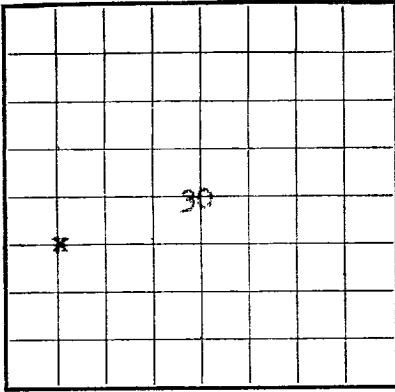


Elizabethtown Tribal

U. S. LAND OFFICE

SERIAL NUMBER 14-20-001-54

LEASE OR PERMIT TO PROSPECT



LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

RECEIVED
JAN 1 1960

LOG OF OIL OR GAS WELL

U. S. GEOLOGICAL SURVEY

Company Three States Natural Gas Co. Address P. O. Box 47, Farmington, New Mexico
Lessor or Tract Tribal Field Verde Gallup State New Mexico
Well No. 9 Sec. 30 T. 34N R. 44W Meridian 100W County San Juan
Location 1650 ft. N. of S. Line and 40 ft. E. of W. Line of Sec. 30 Elevation 5523
(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 Original Signed By John Carothers

Date 2-17-60 Title Assistant District Supt.

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

Commenced drilling 2-2-60, 1960 Finished drilling 2-15-60, 1960

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 4521 to 4550 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 2785 to 2910 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—	
4-1/2	4.7	8	Flush ft.	164.0	164.0	164.0	4573	4573	Liner
2-3/8	4.7	8	JAL	164.0	164.0	164.0	4573	4573	164.0

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
5-5/8	136	125	H&CO		
5-1/2	423	175	D.V.	34.6	54' 1st stage 50 ex. 2nd stage 125 ex.
4-1/2	4423-4573	N/A - 60 slots per ft.	4473-4573		
2-3/8	1175	60 slots per ft.	1175		

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 0 feet to 4573 feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

Put to producing 2-10-60, 1960

The production for the first 24 hours was 74 barrels of fluid of which 100 % was oil; 0 % emulsion; 0 % water; and 0 % sediment. Gravity, °Bé. 27.5

If gas well, cu. ft. per 24 hours 33.49 Gallons gasoline per 1,000 cu. ft. of gas _____

FOLD MARK

LEADS ON PERMIT TO PROSPECT
SERIAL NUMBER
U. S. LAND OFFICE

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

This is a full-page image of a blank sheet of white graph paper. The grid consists of thin, light gray horizontal and vertical lines intersecting at right angles to form small squares across the entire page. There are no margins, text, or other markings on the paper.

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.

Original Signed By John Conners

Location of _____ ft. _____ in _____ of _____ Line and _____ ft. _____ W. _____ of _____ Line of _____ Elevation _____

Well No. _____ Sec. _____ T. _____ R. _____ Meridian _____ County _____

Lessor or Tract _____ Field _____ State _____

Company _____

Address _____

Commenced drilling _____ 19____ Finished drilling _____ 19____
The summary on this page is for the condition of the well at above date.

ALL INFORMATION CONTAINED HEREIN IS UNCLASSIFIED

No. 1 from _____ to _____ No. 4 from _____ to _____
No. 2 from _____ to _____ No. 5 from _____ to _____
No. 3 from _____ to _____ No. 6 from _____ to _____

(Denote box by C)

ANDERSON THATCHER

to from 8.0%

to from 4.0%

CASTING RECORD

[illegible]

