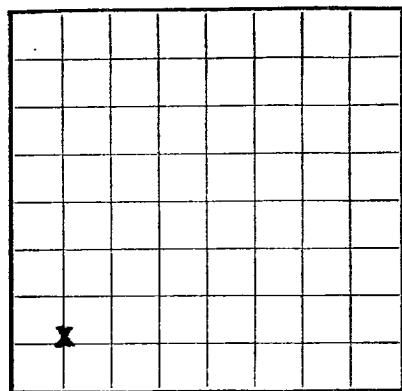
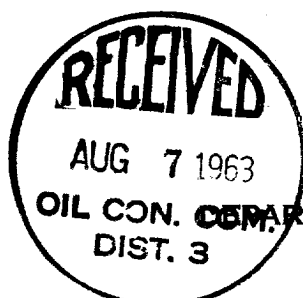




LOCATE WELL CORRECTLY



UNITED STATES

DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

U. S. LAND OFFICE **SF**SERIAL NUMBER **078874**

LEASE OR PERMIT TO PROSPECT

RECEIVED
AUG 6 1963U. S. GEOLOGICAL SURVEY
FARMINGTON, NEW MEXICO

LOG OF OIL OR GAS WELL

Company **El Paso Natural Gas Products Co.** Address **P. O. Box 1560, Farmington, New Mexico**Lessor or Tract **Canyon Largo Unit** Field **Devils Fork Gallup State** **New Mexico**Well No. **128** Sec. **6** T. **24N** R. **6W** Meridian **NMPM** County **Rio Arriba**Location **840** ft. **N.** of **S** Line and **840** ft. **E.** of **W** Line of **Section 6** Elevation **6713'**
(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.

Date **August 1, 1963** Signed **JOHN J. STROJEK** Title **Petroleum Engineer**

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

Commenced drilling **May 23, 1963** Finished drilling **June 2, 1963****OIL OR GAS SANDS OR ZONES**No. 1, from **5822'** to **5836'** No. 4, from **5822'** to **5836'**No. 2, from **5822'** to **5836'** No. 5, from **5822'** to **5836'**No. 3, from **5822'** to **5836'** No. 6, from **5822'** to **5836'**

IMPORTANT WATER SANDS

No. 1, from **5822'** to **5836'** No. 3, from **5822'** to **5836'**No. 2, from **5822'** to **5836'** No. 4, from **5822'** to **5836'**

CASING RECORD

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated		Purpose
							From—	To—	
8-5/8"	24.00	8.00	1.55	1685'	Beam Pump	5822'	5822'	5836'	Prod. Gg.
4-1/2"	10.50	8.00	1.55	5822'	Beam Pump	5822'	5822'	5836'	Prod. Gg.

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8-5/8"	176'	150	Circulated		
4-1/2"	5884'	150 - 1st Stage	Pump and		
		100 - 2nd Stage	Plug		

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
			See "Well History"			

TOOLS USED

Rotary tools were used from **0** feet to **5885** feet, and from _____ feet to _____ feet

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

DATES

June 8, 1963 Put to producing **July 18, 1963**The production for the first 24 hours was **43** barrels of fluid of which **100**% was oil; **0**% emulsion; **0**% water; and **0**% sediment. Gravity, °Bé. **39.0** API

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

Rock pressure, lbs. per sq. in. _____

EMPLOYEES

_____, Driller _____, Driller

_____, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	1685	1685	Wasatch Fm: Tan to gray coarse grained sandstone inbd. with gray shale.
1685	1880	195	Ojo Alamo ss: White, coarse grained sand.
1880	2005	125	Kirtland Fm: Gy. sh. inbd. with tight gy. FG ss.
2005	2287	282	Fruitland Fm: Gy. carb. sh., scat. coals, coals & gy. tight FG ss.
2287	2344	57	Pictured Cliffs ss: Gy., FG, tight varicolored soft ss.
2344	3827	1483	Lewis: Gy. to white ds. sh. w/silty to shaly ss. breaks.
3827	3892	65	Cliff House ss: Gy., FG, ds. silty ss.
3892	4551	659	Menefee Fm: Gy, FG sd, carb. sh. & coal.
4551	4760	209	Point Lookout ss: Gy., v/fn. silty ss with frequent shale breaks.
4760	5605	845	Mancos Sh: Gy. carb. shale.
5605	5885	280	Lwr. Gallup: Lt. gy. to brn. calc. carb. mic. glauconitic. Very fn. to med. gr. ss. w/irreg. inbd. shale.
TOPS ARE FROM ELECTRIC LOGS AND RADIOACTIVITY LOGS.			

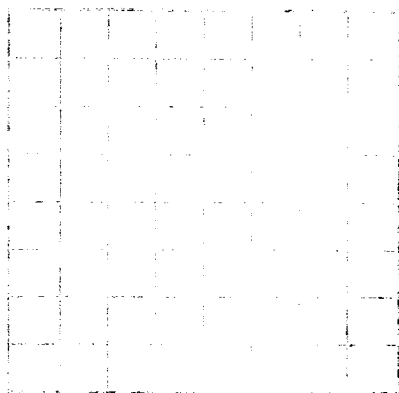
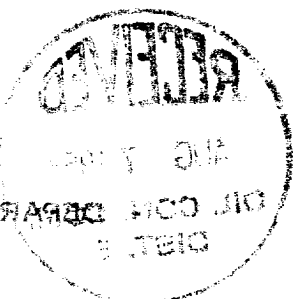
(OVER)

