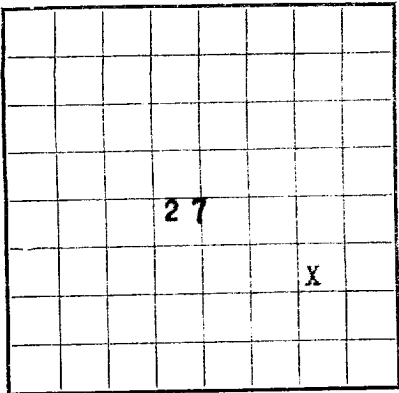


U. S. LAND OFFICE Navajo
SERIAL NUMBER 1-149-7652
LEASE OR PERMIT TO PROSPECT _____



LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

RECEIVED
APR 8 1953
U. S. GEOLOGICAL SURVEY
FARMINGTON, N. M.

LOG OF OIL OR GAS WELL

Company Three States Natural Gas Co. Address Box 67 Farmington, New Mexico
Lessor or Tract Navajo Indian Field Wildcat State New Mexico
Well No. 1 Sec. 27 T. 31N R. 17W Meridian N.M.P.M. County San Juan
Location 1650 ft. S. of S. Line and 990 ft. E. of E. Line of Sec. 27 Elevation 5229'
(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 Will Bellman Title Field Supt.

Date April 8, 1953

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

Commenced drilling August 16, 1953 Finished drilling December 31, 1953

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from _____ 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 1296' to 1480' No. 3, from 1790' to 2030'
No. 2, from 1850' to 1950' No. 4, from 2220' to 2310'

CASING RECORD

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated		Purpose
							From—	To—	
<u>13 3/8"</u>	<u>48#</u>	<u>8Rd.</u>	<u>J&L</u>	<u>86.45'</u>	<u>Larkin</u>				<u>Surface</u>
<u>9 5/8"</u>	<u>35#</u>	<u>8Rd.</u>	<u>J&L</u>	<u>1609.29'</u>	<u>Ball</u>				<u>Interior</u>
<u>7"</u>	<u>23#</u>	<u>8Rd.</u>	<u>J&L</u>	<u>1008.90'</u>	<u>Ball</u>				<u>Interior</u>

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
<u>13 3/8"</u>	<u>96'</u>	<u>90 Reg. Ideal</u>	<u>Howco</u>	<u>9.5</u>	
<u>9 5/8"</u>	<u>1600'</u>	<u>350 Reg. Ideal</u>	<u>Howco</u>	<u>10.2</u>	
<u>7"</u>	<u>7400'</u>	<u>155 Slb. Set</u>	<u>Howco</u>	<u>10.6-11.2</u>	

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

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

_____, 19____ Put to producing P & A Feb 5, 1953
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 _____
Rock pressure, lbs. per sq. in. _____

EMPLOYEES

L. Jackson _____, Driller R. Hetherington _____, Driller
Repond _____, Driller G. Hetherington _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
Surface	671	671	Sandy Shale Tociro 671'
671	740	69	Sand & Shale
740	1192	452	Shale & Sand Greenhorn 1192'
1192	1250	58	Lime & Shale Graneros 1250'
1250	1296	46	Shale Dakota 1296'
1296	1480	184	Sand & Shale Morrisson 1480'
1480	2498	1018	Shale & Sand Todilto 2498'
2498	2520	22	Lime & Shale Entrada 2520'
2520	2630	110	Sand with Shale Strks. Carmel 2630'
2630	2680	50	Shaley Sand & Shale Navajo 2680'
2680	2930	250	Sand with Shale Strks. Kayento 2930'
2930	2997	67	Sand with Shale Strks. Wingate 2997'
2997	3110	113	Sand with Shale Stks. Chinle 3110'
3110	4143	1033	Shale with Sand Strks. Shinarump 4143'
4143	4236	93	Shale & Sand Moenkopi 4236'
4236	4470	234	Shale y sand & Shale Cutler 4470'
4470	5560	1090	Sand, Shale & Thin Lime, Rico 5560'
5560	5918	358	Lime, Sand & Shale, Hermosa 5918'
5918	7734	1816	Lime with Shale Strks. Molas 7734'
7734	7893	159	Shale & Lime Breccia, Mississippian 7893'
7893	8029	136	Lime.
	TD 8029'		

U.S. LAND OFFICE
SERIAL NUMBER

RECEIVED
U. S. GEOLOGICAL SURVEY
WASHINGTON, D. C.
APR 8 1953
DEPARTMENT OF THE INTERIOR
UNITED STATES

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

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 _____

Location N. 1/2 Sec. 17, T. 10N., R. 10E., S. 1E. of W. 1/2 of Sec. 17, T. 10N., R. 10E., S. 1E.
Well No. 17-10N-10E-S1E Section T. 10N., R. 10E., S. 1E. Township T. 10N., R. 10E., S. 1E. Meridian
Lessor or Trust State of Texas State Texas Field Field
Company State of Texas Address State of Texas

