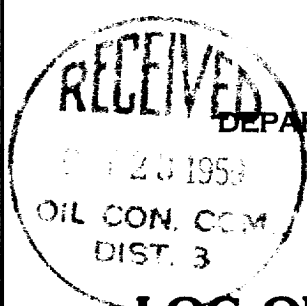


U. S. LAND OFFICE Jicarilla Apache
SERIAL NUMBER Cont. #36
LEASE OR PERMIT TO PROSPECT _____



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company El Paso Natural Gas Company Address Box 997, Farmington, New Mexico
 Lessor or Tract Jicarilla Field Ballard P.C. State New Mexico
 Well No. 3-A Sec. 22 T. 44N R. 5W Meridian N.M.P.M. County Rio Arriba
 Location 990 ft. (N) of N Line and 925 ft. (W) of a Line of Section 22 Elevation 6694

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.H. MEANS
Signed _____

Date October 19, 1959 Title Petroleum Engineer

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

Commenced drilling ----- 8-10-----, 1950 Finished drilling ----- 8-21-----, 1959

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from ~~2403~~ to ~~2507 (6)~~ 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—	
8 7/8	12.2	6 RHR	0-99	0.10	Steel	Well No. 1	From surface	To bottom	Siphon
5 1/2	15.5	6 RHR	0-99	0.10	Steel	Well No. 1	From surface	To bottom	Siphon
					HIGHLY OILY OR GREASY MENT				
1 1/4	2.4	10 AG.	Grade A	2477					Siphon

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8 5/8	124	105	Circulated		
5 1/2	2523	75	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 2523 feet, and from _____ feet to _____ feet.
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet.

DATES

-----9-11-----, 19--59 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 1,020,000 Gallons gasoline per 1,000 cu. ft. of gas

Rock pressure, lbs. per sq. in. _____

A.O.F. = 1034 MCF/D

685 EMPLOYEES A.C.F. = 1034 MCF/D

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

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	1875	1875	Tan to gry cr-grn ss interbedded w/gry sh.
1875	2041	166	Ojo Alamo ss. White cr-grn s.
2041	2290	249	Kirtland form. Gry sh interbedded w/tight gry fine-grn ss.
2290	2403	113	Fruitland form. Gry carb sh, scattered coals, coals and gry, tight, fine-grn ss.
2403	2507	104	Pictured Cliffs form. Gry, fine-grn, tight, varicolored soft ss.
2507	2523	16	Levis formation. Gry to white dense sh w/silty to shaly ss breaks.

U.S. Land Office
Serial Number
Date of Permit to Prospect

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

FOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

[illegible]

The information given herewith is a complete and correct record of the well and all work done thereon. It was determined from all available records.

Address _____
 State _____
 County _____
 Field _____
 Section _____
 Township _____
 Range _____
 Meridian _____
 Well No. _____
 Date of _____
 of _____
 and _____
 of _____
 Date of _____
 Information _____

The warranty on this page is for the condition of the well as above date.

Oil or Gas Sands or Zones

(2) *red and stars()*

No. 1 from	to	No. 4 from	to
No. 2 from	to	No. 3 from	to
No. 3 from	to	No. 6 from	to

9-C-26 total weight 2523 : C.O.I. 058785 RECORDED
INT. 2410-2416; 2460-2466; 2478-2485 W/34 566 GAT. WATER & 35,000# SAND.
AND DR. 3100#, MAX. DR. 3100#, SAG. CR. 900-1600-1750#. I.B. 49.6 BEM.
FINISH 3000 GAT. TO 3 STAGES - DROPPED 2 SECS OF 25 BALLS EACH. SPOTTED 200
GUT NCA BEFORE PERFORMANCE. TESTED WITH POTASSIUM CHLORIDE IN FINE WATER.

Number of shots	Weight of shot	Through bar iron	Weight	Amount	Kind of shoe	Lat and pulled from	From To—	Remarks
It is of the greatest importance to have a complete history of the well. 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, size, 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.								

HISTORY OF OIL OR GAS WELL

U. S. GOVERNMENT PRINTING OFFICE

MILKING AND CEMENTING RECORD

[illegible][illegible]

ОЯСОЯ ОИТООНА

100 percent shaped	100 percent shaped	State	Community	100 percent shaped	State	Community

OPEN ROOF

test	at test	most has test	test and from	at test	most has test	test and from
test	at test	most has test	test and from	at test	most has test	test and from

REF: 100

Flow pressure, lbs. per sq. in.	
Lift, ft. per 24 hours	
Amount of water; and	
% sediment	
The production for the first 24 hours was	
barrels of fluid of which % was oil;	
First to producing	19

EMPLOYEES,

Driller	Driller	
Driller	Driller	

FORMATION RECORD

FORMATION	TOTAL FEET	TO--	FROM--
1. 0-10' Sandstone, gray, medium bedded, with thin layers of shale and siltstone. (10-15' thick)	10	10-15'	10-15'
2. 10-20' Sandstone, gray, medium bedded, with thin layers of shale and siltstone. (10-15' thick)	10	10-20'	10-20'
3. 20-30' Sandstone, gray, medium bedded, with thin layers of shale and siltstone. (10-15' thick)	10	20-30'	20-30'
4. 30-40' Sandstone, gray, medium bedded, with thin layers of shale and siltstone. (10-15' thick)	10	30-40'	30-40'
5. 40-50' Sandstone, gray, medium bedded, with thin layers of shale and siltstone. (10-15' thick)	10	40-50'	40-50'
6. 50-60' Sandstone, gray, medium bedded, with thin layers of shale and siltstone. (10-15' thick)	10	50-60'	50-60'
7. 60-70' Sandstone, gray, medium bedded, with thin layers of shale and siltstone. (10-15' thick)	10	60-70'	60-70'
8. 70-80' Sandstone, gray, medium bedded, with thin layers of shale and siltstone. (10-15' thick)	10	70-80'	70-80'
9. 80-90' Sandstone, gray, medium bedded, with thin layers of shale and siltstone. (10-15' thick)	10	80-90'	80-90'
10. 90-100' Sandstone, gray, medium bedded, with thin layers of shale and siltstone. (10-15' thick)	10	90-100'	90-100'

FORMATION RECORD—Continued