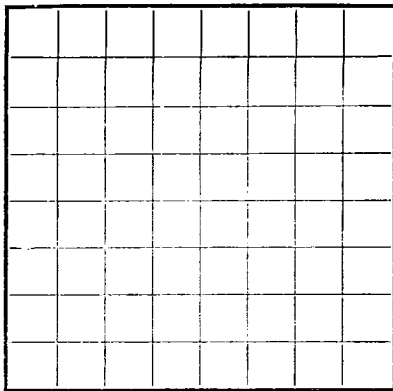


U. S. LAND OFFICE Santa Fe
SERIAL NUMBER 078040
LEASE OR PERMIT TO PROSPECT _____



LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company El Paso Nat. Gas Co. Address Box 997, Farmington, N. M.
Lessor or Tract Mudge Field Blanco State New Mexico
Well No. 4 Sec. 1 T. 31N R. 11W Meridian NMPM County San Juan
Location 1800 ft. ^N of N Line and 800 ft. ^W of E Line of Section 1 Elevation 6001
(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 Shad Kuleman

Date September 11, 1953 Title Petroleum Engineer

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

Commenced drilling May 30, 1953 Finished drilling July 29, 1953

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 2755 to 2842 (G) No. 4, from 5007 to 5104 (G)
No. 2, from 4455 to 4621 (G) No. 5, from _____ to _____
No. 3, from 4621 to 5007 (G) 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
9-5/8	25.4	SW	Armco	160	Armco			Surface
7"	23.6	8rd	Spang	4356	Baker			Producing
5"	18	8rd	Spang	4136				Liner
2"	4.7	8rd	Young	5069				Prod. tubing



MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
9-5/8	171	125	Circulation		
7"	4366	300	Single Stage		
5"	4367	100	Single Stage		

FOLD MARK

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
Qts.	Reg.	SNG	960	7-30-53	4472-5112	5112

TOOLS USED

Gas Drig.

Rotary tools were used from 0 feet to 4366 feet, and from 4366 feet to 5112 feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

July 31, 1953 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 6,832 MCF Gasoline per 1,000 cu. ft. of gas _____

Rock pressure, lbs. per sq. in. 1091 psig

EMPLOYEES

_____, Driller _____, Driller
_____, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	416	416	Tan cr-grn SS w/thin sh breaks.
416	1150	734	Variegated sh w/thin SS breaks.
1150	2028	878	Tan-gr cr--grn SS interbedded w/gr sh.
2028	2120	92	Ojo Alamo SS. Wh cr--grn sd.
2120	2294	174	Top Ojo Alamo 2028.
2294	2755	461	Kirtland formation. Gr sh interbedded w/tight gr fine-grn SS. Top Kirtland 2120.
2755	2842	87	Fruitland formation. Gr carb. sh, scattered coals and gr, tight fine-grn SS. Top Fruitland 2294.
2842	4455	1613	Pictured Cliffs formation. Gr, fine-grn, tight, varicolored soft SS. Top Pictured Cliffs 2755.
4455	4621	166	Lewis formation. Gr to wh dense sh w/slty-shly SS breaks. Top Lewis 2842.
4621	5007	386	Cliff House SS. Gr, fine-grn, dense siliceous SS. Top Cliff House 4455.
			Menefee formation. Gr, fine-grn sd, carb sh & coal. Top Menefee 4621.

RECEIVED
 U.S. DEPARTMENT OF THE INTERIOR
 BUREAU OF LAND MANAGEMENT
 DENVER, COLORADO
 APR 11 1957

It is of the greatest importance to have a complete history of the well. Please state in detail the dates of reworking, together with the reasons for the work and its results. If there were any changes made in the casing, state fall and 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.

HISTORY OF OIL OR GAS WELL

FROM-	TO-	TOTAL FEET	FORMATION
5007	3104	97	Point lookout formation, Cr. v. line siliceous ss w/frequent sh breaks. Top point lookout 5007, Mancos formation, or carb sh. Top Mancos 5104.
5104	5112	8	