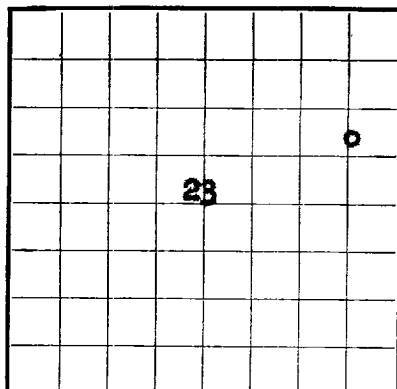




LOCATE WELL CORRECTLY

U. S. LAND OFFICE **Ute Mountain Tribal**
Contract
SERIAL NUMBER **14-25-604-123**
LEASE OR PERMIT TO PROSPECTUNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYRECEIVED
MAR 28 1958

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. **5-23** Sec. **23** T. **31N** R. **15W** Meridian **N.M.P.M.** County **San Juan**
Location **2065** ft. **N.** of **N** Line and **680** ft. **E.** of **E** Line of **Section 23** Elevation **5616**
(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 **March 26, 1958**

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

Commenced drilling **2-13-**, 19**58** Finished drilling **3-15-**, 19**58**

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from **2528** to **2666 (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—	
10-3/4	32.75#	8RD	H-40	128.61'					Surface Prod.
5-1/2	19.5#	8RD	J-55	2768'					

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
10-3/4	134' KB	80	Halliburton		
5-1/2	2762.61' to 2768.55'	90	Halliburton		
2"					

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
Perforated	2528-2666	fraced with	432 bbls oil, 18,000# sand and 78 rubber balls.			
L.R. 35.1 BPM						

TOOLS USED

Rotary tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet
Cable tools were used from **-0-** feet to **2775** feet, and from _____ feet to _____ feet

DATES

3-21-, 19**58** Put to producing _____, 19____

The production for the first 24 hours was **984** barrels of fluid of which **100** % was oil; _____ % emulsion; _____ % water; and _____ % sediment. Gravity, °Bé. **42.0**

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 Dunlap, Driller **E. H. Washburn**, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
-0-	55	55	Sand rock
55	190	135	Sand
190	250	60	Shale
250	280	30	Sand
280	285	5	Shale dark
285	420	135	Shale
420	460	40	Sand
460	515	55	Sandy shale
515	540	25	Sand
540	565	25	Shale
565	610	45	Sandy shale
610	670	60	Shale
670	700	30	Sand
700	710	10	Shale
710	735	25	Sand
735	815	80	Shale
815	820	5	Sand
820	837	17	Shale
837	860	23	Shale
860	865	5	Brown shale
865	885	20	Sand
885	1160	275	Shale
1160	1165	5	Sandy shale
1165	1225	60	Shale
1225	1260	35	Sandy shale
1260	1325	65	Shale



UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

The diagram shows a 2D grid of nodes (small squares) arranged in 10 columns and 10 rows. The grid is bounded by a dashed line on the top and bottom, and solid lines on the left and right. Some nodes are highlighted with larger, shaded squares, indicating specific locations of interest. The grid is used to represent a road network, with nodes representing intersections and edges representing road segments. The highlighted nodes represent the locations of the four vehicles (A, B, C, and D) at the start of the simulation.

0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99

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.

HISTORY OF OIL OR GAS WELL

16-43084-2 U. S. GOVERNMENT PRINTING OFFICE

[illegible]