HISTORY OF OIL OR GAS WELL

10-43094-2 U. S. GOVERNMENT PRINTING OFFICE

PLUGS AND ADAPTERS				
Size	Material	Weight	Quantity	Remarks
1/2"	Steel	0.15	10	Used for sealing
3/4"	Steel	0.25	5	Used for sealing
1"	Steel	0.40	3	Used for sealing
1 1/2"	Steel	0.75	2	Used for sealing
2"	Steel	1.20	1	Used for sealing
2 1/2"	Steel	1.80	1	Used for sealing
3"	Steel	2.50	1	Used for sealing
3 1/2"	Steel	3.20	1	Used for sealing
4"	Steel	4.00	1	Used for sealing
4 1/2"	Steel	4.80	1	Used for sealing
5"	Steel	5.60	1	Used for sealing
5 1/2"	Steel	6.40	1	Used for sealing
6"	Steel	7.20	1	Used for sealing
6 1/2"	Steel	8.00	1	Used for sealing
7"	Steel	8.80	1	Used for sealing
7 1/2"	Steel	9.60	1	Used for sealing
8"	Steel	10.40	1	Used for sealing
8 1/2"	Steel	11.20	1	Used for sealing
9"	Steel	12.00	1	Used for sealing
9 1/2"	Steel	12.80	1	Used for sealing
10"	Steel	13.60	1	Used for sealing
10 1/2"	Steel	14.40	1	Used for sealing
11"	Steel	15.20	1	Used for sealing
11 1/2"	Steel	16.00	1	Used for sealing
12"	Steel	16.80	1	Used for sealing
12 1/2"	Steel	17.60	1	Used for sealing
13"	Steel	18.40	1	Used for sealing
13 1/2"	Steel	19.20	1	Used for sealing
14"	Steel	20.00	1	Used for sealing
14 1/2"	Steel	20.80	1	Used for sealing
15"	Steel	21.60	1	Used for sealing
15 1/2"	Steel	22.40	1	Used for sealing
16"	Steel	23.20	1	Used for sealing
16 1/2"	Steel	24.00	1	Used for sealing
17"	Steel	24.80	1	Used for sealing
17 1/2"	Steel	25.60	1	Used for sealing
18"	Steel	26.40	1	Used for sealing
18 1/2"	Steel	27.20	1	Used for sealing
19"	Steel	28.00	1	Used for sealing
19 1/2"	Steel	28.80	1	Used for sealing
20"	Steel	29.60	1	Used for sealing
20 1/2"	Steel	30.40	1	Used for sealing
21"	Steel	31.20	1	Used for sealing
21 1/2"	Steel	32.00	1	Used for sealing
22"	Steel	32.80	1	Used for sealing
22 1/2"	Steel	33.60	1	Used for sealing
23"	Steel	34.40	1	Used for sealing
23 1/2"	Steel	35.20	1	Used for sealing
24"	Steel	36.00	1	Used for sealing
24 1/2"	Steel	36.80	1	Used for sealing
25"	Steel	37.60	1	Used for sealing
25 1/2"	Steel	38.40	1	Used for sealing
26"	Steel	39.20	1	Used for sealing
26 1/2"	Steel	40.00	1	Used for sealing
27"	Steel	40.80	1	Used for sealing
27 1/2"	Steel	41.60	1	Used for sealing
28"	Steel	42.40	1	Used for sealing
28 1/2"	Steel	43.20	1	Used for sealing
29"	Steel	44.00	1	Used for sealing
29 1/2"	Steel	44.80	1	Used for sealing
30"	Steel	45.60	1	Used for sealing
30 1/2"	Steel	46.40	1	Used for sealing
31"	Steel	47.20	1	Used for sealing
31 1/2"	Steel	48.00	1	Used for sealing
32"	Steel	48.80	1	Used for sealing
32 1/2"	Steel	49.60	1	Used for sealing
33"	Steel	50.40	1	Used for sealing
33 1/2"	Steel	51.20	1	Used for sealing
34"	Steel	52.00	1	Used for sealing
34 1/2"	Steel	52.80	1	Used for sealing
