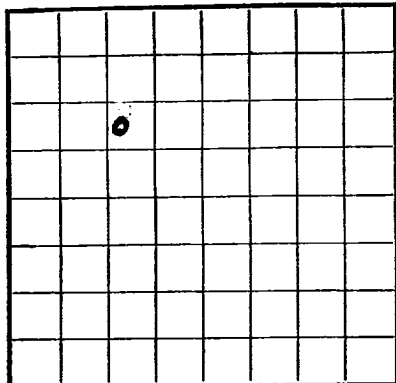


U. S. LAND OFFICE Santa Fe
SERIAL NUMBER N.M. 029144
LEASE OR PERMIT TO PROSPECT _____

LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYRECEIVED
SEP 9 1957
U. S. GEOLOGICAL SURVEY
SANTA FE, N. M.

LOG OF OIL OR GAS WELL

Company Public Petroleum Corp. Address 106 W. Chuaska, Aztec, N. M.
Lessor or Tract Federal Field S. Blanco P.C. State New Mexico
Well No. 9-2 Sec. 9 T. 27N R. 3E Meridian NMPM County San Juan
Location 1740 ft. [N.] of [S.] Line and 1430 [E.] of [W.] Line of Section 9 Elevation 6029
(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 J. S. HoldemanDate September 6, 1957Title District Geologist

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

Commenced drilling July 20, 1957 Finished drilling August 17, 1957

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 2177 to 2238 (G) 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. 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	32.3	8	Spang	92.37	None				Surface
7	22.75	10							2278
1	22.18	10							2218

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
9 5/8	100	100 sx regular	Circulated		
7	2278	50 sx reg 50 cu	2 plug		
1	2218	1 ft stratacrete 6% gel			

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
See below						

TOOLS USED

Rotary tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet
Cable tools were used from Surface feet to 2278 feet, and from _____ feet to _____ feet

DATES

_____, 19____ Put to producing _____, 19____
September 6, 1957 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 2553 MCF ADF Gallons gasoline per 1,000 cu. ft. of gas 1.64
Rock pressure, lbs. per sq. in. _____ 0.810

EMPLOYEES

_____, Driller
J. Copeland, Driller
Jewell Copeland, Driller
Joe Layman, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
Surface	1413	1413	Wasatch
1413	1914	501	Kirtland
1914	2177	263	Fruitland
2177	2270	93	Pictured Cliffs
2270	2278	8	Lewis

Perforations: 2177-87, 2193-95, 2197-2200, 2207-12, 2216-22, 2226-34 (4 Schlumberger bullets per foot); 2177-87 2193-95, 2197-2200, 2207-12, 2216-22, 2226-38 (with 2 Welox torpedo jets per foot) acidized perf w/500 gal mud acid; Breakdown 2400 psi Sand water frac 2177-2238 (through perfs after acidizing) with 42,000 gallons water and 40,000 pounds sand, 100 rubber balls, BD 1800 psi, TP 1100 psi, IR 59 BPM

Attempted breakdown thru bullet perfs pressured to 4400 psi. Attempted breakdown thru bullet & jet perf pressured to 4200 psi no breakdown Acidized before frac

IP: GAO 2553 MCFPD. Tested through 1" tubing and 3/4" choke; blew through 3/4" choke 1204 MCFPD.