TO PROSPECT



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company Southern Union Gas Company Address 1001 Burt Bldg., DALLAS, Texas
Lessor or Tract McCroden Field Wildcat State New Mexico
Well No. 1-A Sec. 9 T. 25N R. 3W Meridian N.M.P.M. County Rio Arriba
Location 945 ft. N. of N Line and 945 ft. E. of E Line of Section 9 Elevation 7174

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. H. Wiederkehr

Date August 22, 1956

Title **Mgr., Exploration Dept.**

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

Commenced drilling ----- 4-30-1956 Finished drilling ----- 5-8-1956

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 3675 to 3713 (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

[illegible]

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
9-5/8	202 RIC	150	Halliburton		
5-1/2	3758 RIC	150	Halliburton		
2-3/8	3672				

PLUGS AND ADAPTERS

Heaving plug—Material _____ Length _____ Depth set _____

[illegible]

SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out
Perforated 3675' to 3713' - Sand water fraced perforations with 40,000 gals. water and 20,000# sand.						

TOOLS USED

Rotary tools were used from 0 feet to 3760 feet, and from _____ feet to _____ feet.

Cable tools were used from Cleaning out & fracing feet, and from _____ feet to _____ feet.

DATES

7-6-1956 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 8872 ~~net~~ Gallons gasoline per 1,000 cu. ft. of gas _____

Rock pressure, lbs. per sq. in. 1038 ~~72 hrs.~~

EMPLOYEES

~~Fleeger-Riley Drilling Company~~ Driller ~~McKinney Drilling Company~~, Driller

H. G. Anderson, Driller Ray Thompson, Driller

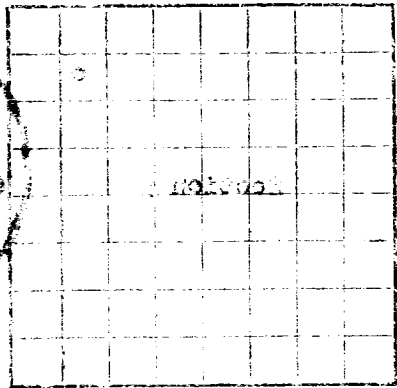
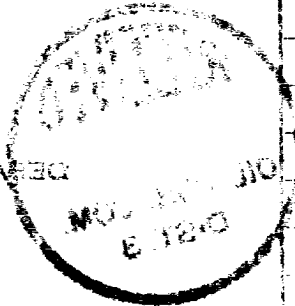
Fred Day **FORMATION RECORD** **Bill Newsom**

FROM—	TO—	TOTAL FEET	FORMATION
-0-	208	208	Sand
208	3636	3428	Sand & shale
3636	3760	124	Sand, coal & shale
	Pictured Cliffs 3670'		

Pictured Cliffs 3670'

LOG OF OIL OR GAS WELL

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY



LOCATE WELL CORRECTLY

Company _____
Address _____
Field _____
State _____
County _____
Well No. _____
Location _____
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 _____
Date _____

The summary on this page is for the condition of the well at above date.
Commenced drilling _____
Finished drilling _____
19__

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

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, 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. (Denote gas by G)

HISTORY OF OIL OR GAS WELL

MUDGING AND CEMENTING RECORD			
Time	Water	Material	Remarks
1-1/2	500	Portland cement	Plugged
2-1/2	500	Portland cement	Plugged
3-1/2	500	Portland cement	Plugged
PLUGS AND ADAPTERS			
Time	Water	Material	Remarks
1-1/2	500	Portland cement	Plugged
2-1/2	500	Portland cement	Plugged
SHOOTING RECORD			
Time	Water	Material	Remarks
1-1/2	500	Portland cement	Plugged
2-1/2	500	Portland cement	Plugged
TOOLS USED			
Time	Water	Material	Remarks
1-1/2	500	Portland cement	Plugged
2-1/2	500	Portland cement	Plugged
DATES			
Time	Water	Material	Remarks
1-1/2	500	Portland cement	Plugged
2-1/2	500	Portland cement	Plugged
EMPLOYEES			
Time	Water	Material	Remarks
1-1/2	500	Portland cement	Plugged
2-1/2	500	Portland cement	Plugged
FORMATION RECORD			
Time	Water	Material	Remarks
1-1/2	500	Portland cement	Plugged
2-1/2	500	Portland cement	Plugged