35"	Steel	53.60	1	Used for sealing
35 1/2"	Steel	54.40	1	Used for sealing
36"	Steel	55.20	1	Used for sealing
36 1/2"	Steel	56.00	1	Used for sealing
37"	Steel	56.80	1	Used for sealing
37 1/2"	Steel	57.60	1	Used for sealing
38"	Steel	58.40	1	Used for sealing
38 1/2"	Steel	59.20	1	Used for sealing
39"	Steel	60.00	1	Used for sealing
39 1/2"	Steel	60.80	1	Used for sealing
40"	Steel	61.60	1	Used for sealing
40 1/2"	Steel	62.40	1	Used for sealing
41"	Steel	63.20	1	Used for sealing
41 1/2"	Steel	64.00	1	Used for sealing
42"	Steel	64.80	1	Used for sealing
42 1/2"	Steel	65.60	1	Used for sealing
43"	Steel	66.40	1	Used for sealing
43 1/2"	Steel	67.20	1	Used for sealing
44"	Steel	68.00	1	Used for sealing
44 1/2"	Steel	68.80	1	Used for sealing
45"	Steel	69.60	1	Used for sealing
45 1/2"	Steel	70.40	1	Used for sealing
46"	Steel	71.20	1	Used for sealing
46 1/2"	Steel	72.00	1	Used for sealing
47"	Steel	72.80	1	Used for sealing
47 1/2"	Steel	73.60	1	Used for sealing
48"	Steel	74.40	1	Used for sealing
48 1/2"	Steel	75.20	1	Used for sealing
49"	Steel	76.00	1	Used for sealing
49 1/2"	Steel	76.80	1	Used for sealing
50"	Steel	77.60	1	Used for sealing
50 1/2"	Steel	78.40	1	Used for sealing
51"	Steel	79.20	1	Used for sealing
51 1/2"	Steel	80.00	1	Used for sealing
52"	Steel	80.80	1	Used for sealing
52 1/2"	Steel	81.60	1	Used for sealing
53"	Steel	82.40	1	Used for sealing
53 1/2"	Steel	83.20	1	Used for sealing
54"	Steel	84.00	1	Used for sealing
54 1/2"	Steel	84.80	1	Used for sealing
55"	Steel	85.60	1	Used for sealing
55 1/2"	Steel	86.40	1	Used for sealing
56"	Steel	87.20	1	Used for sealing
56 1/2"	Steel	88.00	1	Used for sealing
57"	Steel	88.80	1	Used for sealing
57 1/2"	Steel	89.60	1	Used for sealing
58"	Steel	90.40	1	Used for sealing
58 1/2"	Steel	91.20	1	Used for sealing
59"	Steel	92.00	1	Used for sealing
59 1/2"	Steel	92.80	1	Used for sealing
60"	Steel	93.60	1	Used for sealing
60 1/2"	Steel	94.40	1	Used for sealing
61"	Steel	95.20	1	Used for sealing
61 1/2"	Steel	96.00	1	Used for sealing
62"	Steel	96.80	1	Used for sealing
62 1/2"	Steel	97.60	1	Used for sealing
63"	Steel	98.40	1	Used for sealing
63 1/2"	Steel	99.20	1	Used for sealing
64"	Steel	100.00	1	Used for sealing
64 1/2"	Steel	100.80	1	Used for sealing
65"	Steel	101.60	1	Used for sealing
65 1/2"	Steel	102.40	1	Used for sealing
66"	Steel	103.20	1	Used for sealing
66 1/2"	Steel	104.00	1	Used for sealing
67"	Steel	104.80	1	Used for sealing
67 1/2"	Steel	105.60	1	Used for sealing
68"	Steel	106.40	1	Used for sealing
68 1/2"	Steel	107.20	1	Used for sealing
69"	Steel	108.00	1	Used for sealing
69 1/2"	Steel	108.80	1	Used for sealing
70"	Steel	109.60	1	Used for sealing
70 1/2"	Steel	110.40	1	Used for sealing
71"	Steel	111.20	1	Used for sealing
