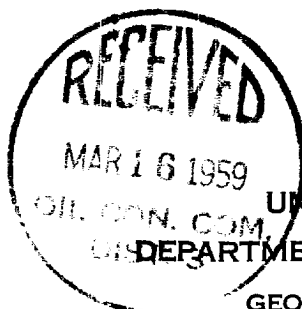
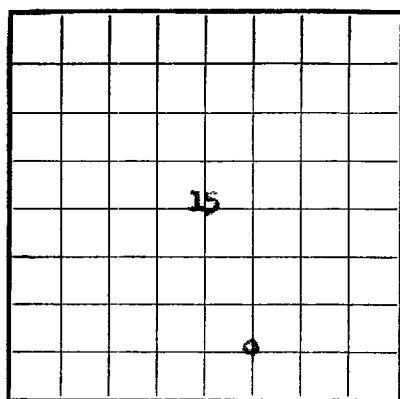




U. S. LAND OFFICE **Ute Mountain Tribal**
 SERIAL NUMBER **Contract No.**
14-20-151-46
 LEASE OR PERMIT TO PROSPECT

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

318 1959

LOG OF OIL OR GAS WELL

Company Southern Union Gas Company Address 1001 Hurt Bldg., Dallas, Texas
 Lessor or Tract Ute Indian Field Verde Gallup State New Mexico
 Well No. 1-15 Sec. 15 T. 31N R. 15W Meridian N.M.P.M. County San Juan
 Location 729 ft. N. of 2 Line and 2004 ft. E. of 2 Line of Section 15 Elevation 5817

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. A. Marmink
Title Exploration Engineer

Date March 10, 1954

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

Commenced drilling 1-17-, 1969 Finished drilling 2-2-, 1969

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 2176 to 2234 (6) 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. 2, from _____ to _____

No. 3, 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
10-3/4	72' 10"	60	Ball Burton		
5-1/2	2360' 10"	120	Ball Burton		
2	2382' 10"				

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
1st Stage - 180 bbls.	Perf. 2200-2304	attempts to frac	well would not frac	total oil use		
2nd Stage - 180 bbls.	Perf. 2078-2234	fractured	5/930	bbls. oil	1,000' ann.	

TOOLS USED

Rotary tools were used from 0 feet to 202 feet, and from _____ feet to _____ feet

Cable tools were used from 202 feet to 247 feet, and from _____ feet to _____ feet

DATES

-----2-24-----, 1950 Put to producing -----, 19-----

The production for the first 24 hours was 10 barrels of fluid of which 100 % was oil; ----- % emulsion; ----- % water; and ----- % sediment.

If gas well, cu. ft. per 24 hours Gallons gasoline per 1,000 cu. ft. of gas

Rock pressure, lbs. per sq. in. -----

EMPLOYEES

_____, Driller
 _____, Driller

FORMATION RECORD

[illegible]

LOG OF OIL OR GAS WELL

U.S. GEOLOGICAL SURVEY
DEPARTMENT OF THE INTERIOR
WASHINGTON, D.C. 20508

1. Name of well: _____

2. Location: _____

3. State: _____

4. County: _____

5. Township: _____

6. Range: _____

7. Section: _____

8. Depth of well: _____

9. Date of completion: _____

10. Name of operator: _____

11. Name of driller: _____

12. Name of owner: _____

13. Name of lessee: _____

14. Name of leaseholder: _____

15. Name of lease agent: _____

16. Name of lease broker: _____

17. Name of lease attorney: _____

18. Name of lease accountant: _____

19. Name of lease engineer: _____

20. Name of lease geologist: _____

21. Name of lease geophysicist: _____

22. Name of lease chemist: _____

23. Name of lease physicist: _____

24. Name of lease biologist: _____

25. Name of lease meteorologist: _____

26. Name of lease astronomer: _____

27. Name of lease geographer: _____

28. Name of lease historian: _____

29. Name of lease linguist: _____

30. Name of lease philosopher: _____

31. Name of lease psychologist: _____

32. Name of lease sociologist: _____

33. Name of lease anthropologist: _____

34. Name of lease archaeologist: _____

35. Name of lease paleontologist: _____

36. Name of lease botanist: _____

37. Name of lease zoologist: _____

38. Name of lease environmentalist: _____

39. Name of lease conservationist: _____

40. Name of lease naturalist: _____

41. Name of lease explorer: _____

42. Name of lease adventurer: _____

43. Name of lease traveler: _____

44. Name of lease wanderer: _____

45. Name of lease nomad: _____

46. Name of lease vagabond: _____

47. Name of lease wanderer: _____

48. Name of lease traveler: _____

49. Name of lease wanderer: _____

50. Name of lease traveler: _____

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.

1. Name of well: _____

2. Location: _____

3. State: _____

4. County: _____

5. Township: _____

6. Range: _____

7. Section: _____

8. Depth of well: _____

9. Date of completion: _____

10. Name of operator: _____

11. Name of driller: _____

12. Name of owner: _____

13. Name of lessee: _____

14. Name of leaseholder: _____

15. Name of lease agent: _____

16. Name of lease broker: _____

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18. Name of lease accountant: _____

19. Name of lease engineer: _____

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21. Name of lease geophysicist: _____

22. Name of lease chemist: _____

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43. Name of lease traveler: _____

44. Name of lease wanderer: _____

45. Name of lease nomad: _____

46. Name of lease vagabond: _____

47. Name of lease wanderer: _____

48. Name of lease traveler: _____

49. Name of lease wanderer: _____

50. Name of lease traveler: _____

HISTORY OF OIL OR GAS WELL			
16-43084-2 U. S. GOVERNMENT PRINTING OFFICE			
FROM			
TO			
TOTAL FEET			
FORMATION			
1. Name of well: _____			
2. Location: _____			
3. State: _____			
4. County: _____			
5. Township: _____			
6. Range: _____			
7. Section: _____			
8. Depth of well: _____			
9. Date of completion: _____			
10. Name of operator: _____			
11. Name of driller: _____			
12. Name of owner: _____			
13. Name of lessee: _____			
14. Name of leaseholder: _____			
15. Name of lease agent: _____			
16. Name of lease broker: _____			
17. Name of lease attorney: _____			
18. Name of lease accountant: _____			
19. Name of lease engineer: _____			
20. Name of lease geologist: _____			
21. Name of lease geophysicist: _____			
22. Name of lease chemist: _____			
23. Name of lease physicist: _____			
24. Name of lease biologist: _____			
25. Name of lease meteorologist: _____			
26. Name of lease astronomer: _____			
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