

[illegible]

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OIL CON. COM.
DIST. 3
DEPA

U. S. LAND OFFICE ----- SF
SERIAL NUMBER ----- 079439
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LETTER TO PROSPECT
RECEIVED

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

11 1958

ZOOLOGICAL SURVEY
ALBUQUERQUE, NEW MEXICO

LOCATE WELL CORRECTLY

Company El Paso Natural Gas Products Co. Address Box 1565, Farmington, New Mexico
 Lessor or Tract Horseshoe Canyon Field Horseshoe Callup State New Mexico
 Well No. 4-E Sec. 4 T. 30N R. 16W Meridian NMPM County San Juan
 Location 400 ft. SR of N Line and 4435 ft. EX of E Line of Section 4 Elevation 5322
 (Derect foot 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 December 15, 1958

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

Commenced drilling November 11, 1958 Finished drilling November 15, 1958

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 1072' to 1109' No. 4, from _____ to _____
 No. 2, from 1172' to 1212' 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
8-5/8"	103	100	Circulated		
5-1/2"	1281	100	Single Stage		

PLUGS AND ADAPTERS

Heaving plug—Material _____ Length _____ Depth set _____
Adapters—Material _____ Size _____

SHOOTING RECORD

[illegible]

TOOLS USED

Rotary tools were used from 0 feet to 1243 feet, and from _____ feet to _____ feet.

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

DATES

November 21, 1958 Put to producing December 7, 1958

The production for the first 24 hours was 117 barrels of fluid of which 100 % was oil; ----- % emulsion; ----- % water; and ----- % sediment. Gravity, °Bé. 94.1 at 60°

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	848	848	Mancos Form. Gy. carb. shale.
848	1222	374	Gallup Form. Lt. gy. to brn. calc. carb. micaceous glauconitic. Very fn. to med. gr. ss. w/irreg. interbedded shale.
1222	1283	61	Sanastee Form. Dk. gy. calc. v/fn. to fn. gy. ss. w/calc. veins, w/irreg. intbd. dk. gy. sd.
TOPS ARE FROM ELECTRIC LOGS AND RADIOACTIVITY LOGS.			

U.S. LAND OFFICER

SERIAL NUMBER

PLEASE DO NOT WRITE ON THIS PAGE

UNITED STATES

DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

LOG 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 so far as can be determined from all available records.

Signed _____

CERTIFICATE SIGNED BY JOSEPH E. KREGER

Location ft. [S.] of [N.] Line and [E.] of [W.] {
of [] Line of []
[]
Elevation []
County [] State []
Lessor or Tract []
Well No. [] Sec. [] T. [] R. [] Meridian []
Address []
Company []

Date: _____

Tutor: _____

Name: _____

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

Commenced drilling		Finished drilling	
19	1900	19	1900
1	1	1	1
2	2	2	2
3	3	3	3
4	4	4	4
5	5	5	5
6	6	6	6
7	7	7	7
8	8	8	8
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92	92	92	92
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98	98	98	98
99	99	99	99
100	100	100	100

No 311-21-58
 Temporary Bridge Aug @ 11:40: Cannon fractured interval 1072'-1109'
 with 21,000 psi; oil & 25,000 (20-40) sand, then with 1250 psi. oil.
 Injection Rate--51.0 bbls./min. Maximum Treating Pressure--960 psi;
 Breakdown Pressure--1200 psi. Average Treating Pressure--850 psi.
 Injected 37 rubber balls during treatment.
 Off 05-22-58 08:00 PM

25,000# (20-40) sand, 1000 gals. oil. Injection Rate--	No. 2, from
32.9 holes/min. Maximum Thrusting Pressure--1050 psi Breakdown	No. 1, from
Pressure--850 psi Average Thrusting Pressure--900 psi to injected	
40 rubber balls per day through treatment	
IMPORTANT WATER SANDS	

Casing per foot	Weight per inch	Threads per inch	Makes	Amount	Kind of shoe	Cut and pulled from	From— To—	Purpose

IT-21-58

Sandhill fractured part. Interval 1173'-1212'. With 17,600 gals. oil.

HISTORY OF OIL OR GAS WELL

U. S. GOVERNMENT PRINTING OFFICE 16-55087-2

MURDERING AND CEMENTING RECORD

[illegible]

PLUGS AND ADAPTERS

Heaving plug—Material	Length	Depth set
Adapters—Material <td>Size <td></td> </td>	Size <td></td>	

SHOOTING RECORD

Size	Shells used	Explosives used	Quantity	Date	Depth and	Depth cleaned out

TOOLS USED

Rotary tools were used from	feet to	feet and from	feet to
Cable tools were used from	feet to	feet and from	feet to

DATE

It gas well, cu. ft. per 24 hours	emulsion; % water; and % sediment.	The production for the first 24 hours was	Put to producing
Gallons gasoline per 1,000 cu. ft. of gas	Gravity, °Be.	barrels of fluid of which % was oil; %	19

EMPLOYEES

	Diller		Diller
	Diller		Diller

FORMATION RECORD

FORMATION	TOTAL FEET	TO—	FROM—
1. ...	10	100	0
2. ...	10	110	10
3. ...	10	120	110

FORMATION RECORD—Continued

4-2084--B1

OVER!

TOTAL FEET

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—WOTI