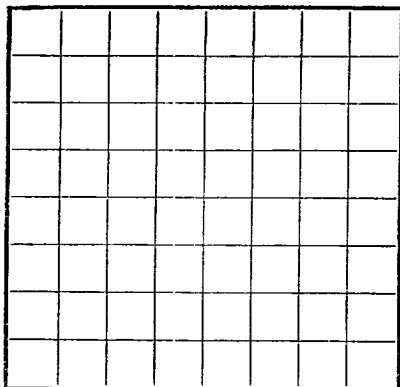




LOCATE WELL CORRECTLY

RECEIVED

JUN 21 1961

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYSanta Fe
U. S. LAND OFFICE
SERIAL NUMBER 078038
LEASE OR PERMIT TO PROSPECT

LOG OF OIL OR GAS WELL

Company El Paso Natural Gas Company Address Box 990, Farmington, New Mexico
Lessor or Tract San Juan 30-5 Unit Field Huaco Mesa Verde State New Mexico
Well No. 33 Sec. 20 T. 30N R. 5W Meridian N.M.P.M. County Rio Arriba
Location 890 ft. S. of N Line and 1150 ft. W. of E Line of Section 20 Elevation 6415
(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. Original Signed D. W. Meehan

Signed _____

Date June 13, 1961 Title Petroleum Engineer

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

Commenced drilling 4-22, 19 61 Finished drilling 5-3, 19 61

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 5281 to 5347 No. 4, from _____ to _____
No. 2, from 5347 to 5597 No. 5, from _____ to _____
No. 3, from 5597 to 5776 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—	
<u>2 7/8</u>	<u>6.4</u>	<u>8 Ma.</u>	<u>J-55</u>	<u>5766</u>	<u>Blower</u>				<u>Immediate Production</u>

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
<u>9 5/8</u>	<u>2 06</u>	<u>300</u>	<u>Circulated to Surface</u>		
<u>7"</u>	<u>3592</u>	<u>180</u>	<u>Single Stage</u>		
<u>2 7/8</u>	<u>5775</u>	<u>210</u>	<u>Single Stg.</u>		

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
		<u>See Well History</u>				

TOOLS USED

Rotary tools were used from 0 feet to 3592 feet, and from 3592 feet to 5776 feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

S. I. 5-19, 19 61 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 1,342,000 Gallons gasoline per 1,000 cu. ft. of gas _____Rock pressure, lbs. per sq. in. 1073 A.O.F. = 1363 MCF/D

EMPLOYEES

Arapahoe Drilling Company, Driller _____, Driller
_____, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
<u>0</u>	<u>5281</u>	<u>5281</u>	<u>Not Logged</u>
<u>5281</u>	<u>5347</u>	<u>66</u>	<u>Cliff House ss. Gry, fine-grn, dense silt ss.</u>
<u>5347</u>	<u>5597</u>	<u>250</u>	<u>Point Lookout form. Gry, very fine silt ss w/frequent sh breaks.</u>
<u>5597</u>	<u>5776</u>	<u>179</u>	<u>Mancos formation. Gry carb sh.</u>

FORMATION RECORD (OVER) Continued

PLEASE OR PERMIT TO PROCEED
SERIAL NUMBER
U.S. LAND OFFICE

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

so far as can be determined from all available records.
Signed _____
The information given herewith is a complete and correct record of the well and all work done thereon.
(Name of owner or lessee)
Location _____ of _____ line and _____ (W. _____) of _____ line of _____ Section _____ Township _____ Range _____
_____ Meridian _____ N. _____ E. _____ T. _____ S. _____ R. _____
_____ County _____ State _____
_____ Field _____
_____ Address _____
Company _____

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

OIL OF GAS SANDS OF ZONES

(D) $\frac{1}{2}$ and $\frac{1}{3}$

No. 1, from	to	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. 2, from _____ to _____

Water, 40,000 gals. I.R. 16 Rm. CASING RECORD 9000', fr. pr. 2900', max. pr. 4000'.
50 ft. - 50 ft. 1/2 to 1 from mon.

CASING RECORD

Size Crating	Weight per foot	Threads per inch	Walls	Amount	Kind of shoe	Cut and pulled from	From— To—	Purpose
-----------------	--------------------	---------------------	-------	--------	--------------	---------------------	--------------	---------

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 "backpacked," specify in the well, give its size and location. If the well has been dynamited, give date, size, position, and method 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

16-43094-2 U. S. GOVERNMENT PRINTING OFFICE

MUDDING AND CEMENTING RECORD

Gravel	White soil	Number bags of cement	Method used	Kind of gravel	Amount of cement used
1/2"	2 1/2"	100	enclosed in plastic		
1/2"	3 1/2"	100	enclosed in plastic		
1/2"	4 1/2"	100	enclosed in plastic		

PLUGS AND ADAPTERS

Adapters—Material		Size	
Heaving plug—Material		Length	
		Depth set	

SHOOTING RECORD

Shot	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleared out
		See well history				

TOOLS USED

Rotary tools were used from	feet to	feet, and from	feet to
Chisel tools were used from	feet to	feet, and from	feet to

DATA

The production for the first 24 hours was _____ pounds of fluid of which _____% was oil; _____%	Put to producing _____, 19____
--	--------------------------------

Gallons gasoline per 1,000 cu ft of ore Gravity, Be.	% water and % sediment % water and % sediment
---	--

Block pressure, lbs per sq in.	1013	A.O.R. = 1003 (psi)
Temperature, °F	175.00	

[illegible]

INFORMATION RECORD

FROM-	TO-	TOTAL FEET	FORMATION
1000	1010	10	Manassas formation, G.P. camp sh.
1010	1020	10	Wheatland sh. breaks.
1020	1030	10	Point Lookout ls., G.P. camp sh.
1030	1040	10	Cliff House ss., G.P. camp sh.
1040	1050	10	Point Lookout ls., G.P. camp sh.

FORMATION RECORD—Continued

0-4904-01