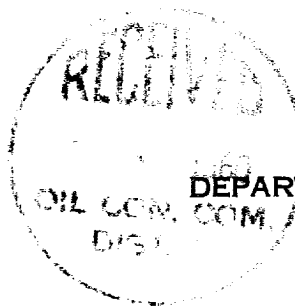


A 10x10 grid with an 'X' in the 7th column and 3rd row from the top-left corner.



UNITED STATES

DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

U. S. GEOLOGICAL SURVEY
ALBUQUERQUE, NEW MEXICO

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company El Paso Natural Gas Company Address Box 990 Farmington, New Mexico
Lessor or Tract Jicarilla Field Ballard P.C. Ext. State New Mexico
Well No. 4-A Sec. 15 T. 24N R. 5 W Meridian N.M.P.M. County Rio Arriba
Location 1550 ft. N. of S Line and 840 ft. W. of E Line of Sec. 15 Elevation 6617
(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.

so far as can be determined from an available records.

Signed _____ Original Signed By: D.H. Oheim

Date August 2, 1960 Title Petroleum Engineer

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

Commenced drilling 5-22-----, 1960 Finished drilling 5-25------, 1960

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 2372 to 2464(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. 2, from _____ to _____

No. 3, from _____ to _____

No. 4, from _____ to _____

CASING RECORD

[illegible]

MUDDING AND CEMENTING RECORD

	Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
MARK	8 5/8"	128	134	circulated		
	2 7/8"	2499	92	single stage		

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 2500 feet, and from _____ feet to _____ feet

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

DATES

-----6-2-----, 1960----- 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 200,000 ----- Gallons gasoline per 1,000 cu. ft. of gas -----

Rock pressure, lbs. per sq. in. 728----- A.O.F. - 209 MCF/D

EMPLOYEES

_____, Driller

_____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
Und.	2044	2044	Tan to gry cr-grn ss interbedded w/gry sh.
2044	2217	173	Ojo Alamo ss. White cr-grn s.
2217	2370	153	Kirtland form. Gry sh interbedded w/tight gry fine-grn ss
2370	2464	94	Fruitland form. Gry carb sh, scattered coals, coals and gry, tight, fine-grn ss.
2464	2500	36	Pictured Cliffs forms gry, fine-grn, tight, varicolored soft ss.
			Lewis form. gry, fine-grn, dense sil ss.

[OVER]

EDMUNDSON RECORD-COLUMBIAN

16-48094-1

(20/11/87)

HISTORY OF OIL OR GAS WELL

U. S. GOVERNMENT PRINTING OFFICE: 1969-2-55094-7

FROM	TO	TOTAL FEET	FORMATION
			1. 0-10' Sandstone, yellowish, medium grained, somewhat silty, contains small pebbles of quartz and chert. 2. 10-20' Sandstone, yellowish, medium grained, somewhat silty, contains small pebbles of quartz and chert. 3. 20-30' Sandstone, yellowish, medium grained, somewhat silty, contains small pebbles of quartz and chert. 4. 30-40' Sandstone, yellowish, medium grained, somewhat silty, contains small pebbles of quartz and chert. 5. 40-50' Sandstone, yellowish, medium grained, somewhat silty, contains small pebbles of quartz and chert. 6. 50-60' Sandstone, yellowish, medium grained, somewhat silty, contains small pebbles of quartz and chert. 7. 60-70' Sandstone, yellowish, medium grained, somewhat silty, contains small pebbles of quartz and chert. 8. 70-80' Sandstone, yellowish, medium grained, somewhat silty, contains small pebbles of quartz and chert. 9. 80-90' Sandstone, yellowish, medium grained, somewhat silty, contains small pebbles of quartz and chert. 10. 90-100' Sandstone, yellowish, medium grained, somewhat silty, contains small pebbles of quartz and chert.