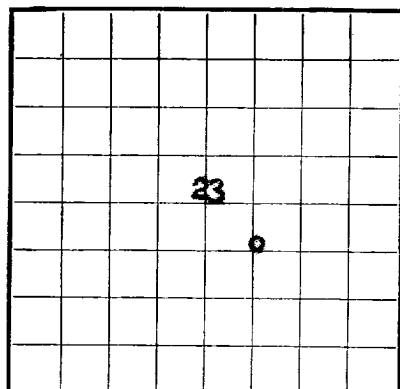


U. S. LAND OFFICE **Ute Indian Mountain**
Tribal Contract
SERIAL NUMBER **14-20-604-123**
LEASE OR PERMIT TO PROSPECT

LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company Southern Union Gas Company Address 1001 Burt Bldg., Dallas, Texas
Lessor or Tract Ute Indian Field Verde Gallup State New Mexico
Well No. 4-23 Sec. 23 T. 31N R. 15W Meridian N.M.P.M. County San Juan
Location 2040 ft. $\left\{ \begin{smallmatrix} N \\ S \end{smallmatrix} \right\}$ of 3 Line and 1835 ft. $\left\{ \begin{smallmatrix} E \\ W \end{smallmatrix} \right\}$ of E Line of Section 23 Elevation 5569
(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. Muenink Title Exploration Engineer
Date April 1, 1958

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

Commenced drilling 1-15-, 19 58 Finished drilling 2-6-, 19 58

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 2477 to 2519 (0) No. 4, from _____ to _____
No. 2, from 2562 to 2663 (0) 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—	
10-3/4	32.75	8RD	H-40	128.77					Surface Production
5-1/2	15.5	8RD	J-55	2569'					

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
10-3/4	133' KB	80	Halliburton		
5-1/2	2561.61' DP	75	Halliburton		
2"	2549'				

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
Perf. 2477-2519, fraced with 740 bbls. oil & 25,000# sand, 100 rubber balls.						
Fraced 2562-2663, open hole, with 710 bbls. oil & 25,000# sand.						

TOOLS USED

Rotary tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

Cable tools were used from 0 feet to 2663 feet, and from _____ feet to _____ feet

DATES

_____ 3-27, 19 58 Put to producing _____, 19 _____The production for the first 24 hours was 65 barrels of fluid of which 100 % was oil; _____ % emulsion; _____ % water; and _____ % sediment. Gravity, °Bé. 42°

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 Bill Wells, Driller
Rufus Dmlap, Driller E. H. Washburn, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0-	25	25	Sand rock
25	88	63	Sandy shale
88	123	35	Water sand
123	133	10	Hard sand
133	150	17	Sandy shale
150	230	80	Sand
230	275	45	Black shale
275	300	25	Sandy shale
300	325	25	Dark shale
325	350	25	Gray shale
350	370	20	Sand
370	397	27	Sandy shale
397	465	68	Dark shale
465	555	90	Gray shale
555	575	20	Sand
575	590	15	Gray shale
590	600	10	Sand
600	705	105	Gray shale
705	720	15	Shale
720	725	5	White sand
725	735	10	Shale
735	775	40	Sands, light, stickie
775	790	15	Sand
790	825	35	Gray shale
825	830	5	Shale
830	850	20	Sand

(OVER)

16-43094-4

