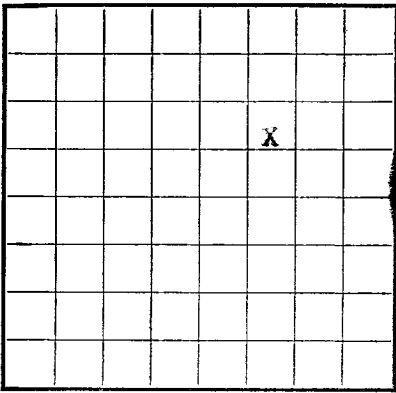




LOCATE WELL CORRECTLY

U. S. LAND OFFICE Jicarilla Triba
SERIAL NUMBER Cont. #67
LEASE OR PERMIT TO PROSPECT

RECEIVED

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

U. S. GEOLOGICAL SURVEY
FARMINGTON NEW MEXICO

LOG OF OIL OR GAS WELL

Company El Paso Natural Gas Company Address Box 997, Farmington, New Mexico
Lessor or Tract Jicarilla Field Chacra State New Mexico
Well No. 67-7(PC) Sec. 20 T. 25N R. 5W Meridian N.M.P.M. County Rio Arriba
Location 1700 ft. S. of N. Line and 1650 ft. W. of E. Line of Section 20 Elevation 5626
(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 By: D.H. Oheim
Signed _____

Date 7-15-59 Title Petroleum Engineer

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

Commenced drilling 4-5-, 19 52 Finished drilling 4-13, 19 59

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 2691 to 2745 (G) No. 4, from _____ to _____
No. 2, from 3542 to 3727 (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>10 3/4</u>	<u>32.75</u>	<u>P.E.</u>	<u>S.W.</u>	<u>161'</u>	<u>Howee</u>				<u>Surface</u>
<u>7 5/8</u>	<u>26.4</u>	<u>8 Rd.</u>	<u>J-95</u>	<u>3716'</u>	<u>Baker</u>				<u>Prod. Csg.</u>
<u>2"</u>	<u>4.7</u>	<u>8 Rd.</u>	<u>J-55</u>	<u>3574'</u>					<u>Prod. Tbg.</u>
<u>1 1/4"</u>	<u>2.4</u>	<u>10 Rd.</u>	<u>Grade "A"</u>	<u>2710'</u>					<u>Siphon</u>

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
<u>10 3/4</u>	<u>173'</u>	<u>117</u>	<u>Circulated</u>		
<u>7 5/8</u>	<u>3726'</u>	<u>245</u>	<u>Single Stage</u>		

PLUGS AND ADAPTERS

Heaving plug—Material _____ Length _____ Depth set _____
Adapters—Material _____ Size Gilbertson "AG" Packer at 2350'

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 _____ feet to 3727 feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

6-8, 19 59 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 P.C. 534,000 Gallons gasoline per 1,000 cu. ft. of gas _____
Cha-3,133,000

Rock pressure, lbs. per sq. in. PC-836 A.O.F. = P.C. 577; Chacra 4048 MCF/D
Cha-844

EMPLOYEES

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

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
<u>0</u>	<u>2141</u>	<u>2141</u>	<u>Tan to gry cr-grn ss interbedded w/gry sh.</u>
<u>2141</u>	<u>2272</u>	<u>131</u>	<u>Ojo Alamo ss. White cr-grn s.</u>
<u>2272</u>	<u>2612</u>	<u>340</u>	<u>Kirtland form. Gry sh interbedded w/tight</u>
			<u>gry fine-grn ss.</u>
<u>2612</u>	<u>2691</u>	<u>79</u>	<u>Fruitland form. Gry carb sh, scattered coals,</u>
			<u>coals and gry, tight, fine-grn ss.</u>
<u>2691</u>	<u>2745</u>	<u>54</u>	<u>Pictured Cliffs form. Gry, fine-grn, tight,</u>
			<u>varicolored soft ss.</u>
<u>2745</u>	<u>3542</u>	<u>797</u>	<u>Lewis formation. Gry to white dense sh w/silty</u>
			<u>to shaly ss breaks.</u>
<u>3542</u>	<u>3727</u>	<u>185</u>	<u>Chacra form. Gry fn grn silty, glauconitic ad</u>
			<u>stone with drk gry shale.</u>

5-29-59 C.O.T.D. 3677. Fert. Chacra @ 3558-78 (2 DJ/ft.) Traced w/45,000 gal. water w/1% calci & .60,000# sand. Flushed 740 gal. water. I.R. 41 RPM. Max. pr. 2000#, tr. pr. 1275, 1450, 1650, 1850#. Dropped 2 sets of 8 balls each & 1 set of 4 balls for 4 stages. Spotted 250 gallons BMA on perforations. Set bridge plug at 2840', perf. Placed pills at 2694-2704 (2 DJ/ft.) 2734-42 (4 DJ/ft.) Traced w/32,600 gallons water w/1% calci & 35,000# sand, 71ush 5600 gallons water. I.R. 23 RPM. Max. pr. 2600#, BD pr. 1275#, tr. pr. 1000, 1100, 2600, 2300#. Dropped 2 sets of 10 balls for three stages. Spotted 200 gallons MCA on perforations.