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

Commenced drilling _____
Finished drilling _____
Date _____

Title _____

Oil or Gas Sands or Zones

(G) no change;

No. 1, from	to	No. 1, from	to
No. 2, from	to	No. 2, from	to
No. 3, from	to	No. 3, from	to

IMPORTANT WATER SANDS

No. 1, from _____ to _____
No. 2, from _____ to _____
No. 3, from _____ to _____
No. 4, from _____ to _____
No. 5, from _____ to _____
No. 6, from _____ to _____
No. 7, from _____ to _____
No. 8, from _____ to _____
No. 9, from _____ to _____
No. 10, from _____ to _____

CASING RECORD

Purpose	Perforated		Cut and pulled from	Kind of shoe	Amount	Make	Threads per inch	Weight per foot	Size
	To	From							

It is of the greatest importance to have a complete history of the well. Please state in detail the dates of logging, 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 "staked" 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 piers or bridges were put in to test for water, state the kind of material used, position, and results of pumping or pulling.

HISTORY OF OIL OR GAS WELL

MURDERING AND CEMENTING RECORD

CRITICAL ITEM	Where set	Amount of material consumed	Material used	Unit quantity	Amount of material consumed
1. 1000	1000	1000	1000	1000	1000
2. 1000	1000	1000	1000	1000	1000
3. 1000	1000	1000	1000	1000	1000
4. 1000	1000	1000	1000	1000	1000
5. 1000	1000	1000	1000	1000	1000
6. 1000	1000	1000	1000	1000	1000
7. 1000	1000	1000	1000	1000	1000
8. 1000	1000	1000	1000	1000	1000
9. 1000	1000	1000	1000	1000	1000
10. 1000	1000	1000	1000	1000	1000
11. 1000	1000	1000	1000	1000	1000
12. 1000	1000	1000	1000	1000	1000
13. 1000	1000	1000	1000	1000	1000
14. 1000	1000	1000	1000	1000	1000
15. 1000	1000	1000	1000	1000	1000
16. 1000	1000	1000	1000	1000	1000
17. 1000	1000	1000	1000	1000	1000
18. 1000	1000	1000	1000	1000	1000
19. 1000	1000	1000	1000	1000	1000
20. 1000	1000	1000	1000	1000	1000
21. 1000	1000	1000	1000	1000	1000
22. 1000	1000	1000	1000	1000	1000
23. 1000	1000	1000	1000	1000	1000
24. 1000	1000	1000	1000	1000	1000
25. 1000	1000	1000	1000	1000	1000
26. 1000	1000	1000	1000	1000	1000
27. 1000	1000	1000	1000	1000	1000
28. 1000	1000	1000	1000	1000	1000
29. 1000	1000	1000	1000	1000	1000
30. 1000	1000	1000	1000	1000	1000
31. 1000	1000	1000	1000	1000	1000
32. 1000	1000	1000	1000	1000	1000
33. 1000	1000	1000	1000	1000	1000
34. 1000	1000	1000	1000	1000	1000
35. 1000	1000	1000	1000	1000	1000
36. 1000	1000	1000	1000	1000	1000
37. 1000	1000	1000	1000	1000	1000
38. 1000	1000	1000	1000	1000	1000
39. 1000	1000	1000	1000	1000	1000
40. 1000	1000	1000	1000	1000	1000
41. 1000	1000	1000	1000	1000	1000
42. 1000	1000	1000	1000	1000	1000
43. 1000	1000	1000	1000	1000	1000
44. 1000	1000	1000	1000	1000	1000
45. 1000	1000	1000	1000	1000	1000
46. 1000	1000	1000	1000	1000	1000
47. 1000	1000	1000	1000	1000	1000
48. 1000	1000	1000	1000	1000	1000
49. 1000	1000	1000	1000	1000	1000
50. 1000	1000	1000	1000	1000	1000
51. 1000	1000	1000	1000	1000	1000
52. 1000	1000	1000	1000	1000	1000
53. 1000	1000	1000	1000	1000	1000
54. 1000	1000	1000	1000	1000	1000
55. 1000	1000	1000	1000	1000	1000
56. 1000	1000	1000	1000	1000	1000
57. 1000	1000	1000	1000	1000	1000

PAETAGG DVA EDULT

Material	Length	Depth and
Material	Size	

SHOOTING RECORD

[illegible]