71 1/2"	Steel	112.00	1	Used for sealing
72"	Steel	112.80	1	Used for sealing
72 1/2"	Steel	113.60	1	Used for sealing
73"	Steel	114.40	1	Used for sealing
73 1/2"	Steel	115.20	1	Used for sealing
74"	Steel	116.00	1	Used for sealing
74 1/2"	Steel	116.80	1	Used for sealing
75"	Steel	117.60	1	Used for sealing
75 1/2"	Steel	118.40	1	Used for sealing
76"	Steel	119.20	1	Used for sealing
76 1/2"	Steel	120.00	1	Used for sealing
77"	Steel	120.80	1	Used for sealing
77 1/2"	Steel	121.60	1	Used for sealing
78"	Steel	122.40	1	Used for sealing
78 1/2"	Steel	123.20	1	Used for sealing
79"	Steel	124.00	1	Used for sealing
79 1/2"	Steel	124.80	1	Used for sealing
80"	Steel	125.60	1	Used for sealing
80 1/2"	Steel	126.40	1	Used for sealing
81"	Steel	127.20	1	Used for sealing
81 1/2"	Steel	128.00	1	Used for sealing
82"	Steel	128.80	1	Used for sealing
82 1/2"	Steel	129.60	1	Used for sealing
83"	Steel	130.40	1	Used for sealing
83 1/2"	Steel	131.20	1	Used for sealing
84"	Steel	132.00	1	Used for sealing
84 1/2"	Steel	132.80	1	Used for sealing
85"	Steel	133.60	1	Used for sealing
85 1/2"	Steel	134.40	1	Used for sealing
86"	Steel	135.20	1	Used for sealing
86 1/2"	Steel	136.00	1	Used for sealing
87"	Steel	136.80	1	Used for sealing
87 1/2"	Steel	137.60	1	Used for sealing
88"	Steel	138.40	1	Used for sealing
88 1/2"	Steel	139.20	1	Used for sealing
89"	Steel	140.00	1	Used for sealing
89 1/2"	Steel	140.80	1	Used for sealing
90"	Steel	141.60	1	Used for sealing
90 1/2"	Steel	142.40	1	Used for sealing
91"	Steel	143.20	1	Used for sealing
91 1/2"	Steel	144.00	1	Used for sealing
92"	Steel	144.80	1	Used for sealing
92 1/2"	Steel	145.60	1	Used for sealing
93"	Steel	146.40	1	Used for sealing
93 1/2"	Steel	147.20	1	Used for sealing
94"	Steel	148.00	1	Used for sealing
94 1/2"	Steel	148.80	1	Used for sealing
95"	Steel	149.60	1	Used for sealing
95 1/2"	Steel	150.40	1	Used for sealing
96"	Steel	151.20	1	Used for sealing
96 1/2"	Steel	152.00	1	Used for sealing
97"	Steel	152.80	1	Used for sealing
97 1/2"	Steel	153.60	1	Used for sealing
98"	Steel	154.40	1	Used for sealing
98 1/2"	Steel	155.20	1	Used for sealing
99"	Steel	156.00	1	Used for sealing
99 1/2"	Steel	156.80	1	Used for sealing
100"	Steel	157.60	1	Used for sealing
100 1/2"	Steel	158.40	1	Used for sealing
101"	Steel	159.20	1	Used for sealing
101 1/2"	Steel	160.00	1	Used for sealing
102"	Steel	160.80	1	Used for sealing
102 1/2"	Steel	161.60	1	Used for sealing
103"	Steel	162.40	1	Used for sealing
103 1/2"	Steel	163.20	1	Used for sealing
104"	Steel	164.00	1	Used for sealing
104 1/2"	Steel	164.80	1	Used for sealing
105"	Steel	165.60	1	Used for sealing
105 1/2"	Steel	166.40	1	Used for sealing
106"	Steel	167.20	1	Used for sealing