FORMATION RECORD—Continued

16-43004-4

LOG OF OIL OR GAS WELL

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY



Flowing Potential: Flowing 43 BOPD, 182 MCF/D, COK: 4191/1.
FTP 90, RCP 400, 15/44 choke ORIGINAL SIGNED BY: JOHN J. STROCK
This summary on this page is for the condition of the well as above shown
ahead of track job.
Average flowing pressure 2600 psi. Spotted 250 gal. of 15% MCA
Breakdown pressure 3300 psi. Sealing pressure 2900 psi.
Flushed with 4150 gal. of water. Injection Rate: 23.6 BPM.
Gels: 1000 cc. and 70,000 cc. of 0.05% Gel. Admixture Mark II.
Sandoil fractured Gallup perforated interval 5822'-5836' with 65,814
No. 1 from 5799'-5838'. Core No. 2 from 5799'-5838'. Cut 39'. Recovered 27' shale & 12' sand.
Core No. 1 from 5765'-5799'. Cut 34'. Recovered 34' shale.
IMPORTANT WATER SANDS

HISTORY OF OIL OR GAS WELL

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 size and location. If the well has been dynamited, give date, size, position, and number of shots. If pumps or bridges were put in to test for water, state date and material used, position, and results of pumping or bailing.

FROM		TO		TOTAL FEET		FORMATION	
5765'		5799'		34'		Shale	
5799'		5838'		39'		Sand	
5838'		5822'		16'		Shale	
5822'		5836'		14'		Shale	
5836'		5850'		14'		Shale	
5850'		5864'		14'		Shale	
5864'		5878'		14'		Shale	
5878'		5892'		14'		Shale	
5892'		5906'		14'		Shale	
5906'		5920'		14'		Shale	
5920'		5934'		14'		Shale	
5934'		5948'		14'		Shale	
5948'		5962'		14'		Shale	
5962'		5976'		14'		Shale	
5976'		5990'		14'		Shale	
5990'		6004'		14'		Shale	
6004'		6018'		14'		Shale	
6018'		6032'		14'		Shale	
6032'		6046'		14'		Shale	
6046'		6060'		14'		Shale	
6060'		6074'		14'		Shale	
6074'		6088'		14'		Shale	
6088'		6102'		14'		Shale	
6102'		6116'		14'		Shale	
6116'		6130'		14'		Shale	
6130'		6144'		14'		Shale	
6144'		6158'		14'		Shale	
6158'		6172'		14'		Shale	
6172'		6186'		14'		Shale	
6186'		6200'		14'		Shale	
6200'		6214'		14'		Shale	
6214'		6228'		14'		Shale	
6228'		6242'		14'		Shale	
6242'		6256'		14'		Shale	
6256'		6270'		14'		Shale	
6270'		6284'		14'		Shale	
6284'		6298'		14'		Shale	
6298'		6312'		14'		Shale	
6312'		6326'		14'		Shale	
6326'		6340'		14'		Shale	
6340'		6354'		14'		Shale	
6354'		6368'		14'		Shale	
6368'		6382'		14'		Shale	
6382'		6396'		14'		Shale	
6396'		6410'		14'		Shale	
6410'		6424'		14'		Shale	
6424'		6438'		14'		Shale	
6438'		6452'		14'		Shale	
6452'		6466'		14'		Shale	
6466'		6480'		14'		Shale	
6480'		6494'		14'		Shale	
6494'		6508'		14'		Shale	
6508'		6522'		14'		Shale	
6522'		6536'		14'		Shale	
6536'		6550'		14'		Shale	
6550'		6564'		14'		Shale	
6564'		6578'		14'		Shale	
6578'		6592'		14'		Shale	
6592'		6606'		14'		Shale	
6606'		6620'		14'		Shale	
6620'		6634'		14'		Shale	
6634'		6648'		14'		Shale	
6648'		6662'		14'		Shale	
6662'		6676'		14'		Shale	
6676'		6690'		14'		Shale	
6690'		6704'		14'		Shale	
6704'		6718'		14'		Shale	
6718'		6732'		14'		Shale	
6732'		6746'		14'		Shale	
6746'		6760'		14'		Shale	
6760'		6774'		14'		Shale	
6774'		6788'		14'		Shale	
6788'		6802'		14'		Shale	
6802'		6816'		14'		Shale	
6816'		6830'		14'		Shale	
6830'		6844'		14'		Shale	
6844'		6858'		14'		Shale	
6858'		6872'		14'		Shale	
6872'		6886'		14'		Shale	
6886'		6900'		14'		Shale	
6900'		6914'		14'		Shale	
6914'		6928'		14'		Shale	
6928'		6942'		14'		Shale	
6942'		6956'		14'		Shale	
6956'		6970'		14'		Shale	
6970'		6984'		14'		Shale	
6984'		6998'		14'		Shale	
6998'		7012'		14'		Shale	
7012'		7026'		14'		Shale	
7026'		7040'		14'		Shale	
7040'		7054'		14'		Shale	
7054'		7068'		14'		Shale	
7068'		7082'		14'		Shale	
7082'		7096'		14'		Shale	
7096'		7110'		14'		Shale	
7110'		7124'		14'		Shale	
7124'		7138'		14'		Shale	
7138'		7152'		14'		Shale	
7152'		7166'		14'		Shale	
7166'		7180'		14'		Shale	
7180'		7194'		14'		Shale	
7194'		7208'		14'		Shale	
7208'		7222'		14'		Shale	
7222'		7236'		14'		Shale	
7236'		7250'		14'		Shale	
7250'		7264'		14'		Shale	
7264'		7278'		14'			