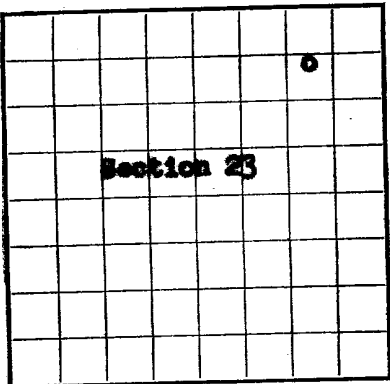


U. S. LAND OFFICE **Santa Fe**
S. F. 078305

SERIAL NUMBER

LEASE OR PERMIT TO PROSPECT

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY



LOCATE WELL CORRECTLY

Company **Southern Union Gas Company** Address **1001 Bart Building, Dallas 1, Texas**
Lessor or Tract **Seysour** Field **Blanco** State **New Mexico**
Well No. **4** Sec. **23** T. **31N** R. **9W** Meridian **N.M.P.M.** County **San Juan**
Location **990** ft. **N.** of **N.** Line and **890** ft. **E.** of **E.** Line of **Section 23** Elevation **6436**
(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

Paul J. Clote

Title

Petroleum Engineer

Date **June 29, 1955**

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

Commenced drilling **July 2**, 19**53** Finished drilling **July 28**, 19**53**
Re-entered **6/9/54** **Plugged & Abandoned - 6/9/54**

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from **None** 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—	
9 5/8"	32.304		J-55	500'					surface production
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
9 5/8"	504' RT	300 sacks	Halliburton		
7"	5026' RT	225 sacks 3/4 weight	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
Plugged & Abandoned - Note attached Well History						

TOOLS USED

Rotary tools were used from **0** feet to **5094** feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

Plugged & Abandoned - June 9, 1954

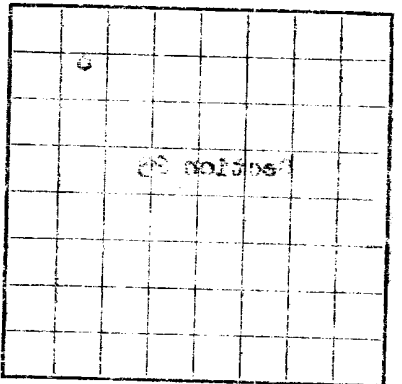
Put to producing _____, 19____

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 _____

Gallons gasoline per 1,000 cu. ft. of gas _____



LOCATE WELL CORRECTLY

LOG OF OIL OR GAS WELL

GEOLOGICAL SURVEY

DEPARTMENT OF THE INTERIOR

UNITED STATES

LEASE OR PERMIT TO PROSPECT

SERIAL NUMBER

U. S. LAND OFFICE

DATE

Approval expires 12-31-33

Budget Bureau No. 42-10-3023

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.
Signed _____
Title _____
Date _____

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

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	Weight per foot	Thickness per inch	Make	Amount	Kind of steel	Cut and pulled from	Perforated	Purpose

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 balling.

MUDDING AND CEMENTING RECORD

Casing	Weight per foot	Thickness per inch	Make	Amount	Kind of steel	Cut and pulled from	Perforated	Purpose

PLUGS AND ADAPTERS

Heavy plug—Material _____
Adapters—Material _____

SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleared 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

The production for the first 24 hours was _____ barrels of fluid of which _____ was oil. _____ Gravity, _____ B.S.
It gas well, cu. ft. per 24 hours _____
_____ water; and _____ sediment.
Gallons gasoline per 1,000 cu. ft. of gas _____

WELL HISTORY

SOUTHERN UNION GAS COMPANY - SKYMOOR NO. 4

July 28, 1953 - Tubing stuck in hole TD 5094. Unscrewed tubing at 4763 feet leaving four joints of tubing, three 3 1/2" Drill Collars and four 4 3/4" Drill Collars in hole. 7" OD Casing split from 4760 feet to 4770 feet.

August 29, 1953 - Set Halliburton Packer at 4720 feet, squeezed with 525 sacks cement at 4770 feet - top of cement at 4685'. Set Whipstock at 4661' and cut casing to 4663'. Twisted off leaving one mill and 6" sub in hole. Set Whipstock at 4638' - unable to cut window. Cut window 4585' to 4600' - set Whipstock at 4590 feet. Drilled outside casing to 4782' - twisted off leaving 6 1/4" bit, and sub and knuckle joint in hole - unable to recover fish. Set Bridge Plug at 4095 feet. Perforated casing with 4 shots at 3600'. Set Packer at 3562' - cemented with 250 sacks of cement at 3600' - squeezed with 1800# pressure. Top of cement behind pipe at 3330 feet.

Temporarily Abandoned - September 28, 1953.



RE-ENTERED - JUNE 3, 1954

June 4, 1954 - Shot 4 bullets at 3300 feet. Attempted to break down formation with 2000# but failed.

Shot hole from 3230 - 3275 feet - 4 shots per foot jet shots at intervals.

Perforated with 4 shots per foot 3165 - 3185 feet.

June 5, 1954 DST #1 - (3232-3275) 43 feet. Recovered 468 feet muddy water. Hydrostatic pressure 1380#. Minimum flow pressure 60#. Maximum flow pressure 230#. 30 minute shut in Bottom hole pressure 1135#. Tool open 3 hrs. - gas to surface 1 hr. 55 min. - no increase or decrease of blow during test.

Set retainer at 3195 feet.

June 6, 1954 DST #2 - (3165-3185) Mis Run

Set packer at 3157 feet.

DST #3 - (3165-3185) Tool open 2 3/4 hours 1/2" choke. Had fair blow gas to surface 26 min. no increase - recovered 600 feet water.

June 9, 1954 Run a 25 sack plug - Bottom 3135 - Top 2985 feet. Top of perforation 3085 feet.

Plugged & Abandoned

