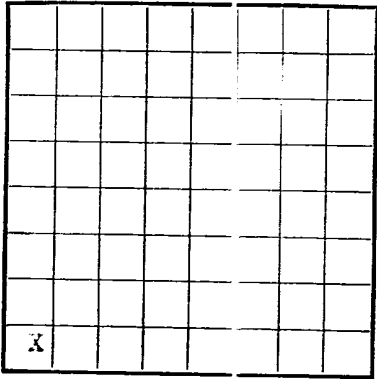


U. S. LAND OFFICE Santa Fe
SERIAL NUMBER 081028-A
LEASE OR PERMIT TO PROSPECT _____



LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company El Paso Natural Gas Company Address Box 997, Farmington, New Mexico
Lessor or Tract Sullivan Field Wildcat State New Mexico
Well No. 1-D Sec. 26 T. 26N R. 13W Meridian 10N County San Juan
Location 660 ft. N. of S Line and 660 ft. E. of W. Line of Section 26 Elevation 6240
(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. L. Ellsworth
Signed _____

Date December 23, 1956 Title Petroleum Engineer

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

Commenced drilling 10-27-56, 19____ Finished drilling 11-9-56, 19____

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 4595 to 5106 (G) 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. 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>5/8"</u>	<u>25.44</u>	<u>8.14</u>	<u>S.W.</u>	<u>161'</u>	<u>Howco</u>				<u>Surface</u>
<u>1 1/2"</u>	<u>15.6</u>	<u>8.14</u>	<u>A-55</u>	<u>5097'</u>	<u>Saker</u>				<u>Production</u>
<u>2"</u>	<u>18.7</u>	<u>8.14</u>	<u>A-55</u>	<u>5097'</u>	<u>Saker</u>				<u>Production</u>

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
<u>5/8"</u>	<u>173'</u>	<u>125</u>	<u>Circulated</u>		
<u>1 1/2"</u>	<u>5107'</u>	<u>300</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>See Well History.</u>			

TOOLS USED

Rotary tools were used from 0 feet to 5106 feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

11-21-56, 19____ Put to producing _____, 19____

The production for the first 24 hours was 161 barrels of fluid of which 100% was oil; _____% emulsion; _____% water; and _____% sediment. Gravity, °Bé. _____

If gas well, cu. ft. per 24 hours 62,000 Gallons gasoline per 1,000 cu. ft. of gas _____

Rock pressure, lbs. per sq. in. 0

EMPLOYEES

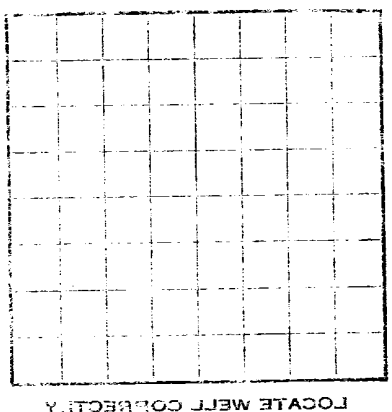
_____, Driller _____, Driller
_____, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
<u>0</u>	<u>1001</u>	<u>1001</u>	<u>Kirtland form. Gry sh interbedded w/tight gry fine-grn ss.</u>
<u>1001</u>	<u>1268</u>	<u>207</u>	<u>Fruitland form. Gry carb sh, scattered coals coals and gry, tight, fine-grn ss.</u>
<u>1268</u>	<u>1440</u>	<u>152</u>	<u>Pictured Cliffs form. Gry, fine-grn, tight, varicolored soft ss.</u>
<u>1440</u>	<u>1625</u>	<u>185</u>	<u>Lewis formation. Gry to white dense sh w/silty to shaly ss breaks.</u>
<u>1625</u>	<u>3763</u>	<u>2138</u>	<u>Mesa Verde form. Gry, fine-grn s, dense sh, ss. Carb sh & coal.</u>
<u>3763</u>	<u>3917</u>	<u>154</u>	<u>Point Lookout form. Gry, very fine sil ss w/frequent sh breaks.</u>
<u>3917</u>	<u>4595</u>	<u>778</u>	<u>Mancos formation. Gry carb sh.</u>
<u>4595</u>	<u>5106</u>	<u>413</u>	<u>Gallup form. Lt gry to brn calc carb micac glauco very fine gry ss w/irreg. interbed sh.</u>

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL



Company _____
Lessor or Tract _____
Well No. _____
Location _____
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 _____
Date _____

The summary on this page is for the condition of the well at above date.
Commenced drilling _____
Finished drilling _____

OIL OR GAS SANDS OR ZONES

No. 1 from _____ to _____
No. 2 from _____ to _____
No. 3 from _____ to _____

IMPORTANT WATER SANDS

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

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 "sidetracked" or left in the well, give its size and location. If the well has been dynamited, give date, 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. **11-13-56 C.O.T.D. 5059'. Part. Gelling 4666-4683 (6 in./ft.) and traced with 44,000 gallons oil and 30,000 water. Then with 5000 gallons oil, 1 in./ft. rate. 47.0 RM. Max. Cr. Pr. 1950'. Max. Nov. 1950'. Spotted 250 gallons NCA in casing before perforating.**

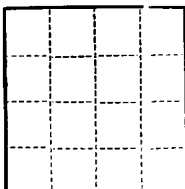
HISTORY OF OIL OR GAS WELL

FROM-		TO-		TOTAL FEET		FORMATION	
FORMATION RECORD		FORMATION		FORMATION		FORMATION	
EMPLOYEES		Driller		Driller		Driller	
DATES		But to producing		But to producing		But to producing	
TOOLS USED		Rotary tools were used from		Cable tools were used from		Cable tools were used from	
SHOOTING RECORD		Size		Depth shot		Depth cleaned out	
PLUGS AND ADAPTERS		Heavy plug—Material		Length		Depth set	
MUDDING AND CEMENTING RECORD		Weight		Method used		Amount of mud used	

(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office **Santa Fe**
Lease No. **081028-A**
Unit **Sullivan**



SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL.....	SUBSEQUENT REPORT OF WATER SHUT-OFF.....
NOTICE OF INTENTION TO CHANGE PLANS.....	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING.....
NOTICE OF INTENTION TO TEST WATER SHUT-OFF.....	SUBSEQUENT REPORT OF ALTERING CASING.....
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL.....	SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR.....
NOTICE OF INTENTION TO SHOOT OR ACIDIZE.....	SUBSEQUENT REPORT OF ABANDONMENT.....
NOTICE OF INTENTION TO PULL OR ALTER CASING.....	SUPPLEMENTARY WELL HISTORY.....
NOTICE OF INTENTION TO ABANDON WELL.....	

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

June 26, 197

Well No. **1-D** is located **660** ft. from **S** line and **660** ft. from **W** line of sec. **26**

SW Sec. 26 **26N** **13W** **N.M.P.M.**
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)
Risti Gallup Ext. **San Juan** **New Mexico**
(Filed) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is **6240** ft.

DETAILS OF WORK

(State names of any expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

This well was originally drilled and completed as the El Paso Natural Gas Co. Sullivan No. 1-D. This well and the operations thereof have since been transferred to El Paso Natural Gas Products Co., therefore the well will henceforth be known as the El Paso Natural Gas Products Co. Sullivan No. 1-D.



I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company **El Paso Natural Gas Products Co.**

Address **Box 997**

Farmington, New Mexico

By *[Signature]*

Title **Petroleum Engineer**

