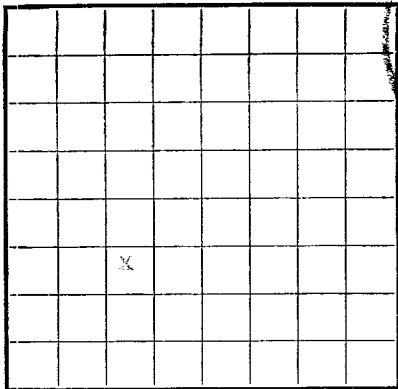


U. S. LAND OFFICE
SERIAL NUMBER
LEASE OR PERMIT TO PROSPECT

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company El Paso Natural Gas Products Co. Address Farmington, New Mexico
Lessor or Tract Brookhaven Field Dist. Lower Gallup State New Mexico
Well No. 3-A Sec. 29 T. 25N R. 10W Meridian NMPM County San Juan
Location 1650 ft. N. of 2 Line and 1550 ft. E. of W Line of Section 29 Elevation 5731
(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 BY: JOSEPH E. KREGER

Date January 24, 1957 Title Petroleum Engineer

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

Commenced drilling 7-7, 1957 Finished drilling 11-24, 1957

OIL OR GAS SANDS OR ZONES
(Denote gas by G)

No. 1, from 5228 to 5240 No. 4, from _____ to _____
No. 2, from 5253 to 5270 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—	
10-3/4	32.75	PE	SW	152	Baker				Surface
8-1/2	15.50	8 RW	J-55	5317	Baker		5228	5270	Prod. Use

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
10-3/4	173	150	Circulated		
8-1/2	5317	300	Single stage		

PLUGS AND ADAPTERS

Heaving plug—Material _____ Length _____ Depth set _____
Adapters—Material Baker EOJ Packer Size 8-1/2 @ 5179

SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out
		SEE REMARKS				

TOOLS USED

Rotary tools were used from 0 feet to 5330 feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

11-13, 1957 Put to producing 11-24, 1957

The production for the first 24 hours was 490 barrels of fluid of which 100 % was oil; _____ % emulsion; _____ % water; and _____ % sediment. Gravity, 28.6 API 10.2

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	725	725	Interbedded ss and sh.
725	807	82	Ujo Alamo ss. white or-gra s.
807	1345	538	Kirtland form. Gry sh interbedded w/tight gry fine-gra ss.
1345	1596	251	Fruitland form. Gry carb ss., scattered coals, coals and gry, tight, fine-gra ss.
1596	1763	167	Cliffed Cliffs form. Gry, fine-gra tight, vari-colored soft ss.
1763	2400	637	Lewis formation. Gry to white, loose sh w/silty to shaly ss breaks.
2400	3040	1640	Mesa Verde form. Gry, fine-gra, dense sil ss., carb. sh and coal.
3040	4235	1195	Point Lookout form. Gry, very fine sil ss w/frequent sh breaks.
4235	5060	825	Mancos formation. Gry carb. sh.
5060	5330	270	Gallup form. Lt gry to brn calc carb micac, glauco very fine gry sh w/interg. interbed. sh.
			Tops are from Electric Logs and Radioactivity Logs.

100-110-110

... ..
... ..
... ..
... ..

HISTORY OF OIL OR GAS WELL

U. S. GOVERNMENT PRINTING OFFICE 16-48094-2

[illegible]

U. S. LAND OFFICE SP
SERIAL NUMBER 073621
LEASE OR PERMIT TO PROSPECT _____

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company El Paso Natural Gas Products Co. Address Farmington, New Mexico
Lessor or Tract Brookhaven Field Dist Lower Gallup State New Mexico
Well No. 3-A Sec. 29 T. 25N R. 10W Meridian NMPM County San Juan
Location 1650 ft. N. of S. Line and 1650 ft. E. of W. Line of Section 29 Elevation 6731
(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 BY: JOSEPH E. KREGER

Date January 24, 1953 Title Petroleum Engineer

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

Commenced drilling 7-7, 1957 Finished drilling 7-13, 1957

OIL OR GAS SANDS OR ZONES
(Denote gas by G)

No. 1, from 5228 to 5240 No. 4, from _____ to _____
No. 2, from 5258 to 5270 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—	
10-3/4	32.75	PE	SW	152	Baker				Surface
8-1/2	15.50	8 R.L.	J-55	5317	Baker		5228	5270	Prod. Csg.

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
10-3/4	173	150	Circulated		
8-1/2	5319	300	Single Stage		

PLUGS AND ADAPTERS

Heaving plug—Material _____ Length _____ Depth set _____
Adapters—Material Baker EOJ Packer Size 8-1/2 @ 5179

SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out
		SEE "REMARKS"				

TOOLS USED

Rotary tools were used from 0 feet to 5330 feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

11-13, 1957 Put to producing 11-24, 1957

The production for the first 24 hours was 490 barrels of fluid of which 100 % was oil; _____ %
emulsion; _____ % water; and _____ % sediment. Gravity, 90.6 API 40.2

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	725	725	Interbedded ss and sn.
725	807	82	Ojo Alamo ss. White cr-gra s.
807	1345	538	Kirtland form. Gry sh interbedded w/tight gry fine-grn ss.
1345	1596	251	Fruitland form. Gry carb sn, scattered coals, coals and gry, tight, fine grn ss.
1596	1763	167	Pictured Cliffs form. Gry, fine gry tight, vari-colored soft ss.
1763	2400	637	Lewis formation. Gry to white lease sh w/silty to snaly ss breaks.
2400	4046	1646	Mesa Verde form. Gry, fine-grn, dense sil ss., carb. sh and coal.
4046	4235	189	Point Lookout form. Gry, very fine sil ss w/frequent sh breaks.
4235	5060	825	Mancos formation. Gry carb. sh.
5060	5330	270	Gallup form. Lt gry to brn calc carb micac glauco very fine gry ss w/irreg. interbed. sh.
			Tops are from Electric Logs and Radioactivity Logs.

