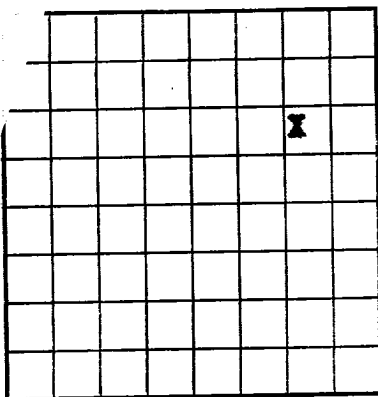


9-380

U. S. LAND OFFICE New Mexico
SERIAL NUMBER 03999
LEASE OR PERMIT TO PROSPECT 1



LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company San Juan Production Company Address 102 1/2 N. Court, Farmington, N. Mex.
Lessor or Tract Grabbling Field Blanco State New Mexico
Well No. 1 Sec. 28 T. 29N R. 9W Meridian N. M. P. M. County San Juan
Location 1650 ft. XXX of N Line and 990 ft. XXX of E Line of Section 28 Elevation 5652
(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 E. J. Coal - E. J. Coal
Title Petroleum Engineer

Date January 3, 1951

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

Commenced drilling November 14, 1950 Finished drilling December 22, 1950

OIL OR GAS SANDS OR ZONES
(Denote gas by G)

No. 1, from 975 to 990 G No. 4, from _____ to _____
No. 2, from 4315 to 4498 G No. 5, from _____ to _____
No. 3, from _____ to _____ No. 6, from _____ to _____

IMPORTANT WATER SANDS

No. 1, from 1050 to 1090 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—	
9-5/8"	36.4	8	Hall	511	Halib.				Surface
7"	26.4	8	Hall	1009	Halib.				Production
2"	4.78	8	Young	4450	None		4444	4450	Tubing

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
9-5/8"	522	165	Circulated		
"	4315	450	Two-Stage		
2"	4450				

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
Qts.		Sol. Nitro	520 qts.	12-19	4350-4485	4485

TOOLS USED

Rotary tools were used from 0 feet to 4324 feet, and from _____ feet to _____ feet
Cable tools were used from 4324 feet to 4498 feet, and from _____ feet to _____ feet

DATES

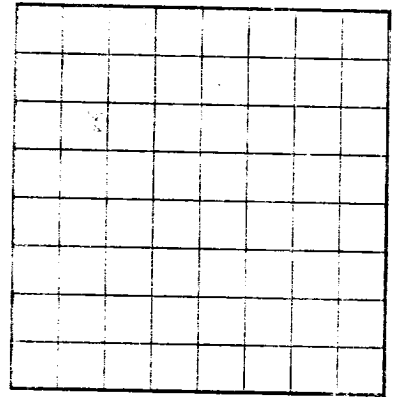
January 2, 1951 Put to producing (Not connected), 19____
The production for the first 24 hours was _____ barrels of fluid of which _____ % was oil; _____ %
emulsion; _____ % water; and _____ % sediment. Gravity, °Bé. _____
If gas well, cu. ft. per 24 hours 1,300 Gallons gasoline per 1,000 cu. ft. of gas _____
Rock pressure, lbs. per sq. in. 1091 SICP

EMPLOYEES

O. L. Taylor, Driller J. M. Bean, Driller
Bob Harris, Driller J. B. Owen, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	200	200	
200	400	400	
400	600	600	
600	800	800	
800	1000	1000	
1000	1200	1200	
1200	1400	1400	
1400	1600	1600	
1600	1800	1800	
1800	2000	2000	
2000	2200	2200	
2200	2400	2400	
2400	2600	2600	
2600	2800	2800	
2800	3000	3000	
3000	3200	3200	
3200	3400	3400	
3400	3600	3600	
3600	3800	3800	
3800	4000	4000	
4000	4200	4200	
4200	4400	4400	
4400	4600	4600	
4600	4800	4800	
4800	5000	5000	
5000	5200	5200	
5200	5400	5400	
5400	5600	5600	
5600	5800	5800	
5800	6000	6000	
6000	6200	6200	
6200	6400	6400	
6400	6600	6600	
6600	6800	6800	
6800	7000	7000	
7000	7200	7200	
7200	7400	7400	
7400	7600	7600	
7600	7800	7800	
7800	8000	8000	
8000	8200	8200	
8200	8400	8400	
8400	8600	8600	
8600	8800	8800	
8800	9000	9000	
9000	9200	9200	
9200	9400	9400	
9400	9600	9600	
9600	9800	9800	
9800	10000	10000	



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company _____
Lessor or Tract _____
Well No. _____
Location _____ of _____ Line and _____ of _____
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 _____
Title _____
Date _____

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

OIL OR GAS SANDS OR ZONES

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. 1 from _____ to _____
No. 2 from _____ to _____	No. 2 from _____ to _____

CASING RECORD

Casing size per foot	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	From	To	Purposes
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 "struck" or left in the well, give the size and location. If the well has been dynamited, give date, 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

Casing size	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
MUDDING AND CEMENTING RECORD					

Adapters—Material	Heaving plug—Material	Length	Depth set
PLUGS AND ADAPTERS			

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out
SHOOTING RECORD						

Rotary tools were used from _____ feet to _____ feet	Cable tools were used from _____ feet to _____ feet
TOOLS USED	

DATE	Put to pump _____	Barrels of fluid of which _____ % was oil; _____ % was water; and _____ % sediment.
DATES		

EMPLOYEES	Shale, sand & sandy shale, gray green shale, Driller	White to gray sand, dense calcareous shale, gray, Driller
EMPLOYEES		

FORMATION	TO	FROM	TOTAL FEET
Sand, unconsolidated to dense calc. sandstone.	660	0	660
Sand & shale. Gray shale & unconsolidated sandstone.	170	660	170
White, unconsolidated, calcareous sandstone.	90	170	90
White, unconsolidated, calcareous sandstone and traces of gray shale.	280	90	280
Shale, gray to green, with gray sand stringers & traces of coal near bottom.	750	280	750
Sandstone, tan to gray, with shale stringers gray to green, & coal up to 10% of sample.	270	750	270
Shale, gray, green with only traces of sand, white.	1535	270	1535
Sandy shale, gray-green, dense calcareous with up to 20% coal in samples.	85	1535	85
Shale with sand lenses & traces of coal. Gray, hard, dense, calcareous.	255	85	255
FORMATION	4055	255	4055
FORMATION	4100	4055	4100
FORMATION	4320	4100	4320
FORMATION	4370	4320	4370
FORMATION	4790	4370	4790
FORMATION	4790	4790	4790