

NEW MEXICO OIL CONSERVATION COMMISSION

Santa Fe, New Mexico

It is necessary that Form C-104 be approved before this form can be approved and an initial allowable be assigned to any completed Oil or Gas well. Submit this form in QUADRUPLICATE.

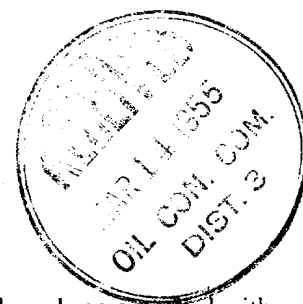
CERTIFICATE OF COMPLIANCE AND AUTHORIZATION  
TO TRANSPORT OIL AND NATURAL GAS

Company or Operator El Paso Natural Gas Company Lease Casa  
Address Box 997, Farmington, New Mexico El Paso, Texas  
(Local or Field Office) (Principal Place of Business)  
Unit M, Well(s) No. 3, Sec. 17, T. 31N, R. 11W, Pool Blanco  
County San Juan Kind of Lease: Federal  
If Oil well Location of Tanks None  
Authorized Transporter El Paso Natural Gas Company Address of Transporter  
Farmington, New Mexico El Paso, Texas  
(Local or Field Office) (Principal Place of Business)  
Per cent of Oil or Natural Gas to be Transported 100 Other Transporters authorized to transport Oil or ~~Natural Gas~~  
from this unit are Males Products Inc.

REASON FOR FILING: (Please check proper box)

NEW WELL ☒ CHANGE IN OWNERSHIP ☐  
CHANGE IN TRANSPORTER ☐ OTHER (Explain under Remarks) ☐

REMARKS:



The undersigned certifies that the Rules and Regulations of the Oil Conservation Commission have been complied with.

Executed this the 11 day of March, 19 55

El Paso Natural Gas Company

Approved MAR 14 1955, 19.....

OIL CONSERVATION COMMISSION

By [Signature]

Petroleum Engineer

By ORIGINAL SIGNED BY  
Title PETROLEUM ENGINEER DIST. NO. 3

[Signature: S. V. Roberts]

(See Instructions on Reverse Side)

## INSTRUCTIONS

This form shall be executed and filed in QUADRUPLICATE with the District Office of the Oil Conservation Commission, covering each unit from which oil or gas is produced. A separate certificate shall be filed for each transporter authorized to transport oil or gas from a unit. After said certificate has been approved by the Oil Conservation Commission, one copy shall be forwarded to the transporter, one copy returned to the producer, and two copies retained by the Oil Conservation Commission.

A new certificate shall be filed to cover each change in operating ownership and each change in the transporter, except that in the case of a temporary change in the transporter involving less than the allowable production for one proration period, the operator shall in lieu of filing a new certificate notify the Oil Conservation Commission District Office, and the transporter authorized by certificate on file with the Commission, by letter of the estimated amount of oil or gas to be moved by the transporter temporarily moving oil or gas from the unit and the name of such temporary transporter and a copy of such notice shall also be furnished such temporary transporter. Such temporary transporter shall not move any more oil or gas than the estimated amount shown in said notice.

This certificate when properly executed and approved by the Oil Conservation Commission shall constitute a permit for pipe line connection and authorization to transport oil and gas from the property named therein and shall remain in full force and effect until

- (a) Operating ownership changes
- (a) The transporter is changed or
- (c) The permit is cancelled by the Commission.

If any of the rules and regulations of the Oil Conservation Commission have not been complied with at the same time this report is filed, explain fully under the heading "REMARKS."

In all cases where this certificate is filed to cover a change in operating ownership or a change in the transporter designated to move oil or gas, show under "REMARKS" the previous owner or operator and the transporter previously authorized to transport oil or gas.

A separate report shall be filed to cover each producing unit as designated by the Oil Conservation Commission.

OIL CONSERVATION COMMISSION		
AZTEC DISTRICT OFFICE		
No. Copies Received		
DISTRIBUTION		
	NO. FURNISHED	
Operator	1	
Santa Fe	1	
Proration Office		
State Land Office		
U. S. G. S.		
Transporter	2	
File	1	✓

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

## LOCATE WELL CORRECTLY

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 D. C. Johnston

Date March 11, 1955

Title Petroleum Engineer

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

Commenced drilling February 6, 1955 Finished drilling February 22, 1955

## OIL OR GAS SANDS OR ZONES

(Denote gas by  $G$ )

No. 1, from 2734 to 2848 (G) No. 4, from 4567 to 5142 (G)  
No. 2, from 4330 to 4567 (G) No. 5, from 4567 to 4967 (G)  
No. 3, from 4567 to 4967 (G) No. 6, from 4567 to 4967 (G)

## IMPORTANT WATER SANDS

No. 1, from \_\_\_\_\_ to \_\_\_\_\_

No. 2, from \_\_\_\_\_ to \_\_\_\_\_

No. 3, from \_\_\_\_\_ to \_\_\_\_\_

No. 4, from \_\_\_\_\_ to \_\_\_\_\_

## CASING RECORD

CASING RECORD								
Size casing	Weight per foot	Threads per inch	Make	Length	Company	Cut and pulled from	Perforated	Purpose
							From	To
9 5/8	25.47	8 W.	Arco	162'	Howco			Surface
7"	23 1/2	8 RD	J-55	988'				
7"	20 1/2	8 RD	J-55	387'				
It is of the greatest importance to have a complete record of the well.								
2" EUE	4.74	8 RD	National	5130'				Producing

## MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
9 5/8	17 1/2'	125	Circulated		
7	4870	500	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
	<b>See Well History</b>					

## TOOLS USED

**TOOLS USED**

Rotary tools were used from -----0----- feet to -----4870----- feet, and from -----4870----- feet to -----5150----- feet.

