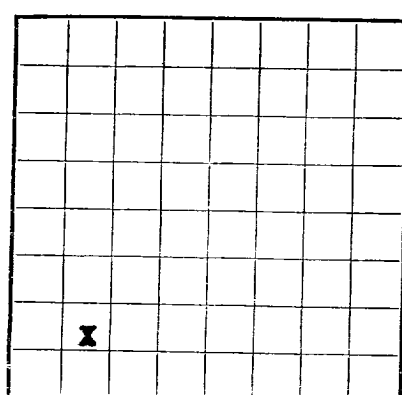


U. S. LAND OFFICE Santa FeSERIAL NUMBER 080671-A

LEASE OR PERMIT TO PROSPECT

JUL 25 1961
OIL CON. COM.
DIST. 3UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOCATE WELL CORRECTLY

LOG OF OIL OR GAS WELL

Company El Paso Natural Gas Company Address Box 990, Farmington, New MexicoLessor or Tract San Juan 27-4 Unit Field Blanco Mesa Verde State New MexicoWell No. 28 Sec 11 T. 27-NR. 4-W Meridian N.M.P.M. County Rio ArribaLocation 990 ft. N. of 8 Line and 1150 ft. E. of W Line of Section 11 Elevation 6891
(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 A.M. SMITHDate July 20, 1961 Title Petroleum Engineer

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

Commenced drilling 5-17, 1961 Finished drilling 6-11, 1961

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 3793 to 3878 (G) No. 4, from 5934 to 6098 (G)No. 2, from 5575 to 5674 (G) No. 5, from _____ to _____No. 3, from 5674 to 5934 (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
							From—	To—	
<u>9 5/8"</u>	<u>26.3</u>	<u>8 rd</u>	<u>J-55</u>	<u>2299</u>	<u>Howes</u>	<u>Surface</u>			<u>Surface</u>
<u>7"</u>	<u>22.9</u>	<u>8 rd</u>	<u>J-55</u>	<u>2299</u>	<u>Howes</u>	<u>Intermediate</u>			<u>Intermediate</u>
<u>4 1/2"</u>	<u>11.689.5</u>	<u>8 rd</u>	<u>J-55</u>	<u>2299</u>	<u>Baker</u>	<u>Prod liner</u>			<u>Prod liner</u>
<u>1 1/4"</u>	<u>2.4</u>	<u>10 rd</u>	<u>J-55</u>	<u>5920</u>		<u>Prod tubing</u>			<u>Prod 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>169</u>	<u>180</u>	<u>circulated</u>		
<u>7"</u>	<u>3978</u>	<u>300</u>	<u>single stage</u>		
<u>4 1/2"</u>	<u>3084-6183</u>	<u>260</u>	<u>single 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>5934-42,5982-90;</u> <u>6010-20,6086-98</u>		<u>Frac M.V. w/84,000 gal water & 60,000# sand.</u> <u>avg tr pr 1500#. I.R. 49 BPM. Flush 8106 gal - 4 stages - dropped</u> <u>2 sets of 15 balls and 1 set of 10 balls.</u>				

TOOLS USED

Rotary tools were used from 0 feet to 3978 feet, and from 3978 feet to 6187 feet

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

DATES

Put to producing 6-21, 1961

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 4,096,000 Gallons gasoline per 1,000 cu. ft. of gas _____Rock pressure, lbs. per sq. in. 1169 EMPLOYEES A.O.F. 4493 MCF/D

_____, Driller _____, Driller

_____, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
<u>0</u>	<u>3159</u>	<u>3159</u>	<u>Tan to gry cr-grn ss interbedded w/gry sh.</u>
<u>3159</u>	<u>3365</u>	<u>206</u>	<u>Ojo Alamo ss. White cr-grn s.</u>
<u>3365</u>	<u>3585</u>	<u>220</u>	<u>Kirtland form. Gry sh interbedded w/tight</u>
<u>3585</u>	<u>3793</u>	<u>208</u>	<u>gry fine-grn ss.</u>
<u>3793</u>	<u>3878</u>	<u>85</u>	<u>Fruitland form. Gry carb sh, scattered coals,</u>
<u>3878</u>	<u>5575</u>	<u>1697</u>	<u>coals and gry, tight, fine-grn ss.</u>
<u>5575</u>	<u>5674</u>	<u>99</u>	<u>Pictured Cliffs forms Gry, fine-grn, tight,</u>
<u>5674</u>	<u>5934</u>	<u>260</u>	<u>varicolored soft ss.</u>
<u>5934</u>	<u>6098</u>	<u>164</u>	<u>Lewis form. Gry, fine-grn, dense sil ss.</u>
<u>6098</u>	<u>6187</u>	<u>89</u>	<u>Cliff House ss. Gry, fine-grn, dense sil ss.</u>
			<u>Manefee form. Gry, fine-grn s, carb sh & coal</u>
			<u>Point Lookout form. Gry, very fine sil ss</u>
			<u>w/frequent sh breaks.</u>
			<u>Mancos form. Gry carb sh.</u>

