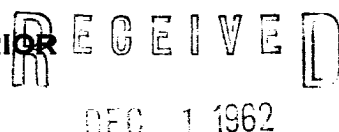


LOCATE WELL CORRECTLY

U. S. LAND OFFICE New Mexico
SERIAL NUMBER 01384
LEASE OR PERMIT TO PROSPECT _____U. S. GEOLOGICAL SURVEY
ALBUQUERQUE, NEW MEXICO

LOG OF OIL OR GAS WELL

Company El Paso Natural Gas Company Address Box 990, Farmington, New Mexico
Lessor or Tract Rincon Unit Field Basin Dakota State New Mexico
Well No. 161 Sec. 17 T. 27N R. 6W Meridian N.M.P.M. County Rio Arriba
Location 1450 ft. XXX of N Line and 1450 ft. XX of E Line of Section 17 Elevation 6524
(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 ORIGINAL SIGNED H.E. McANALLYDate December 21, 1962Title Petroleum Engineer

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

Commenced drilling 9-22-, 19 62 Finished drilling 10-9-, 19 62

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 7404 to 7520 (G) No. 4, from _____ to _____
No. 2, from 7520 to 7710 (G) 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—	
<u>9 5/8"</u>	<u>40</u>	<u>8 RA</u>	<u>J-40</u>	<u>7130</u>	<u>Baker</u>				<u>Surface casing</u>
<u>5 1/2"</u>	<u>17.15.5</u>	<u>8 RA</u>	<u>J-55</u>	<u>7130</u>	<u>Baker</u>				<u>Production casing</u>
<u>2 3/8"</u>	<u>4.6</u>	<u>8 RA</u>	<u>J-55</u>	<u>7048</u>	<u>Baker</u>				<u>Production tubing</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>324</u>	<u>205</u>	<u>circulated</u>		
<u>5 1/2"</u>	<u>7740</u>	<u>657</u>	<u>3 stage</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>Perf 7642-46; 7600-04 (3 SHF); 7552-64 (1 SHF); 7464-68; 7440-44 (3 SHF); Frac w/73,000 gallons water, 70,000# sand. Flush w/12,500 gallons water, 70,000# sand. Flush w/12,500 gallons water. In 39 SHF. Max pr 3900#, SHF 2600#, tr pr 2700-3900#. 3 drops of 12 balls</u>						

TOOLS USED

Rotary tools were used from 0 feet to 7740 feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

10-23-, 19 62 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 4,162,000 Gallons gasoline per 1,000 cu. ft. of gas _____Rock pressure, lbs. per sq. in. 2490 avg. A.O.F. 4618 MCF/D

EMPLOYEES

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

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
<u>0</u>	<u>2469</u>	<u>2469</u>	<u>Tan to gry cr-grn ss interbedded w/gry sh.</u>
<u>2469</u>	<u>2626</u>	<u>157</u>	<u>Ojo Alamo ss. White cr-grn s.</u>
<u>2626</u>	<u>3002</u>	<u>375</u>	<u>Kirtland form. Gry sh interbedded w/tight gry fine-grn ss.</u>
<u>3002</u>	<u>3203</u>	<u>201</u>	<u>Fruitland form. Gry carb sh, scattered coals, coal and gym gry, tight, fine-grn ss.</u>
<u>3203</u>	<u>3268</u>	<u>65</u>	<u>Pictured Cliffs form. Gry, fine-grn tight, varicolored soft ss.</u>
<u>3268</u>	<u>4856</u>	<u>1588</u>	<u>Lewis form. Gry, fine-grn, dense sil ss.</u>
<u>4856</u>	<u>4992</u>	<u>136</u>	<u>Cliff House ss. Gry, fine-grn, dense sil ss.</u>
<u>4992</u>	<u>5431</u>	<u>438</u>	<u>Manefee form. Gry, fine-grn s, carb sh & coal.</u>
<u>5431</u>	<u>5578</u>	<u>147</u>	<u>Point Lookout form. Gry, very fine sil ss w/frequent sh breaks.</u>
<u>5578</u>	<u>6397</u>	<u>819</u>	<u>Mancos form. Gry carb sh.</u>
<u>6397</u>	<u>7343</u>	<u>946</u>	<u>Gallup form. Lt gry to brn calc carb micac glauco very fine gry ss w/irreg interbed sh.</u>
<u>7343</u>	<u>7404</u>	<u>61</u>	<u>Greenhorn form. Highly calc gry sh w/thin lmst.</u>
<u>7404</u>	<u>7520</u>	<u>116</u>	<u>Graneros form. Dk gry shale, fossil & carb w/white incl.</u>
<u>7520</u>	<u>7710</u>	<u>190</u>	<u>Bakota form. Lt to dk gry foss carb sl calc sl silty ss w/white incl thin sh bands clay & shale breaks.</u>
<u>7710</u>	<u>7740</u>	<u>30</u>	<u>Morrison form. Interbed grn brn and red waxy sh & fr to cr grn sand.</u>
FROM—	TO—	TOTAL FEET	FORMATION