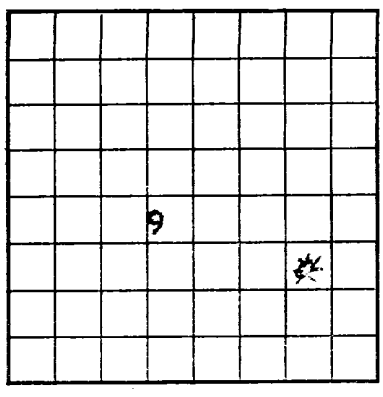
Budget Bureau No. 42-R355.1.
Approval expires 11-30-49.

Form 9-330

U. S. LAND OFFICE SANTA FE
SERIAL NUMBER 078872-A
LEASE OR PERMIT TO PROSPECT Bolack #8



LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

RECEIVED APR 24 1952 U. S. GEOLOGICAL SURVEY FARMINGTON, N. M.

LOG OF OIL OR GAS WELL

Company The Frontier Refining Company Address 410 Boston Bldg., Denver, Colo.

Lessor or Tract Bolack-Government Field W. Kutz Canyon (Ext) State New Mexico

Well No. 8 Sec. 9 T. 27N R. 11W Meridian N.M.P.M. County San Juan 6237' Grd.

Location 1650 ft. {N.} of S Line and 990 ft. {E.} of E Line of Section 9 Elevation 6246' KB
(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 Denman S. Galbraith

Date April 22, 1952 Title Denman S. Galbraith, Geologist

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

Commenced drilling 12/19, 19 51 Finished drilling 12/24, 19 51

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 1979 to 2027 G No. 4, from to

No. 2, from to No. 5, from to

No. 3, from to No. 6, from to

RECEIVED MAY 9 1952 OIL CON DIST.

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 From—	Perforated To—	Purpose
8-5/8"	23	10		107.51'					
5-1/2"	14	8rd		1999					

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8-5/8"	116'KB	90	plug		
5-1/2"	1985'KB	140	plug		

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
3½ x 10	2	Gel. Nitro	20 qts.	1/7/52	2006-16'KB	2027'RF

TOOLS USED

Rotary tools were used from 0 feet to 1985 feet, and from feet to feet

Cable tools were used from 1985 feet to 2032 feet, and from feet to feet

DATES

Completed 1/8, 19 52 Put to producing Shut in, 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 1,030,000 Gallons gasoline per 1,000 cu. ft. of gas -

Rock pressure, lbs. per sq. in. 460#

EMPLOYEES

Camden Drilling Company, Driller , Driller

English Drilling Company, Driller , Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	1980	1980	Sand and shale. Torrehon-Fuerco at surface. Top of Pictured Cliffs at 1980'KB.
1980	2032	52	Sand with shale breaks.
	2032'KB	TD	(No electric log run)

(OVER)

16—43094-2

FOLD MARK

FORMATION RECORD—Continued

FROM—	TO—	TOTAL FEET	FORMATION

HISTORY OF OIL OR GAS WELL

16—43094-1 U. S. GOVERNMENT PRINTING OFFICE

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 "sidetracked" 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 bailing.

12/19/51 Spudded.

12/20/51 Ran 5 joints (107.5') of 8-5/8" OD, 10 "T" thd., lap weld, 28 & 32#/ft. casing set at 116'KB and cemented with 90 sacks of regular cement and circulated to the surface. Tested casing with 800# held for 30 minutes.

12/21/51 Drilled thru plug and tested with 300# held for 30 minutes. The water level remained stationary. Drilled to 815'.

12/22/51 Drilled to 1030'.

12/23/51 Drilled to 1545'.

12/24/51 Drilled to 1986'KB. Ran 62 joints (1999') of 5½" OD, 14-H, 8rd. thd., API casing cemented at 1986'KB with 140 sacks of cement. Plug down at 1:30 P.M. Moved off rotary tools.

1/2/52 Moved in cable tools.

1/3/52 Drilled thru plug and bailed hole dry to casing shoe. Bailed 2 gallons of water after hole stood for 2 hours. Well gauged 50 MCFPD.

1/6/52 Well gauged 584 MCFPD.

1/7/52 Ran 20 quarts of gel. nitro from 2006-2016'KB in 2 cans 3½x10. Well cleaned out to 2032'KB TD.

1/8/52 Rig off. Well gauged 1030 MCFPD at 440 SIP. Well was completed without 1" tubing as a shut in gas well.

FORM 9-330