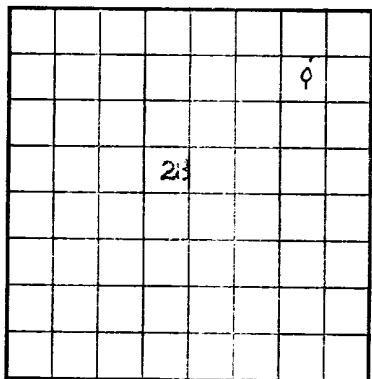


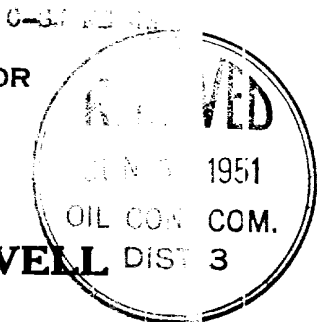
Form 9-330



LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

U. S. LAND OFFICE
SERIAL NUMBER
LEASE OR PERMIT TO PROSPECT



LOG OF OIL OR GAS WELL

Company The Frontier Refining Company Address 410 Boston Building
Lessor or Tract Oliver Bolack Field J. Kutz Canyon State New Mexico
Well No. 1 Sec. 28 T. 27N R. 11E Meridian N.T.M. County San Juan 6329 CB
Location 990 ft. N. of N Line and 990 ft. E. of E Line of Section 28 Elevation 6329 ft.
(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 [Signature]
Date May 30, 1951 Title C. C. Orsiedo, Geologist

The summary on this page is for the condition of the well at above date.
Commenced drilling May 10 1951 Finished drilling May 23 1951

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 105' to 2032' 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"	40#	8 rd.	—	105'	—				Surf
5-1/2"	14#	8 rd.	—	1921.88	—				Production
1"	—	6 rd.	—	2009.90	M				Synthetic Line

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
9-5/8"	105'	50 sacks	Plug	—	—
5-1/2"	1921.88'	150 sacks	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
1 x 30		Solid	250 lbs.	5/21/51	1931-2021	2032'

TOOLS USED

Rotary tools were used from 0 feet to 2032' feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

5/30, 1951 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, cu. ft. per 24 hours 720,000 Gallons gasoline per 1,000 cu. ft. of gas _____
Rock pressure, lbs. per sq. in. 4600

EMPLOYEES

McConnell Drilling Corp., Driller _____, Driller
English Drilling Co., Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	1030		Dark red shale
1030	1667	37	Dark with few sand streaks
1667	1898	231	Dark red shale
1898	1908	10	Dark with shale streaks
1908	2032	124	Shale streaks

