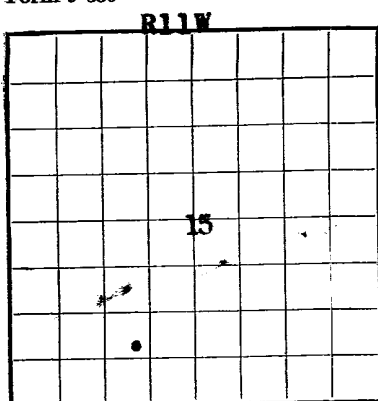
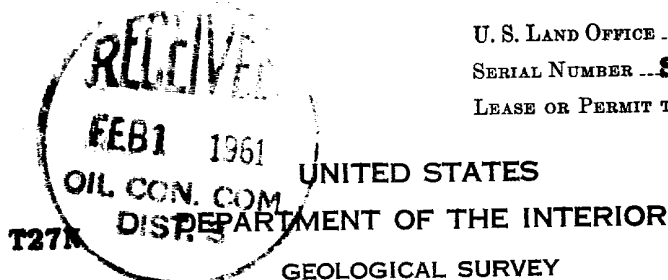




LOCATE WELL CORRECTLY

U. S. LAND OFFICE Santa Fe
SERIAL NUMBER SF-078872-A
LEASE OR PERMIT TO PROSPECT _____

LOG OF OIL OR GAS WELL

Company The Frontier Refining Co. Address 4040 East Louisiana Ave. Denver 22, Colorado
Lessor or Tract Bolack Field Basin Dakota State New Mexico
Well No. 2-D Sec. 15 T. 27N R. 11W Meridian N.M.P.M. County San Juan
Location 790 ft. N. of S Line and 1850 ft. E. of E Line of Sec. 15 Elevation 6322 (KB)
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. MorrisonDate January 27, 1961 Title Petroleum Engineer

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

Commenced drilling October 4, 1960 Finished drilling October 26, 1960

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from (G) 6512' to 6614' P.B.T.D. 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—	
8 5/8"	24.0	8Rd	Spang	215	None				Surface
4 1/2"	11.6	8Rd	CF&I	6537	Larkin		6514	6537	Oil String
2 3/8"	4.70	8Rd	CF&I	6483	None				Prod. String
EUE									

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8 5/8"	227'	175	Pump	Water	Water
4 1/2"	6647'	225	Pump	9.7#/gal.	

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 227 feet to 6650 feet, and from _____ feet to _____ feet
Cable tools were used from GR feet to 227 feet, and from _____ feet to _____ feet

DATES

_____, 19____ Put to producing December 1, 1960

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 1,540,000 Gallons gasoline per 1,000 cu. ft. of gas NGRock pressure, lbs. per sq. in. 2,000 psi. Note: 15/64" choke.

EMPLOYEES

500 psi. back pressure1.66 bbl. distillate/hourNote: 1.66 bbl. distillate/hour

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
			From the Schlumberger Induction Electrical Log:
			Kirtland 1018'
			Fruitland 1746'
			Pictured Cliffs 1988'
			Chacka 2912'
			Pt. Lookout 4370'
			Maestros 4732'
			Gallup 5382'
			Hoerland 5921'
			Sanstee 6050'
			Greenhorn 6406'
			Graneros Shale 6464'
			1st Graneros S.S. 6488'
			2nd Graneros S.S. 6512'
			Dakota "A" 6555'
			Total Depth 6650'
			P.B.T.D. 6614'

(OVER)

16-43994-4