106 1/2"	Steel	168.00	1	Used for sealing
107"	Steel	168.80	1	Used for sealing
107 1/2"	Steel	169.60	1	Used for sealing
108"	Steel	170.40	1	Used for sealing
108 1/2"	Steel	171.20	1	Used for sealing
109"	Steel	172.00	1	Used for sealing
109 1/2"	Steel	172.80	1	Used for sealing
110"	Steel	173.60	1	Used for sealing
110 1/2"	Steel	174.40	1	Used for sealing
111"	Steel	175.20	1	Used for sealing
111 1/2"	Steel	176.00	1	Used for sealing
112"	Steel	176.80	1	Used for sealing
112 1/2"	Steel	177.60	1	Used for sealing
113"	Steel	178.40	1	Used for sealing
113 1/2"	Steel	179.20	1	Used for sealing
114"	Steel	180.00	1	Used for sealing
114 1/2"	Steel	180.80	1	Used for sealing
115"	Steel	181.60	1	Used for sealing
115 1/2"	Steel	182.40	1	Used for sealing
116"	Steel	183.20	1	Used for sealing
116 1/2"	Steel	184.00	1	Used for sealing
117"	Steel	184.80	1	Used for sealing
117 1/2"	Steel	185.60	1	Used for sealing
118"	Steel	186.40	1	Used for sealing
118 1/2"	Steel	187.20	1	Used for sealing
119"	Steel	188.00	1	Used for sealing
119 1/2"	Steel	188.80	1	Used for sealing
120"	Steel	189.60	1	Used for sealing
120 1/2"	Steel	190.40	1	Used for sealing
121"	Steel	191.20	1	Used for sealing
121 1/2"	Steel	192.00	1	Used for sealing
122"	Steel	192.80	1	Used for sealing
122 1/2"	Steel	193.60	1	Used for sealing
123"	Steel	194.40	1	Used for sealing
123 1/2"	Steel	195.20	1	Used for sealing
124"	Steel	196.00	1	Used for sealing
124 1/2"	Steel	196.80	1	Used for sealing
125"	Steel	197.60	1	Used for sealing
125 1/2"	Steel	198.40	1	Used for sealing
126"	Steel	199.20	1	Used for sealing
126 1/2"	Steel	200.00	1	Used for sealing
127"	Steel	200.80	1	Used for sealing
127 1/2"	Steel	201.60	1	Used for sealing
128"	Steel	202.40	1	Used for sealing
128 1/2"	Steel	203.20	1	Used for sealing
129"	Steel	204.00	1	Used for sealing
129 1/2"	Steel	204.80	1	Used for sealing
130"	Steel	205.60	1	Used for sealing
130 1/2"	Steel	206.40	1	Used for sealing
131"	Steel	207.20	1	Used for sealing
131 1/2"	Steel	208.00	1	Used for sealing
132"	Steel	208.80	1	Used for sealing
132 1/2"	Steel	209.60	1	Used for sealing
133"	Steel	210.40	1	Used for sealing
133 1/2"	Steel	211.20	1	Used for sealing
134"	Steel	212.00	1	Used for sealing
134 1/2"	Steel	212.80	1	Used for sealing
135"	Steel	213.60	1	Used for sealing
135 1/2"	Steel	214.40	1	Used for sealing
136"	Steel	215.20	1	Used for sealing
136 1/2"	Steel	216.00	1	Used for sealing
137"	Steel	216.80	1	Used for sealing
137 1/2"	Steel	217.60	1	Used for sealing
138"	Steel	218.40	1	Used for sealing
138 1/2"	Steel	219.20	1	Used for sealing
139"	Steel	220.00	1	Used for sealing
139 1/2"	Steel	220.80	1	Used for sealing
140"	Steel	221.60	1	Used for sealing
140 1/2"	Steel	222.40	1	Used for sealing

MSAM / Q-10