TOOLS USED

Cable tools were used from	feet to	feet and from	feet to
Rotary tools were used from	feet to	feet and from	feet to

DATE

10-2-20 But to producing partels of fluid of which Gravity, 28.5 Gallons gasoline per 1,000 cu. ft. of gas	10-2-20 The production for the first 24 hours was emulsion: 100% water and 10% sediment 10-2-20 10-2-20
---	--

EMPHASIS

	Drift	
	Drift	

FORMATION RECORD

FROM-	TO-	TOTAL FEET	FORMATION
0-10	10-20	10	SANDSTONE
10-20	20-30	10	SANDSTONE
20-30	30-40	10	SANDSTONE
30-40	40-50	10	SANDSTONE
40-50	50-60	10	SANDSTONE
50-60	60-70	10	SANDSTONE
60-70	70-80	10	SANDSTONE
70-80	80-90	10	SANDSTONE
80-90	90-100	10	SANDSTONE
90-100	100-110	10	SANDSTONE
100-110	110-120	10	SANDSTONE
110-120	120-130	10	SANDSTONE
120-130	130-140	10	SANDSTONE
130-140	140-150	10	SANDSTONE
140-150	150-160	10	SANDSTONE
150-160	160-170	10	SANDSTONE
160-170	170-180	10	SANDSTONE
170-180	180-190	10	SANDSTONE
180-190	190-200	10	SANDSTONE
190-200	200-210	10	SANDSTONE
200-210	210-220	10	SANDSTONE
210-220	220-230	10	SANDSTONE
220-230	230-240	10	SANDSTONE
230-240	240-250	10	SANDSTONE
240-250	250-260	10	SANDSTONE
250-260	260-270	10	SANDSTONE
260-270	270-280	10	SANDSTONE
270-280	280-290	10	SANDSTONE
280-290	290-300	10	SANDSTONE
290-300	300-310	10	SANDSTONE
300-310	310-320	10	SANDSTONE
310-320	320-330	10	SANDSTONE
320-330	330-340	10	SANDSTONE
330-340	340-350	10	SANDSTONE
340-350	350-360	10	SANDSTONE
350-360	360-370	10	SANDSTONE
360-370	370-380	10	SANDSTONE
370-380	380-390	10	SANDSTONE
380-390	390-400	10	SANDSTONE
390-400	400-410	10	SANDSTONE
400-410	410-420	10	SANDSTONE
410-420	420-430	10	SANDSTONE
420-430	430-440	10	SANDSTONE
430-440	440-450	10	SANDSTONE
440-450	450-460	10	SANDSTONE
450-460	460-470	10	SANDSTONE
460-470	470-480	10	SANDSTONE
470-480	480-490	10	SANDSTONE
480-490	490-500	10	SANDSTONE
490-500	500-510	10	SANDSTONE
500-510	510-520	10	SANDSTONE
510-520	520-530	10	SANDSTONE
520-530	530-540	10	SANDSTONE
530-540	540-550	10	SANDSTONE
540-550	550-560	10	SANDSTONE
550-560	560-570	10	SANDSTONE
560-570	570-580	10	SANDSTONE
570-580	580-590	10	SANDSTONE
580-590	590-600	10	SANDSTONE
590-600	600-610	10	SANDSTONE
600-610	610-620	10	SANDSTONE
610-620	620-630	10	SANDSTONE
620-630	630-640	10	SANDSTONE
630-640	640-650	10	SANDSTONE
640-650	650-660	10	SANDSTONE
650-660	660-670	10	SANDSTONE
660-670	670-680	10	SANDSTONE
670-680	680-690	10	SANDSTONE
680-690	690-700	10	SANDSTONE
690-700	700-710	10	SANDSTONE
700-710	710-720	10	SANDSTONE
710-720	720-730	10	SANDSTONE
720-730	730-740	10	SANDSTONE
730-740	740-750	10	SANDSTONE
740-750	750-760	10	SANDSTONE
750-760	760-770	10	SANDSTONE
760-770	770-780	10	SANDSTONE
770-780	780-790	10	SANDSTONE
780-790	790-800	10	SANDSTONE
790-800	800-810	10	SANDSTONE
800-810	810-820	10	SANDSTONE
810-820	820-830	10	SANDSTONE
820-830	830-840	10	SANDSTONE
830-840	840-850	10	SANDSTONE
840-850	850-860	10	SANDSTONE
850-860	860-870	10	SANDSTONE
860-870	870-880	10	SANDSTONE
870-880	880-890	10	SANDSTONE
880-890	890-900	10	SANDSTONE
890-900	900-910	10	SANDSTONE
900-910	910-920	10	SANDSTONE
910-920	920-930	10	SANDSTONE
920-930	930-940	10	SAND