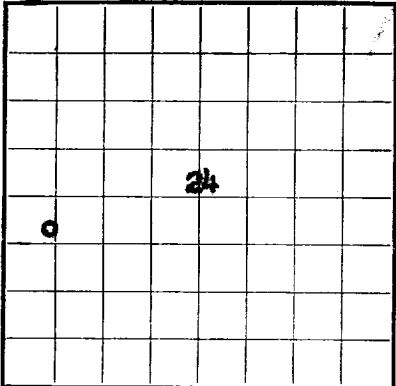


U. S. LAND OFFICE **Ute Mountain Tribal**
SERIAL NUMBER **Contract**
14-20-60-123
LEASE OR PERMIT TO PROSPECT



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 Building, Dallas, Texas**
Lessor or Tract **Ute Indian** Field **Verde Gallup** State **New Mexico**
Well No. **4-24** Sec. **24** T. **31N** R. **15W** Meridian **N.M.P.M.** County **San Juan**
Location **1980** ft. **N.** of **3** Line and **660** ft. **E.** of **W** Line of **Section 24** Elevation **5577**
(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. R. Munnink** Title **Exploration Engineer**
Date **May 23, 1958**

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

Commenced drilling **3-30-** 19**58** Finished drilling **5-11-** 19**58**

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from **2545** to **2582 (0)** 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	32.37	8FD	H-40	99.15'					Surface Production
5-1/2	15.54	8FD	J-55	2555'					

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
9-5/8	99'	70	Halliburton		
5-1/2	2545' to 2577'	40	Halliburton		
2-3/8	2577'				

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
	None					

TOOLS USED

Rotary tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet
Cable tools were used from **-0-** feet to **2580** feet, and from _____ feet to _____ feet

DATES

5-20- 19**58** Put to producing _____, 19____

The production for the first 24 hours was **Pumped 96** barrels of fluid of which **100** % was oil, **17** % was gas, **stroke per min.**
36" stroke & 1 1/2" pump. Average swab test 26 BPH based on 7 hr. test
emulsion; _____ % water; and _____ % 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. _____

EMPLOYEES

Benson-Martin-Greer Drilling Corp. Driller **E. H. Washburn**
Rufus Dunlap Driller **Bill Hall**

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0-	99'	99	Sand
35	135	100	Surface shale
99	245	146	Shale
135	270	135	Gray sandy shale
245	270	25	Hard sand
270	365	95	Sand
365	480	115	Sandy shale
480	520	40	Shale
520	580	60	Gray shale
580	620	40	Black shale
620	660	40	Shale
660	715	55	Gray shale
715	775	60	Sandy shale
775	810	35	Black shale
810	822	12	Sand
822	825	3	Gray shale
825	835	10	Shale
835	855	20	Brown shale
855	870	15	Shale
870	880	10	Sand
880	890	10	Shale
890	900	10	Gray shale
900	910	10	Shale
910	920	10	Sand
920	935	15	Brown shale
935	955	20	Shale

TOPS: Mancos Pay 2575
(Did not reach Gallup)

