

4-U.S.G.S.

1-W. R. Johnson

2- C. C. Rogers

1-F-12

Budget Bureau No. 42-R-355.3.

Approval expires 12-31-55.

U. S. LAND OFFICE

Santa Fe

SERIAL NUMBER

079013

LEASE OR PERMIT TO PROSPECT

32-8

UNITED STATES

DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

RECEIVED
DEC 8 1955
U. S. GEOLOGICAL SURVEY
FARMINGTON, NEW MEXICO

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company Pacific Northwest Pipeline Address 413 1/2 N. Main
Lessor or Tract Unit 32-8 Field Blanco State New Mexico
Well No. 9-20 Sec. 20 T. 32N R. 6W Meridian N.M.P.M. County San Juan
Location 1600 ft. N. of Sec Line and 1150 ft. E. of Sec. Line of Sec. 20 Elevation 5821
Ungraded ground

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.

Date November 28, 1955 Signed T. A. Dugan Original signed by T. A. Dugan
Title District Engineer

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

Commenced drilling July 27, 1955 Finished drilling 11-8, 1955

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 3410 to 6287 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 3491 to 3569 No. 3, from _____ to _____
No. 2, from 3604 to 3679 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	37.75	8	Longaker	240					
10-3/4			Davis	1	Casing shoe				
7-5/8	24.40	8		3920					
7-5/8					Casing shoe				
5	15.914	8	JEL	6272			6272	5796	Sand Frac.
5			Saker						

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement		Method used	Mud gravity	Amount of mud used
10-3/4	253.15	150	ex 4%	Halliburton		
7-5/8	3930	150	ex 8% 79 ss	Halliburton		
5	6284	125	ex 29 gel	Halliburton		
2-3/8	6253					

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 6287 feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

11-8, 1955 Put to producing _____, 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, _____ per 24 hours 2104 Gallons gasoline per 1,000 cu. ft. of gas _____

Rock pressure, lbs. per sq. in. SICP 1000# S.I.P.P. 215#

EMPLOYEES

Larry Stone, Drilling Foreman, Driller _____, Driller _____
_____, Driller _____, Driller _____

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	2603	2603	Surface
2603	2718	115	Interbedded Sands & Shales - Ojo Alamo
2718	3396	678	Shales w/some Sands - Kirtland
3396	3718	322	Interbedded Shales, Sands & Coals - Fruitland
3718	3912	194	Sand - Pictured Cliffs
3912	5407	1495	Shale - Lewis
5407	5843	436	Sands w/some shale - Cliff House
5843	6109	266	Sands, Shales & Coals - Manafee
6109		6109	Sand - Point Lookout
6109	6287	178	Total Depth

REPRINT NUMBER

PLEASE DO NOT WRITE IN THESE SPACES

DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

RECEIVED
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U.S. GEOLOGICAL SURVEY
WASHINGTON, NEW MEXICO

[illegible]

LOCATE WELL CORRECTLY

[illegible]

10-10-68

[illegible]

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 "setback", 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 balling.

MURKIN AND CEMENTING RECORD

Where used	Number sacks of cement	Method used	Kind of gravel	Amount of sand used
1. 1st	100	1st	1st	100
2. 2nd	100	2nd	2nd	100
3. 3rd	100	3rd	3rd	100
4. 4th	100	4th	4th	100
5. 5th	100	5th	5th	100
6. 6th	100	6th	6th	100
7. 7th	100	7th	7th	100
8. 8th	100	8th	8th	100
9. 9th	100	9th	9th	100
10. 10th	100	10th	10th	100

PLUGS AND ADAPTERS

[illegible]

SHOOTING RECORD

Size	Steel used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out

TOOLS USED

Rotary tools were used from	feet to	feet and from	feet to
(table tools were used from	feet to	feet and from	feet to

DATE

11-11-1937	Put to producing
11-11-1937	Put to producing

.....	% water; and	
.....	% sediment	
.....	Gravity, °Bé	

Rocky Mountain, for period in 1900-1901.

EMPLOYEES

[illegible]

FORMATION RECORD

[illegible]

FORMATION RECORD—Continued