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

## DATES

----- February 24 -----, 1955 ----- 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 ----- 3,311,000 ----- Gallons gasoline per 1,000 cu. ft. of gas -----  
 Rock pressure, lbs. per sq. in. ----- 1026 -----

## EMPLOYEES

\_\_\_\_\_, Driller \_\_\_\_\_, Driller  
\_\_\_\_\_, Driller \_\_\_\_\_, Driller

## FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	610	610	Tan cr-grn ss w/thin sh breaks.
610	1127	517	Variegated sh w/thin ss breaks.
1127	1960	833	Tan to gry cr-grn ss interbedded w/gry sh.
1960	1985	25	Ojo Alamo ss. White cr-grn s.
1985	2285	300	Kirtland form. Gry sh interbedded w/tight gry fine-grn ss.
2285	2734	449	Fruitland form. Gry carb sh, scattered coals coals and gry, tight, fine-grn ss.
2734	2848	114	Pictured Cliffs form. Gry, fine-grn, tight varicolored soft ss.
2848	4330	1482	Lewis form. Gry to white dense sh w/silty to shaly ss breaks.
4330	4567	237	Cliff House ss. Gry, fine-grn, dense sil ss.
4567	4967	400	Manatee form. Gry, fine-grn s, carb sh & coal.
4967	5142	175	Point Lookout form. Gry, very fine sil ss w/frequent sh breaks.
5142	5150	8	Mancos Formation. Gry carb sh.

LOG OF OIL OR GAS WELL  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY  
UNITED STATES

Location of well (County, State, Township, Range, Section, and Corner of Section)  
Name of landowner or person in possession of land  
Name of person who drilled or caused to be drilled  
Date of drilling  
The information given herewith is a complete and correct record of the well and all work done thereon.  
Signed \_\_\_\_\_  
Title \_\_\_\_\_

OIL OR GAS SANDS OR ZONES

From	To	Thickness	Remarks
10.0	10.5	0.5	
10.5	11.0	0.5	
11.0	11.5	0.5	
11.5	12.0	0.5	
12.0	12.5	0.5	
12.5	13.0	0.5	
13.0	13.5	0.5	
13.5	14.0	0.5	
14.0	14.5	0.5	
14.5	15.0	0.5	
15.0	15.5	0.5	
15.5	16.0	0.5	
16.0	16.5	0.5	
16.5	17.0	0.5	
17.0	17.5	0.5	
17.5	18.0	0.5	
18.0	18.5	0.5	
18.5	19.0	0.5	
19.0	19.5	0.5	
19.5	20.0	0.5	
20.0	20.5	0.5	
20.5	21.0	0.5	
21.0	21.5	0.5	
21.5	22.0	0.5	
22.0	22.5	0.5	
22.5	23.0	0.5	
23.0	23.5	0.5	
23.5	24.0	0.5	
24.0	24.5	0.5	
24.5	25.0	0.5	
25.0	25.5	0.5	
25.5	26.0	0.5	
26.0	26.5	0.5	
26.5	27.0	0.5	
27.0	27.5	0.5	
27.5	28.0	0.5	
28.0	28.5	0.5	
28.5	29.0	0.5	
29.0	29.5	0.5	
29.5	30.0	0.5	
30.0	30.5	0.5	
30.5	31.0	0.5	
31.0	31.5	0.5	
31.5	32.0	0.5	
32.0	32.5	0.5	
32.5	33.0	0.5	
33.0	33.5	0.5	
33.5	34.0	0.5	
34.0	34.5	0.5	
34.5	35.0	0.5	
35.0	35.5	0.5	
35.5	36.0	0.5	
36.0	36.5	0.5	
36.5	37.0	0.5	
37.0	37.5	0.5	
37.5	38.0	0.5	
38.0	38.5	0.5	
38.5	39.0	0.5	
39.0	39.5	0.5	
39.5	40.0	0.5	
40.0	40.5	0.5	
40.5	41.0	0.5	
41.0	41.5	0.5	
41.5	42.0	0.5	
42.0	42.5	0.5	
42.5	43.0	0.5	
43.0	43.5	0.5	
43.5	44.0	0.5	
44.0	44.5	0.5	
44.5	45.0	0.5	
45.0	45.5	0.5	
45.5	46.0	0.5	
46.0	46.5	0.5	
46.5	47.0	0.5	
47.0	47.5	0.5	
47.5	48.0	0.5	
48.0	48.5	0.5	
48.5	49.0	0.5	
49.0	49.5	0.5	
49.5	50.0	0.5	
50.0	50.5	0.5	
50.5	51.0	0.5	
51.0	51.5	0.5	
51.5	52.0	0.5	
52.0	52.5	0.5	
52.5	53.0	0.5	
53.0	53.5	0.5	
53.5	54.0	0.5	
54.0	54.5	0.5	
54.5	55.0	0.5	
55.0	55.5	0.5	
55.5	56.0	0.5	
56.0	56.5	0.5	
56.5	57.0	0.5	
57.0	57.5	0.5	
57.5	58.0	0.5	
58.0	58.5	0.5	
58.5	59.0	0.5	
59.0	59.5	0.5	
59.5	60.0	0.5	
60.0	60.5	0.5	
60.5	61.0	0.5	
61.0	61.5	0.5	
61.5	62.0	0.5	
62.0	62.5	0.5	
62.5	63.0	0.5	
63.0	63.5	0.5	
63.5	64.0	0.5	
64.0	64.5	0.5	
64.5	65.0	0.5	
65.0	65.5	0.5	
65.5	66.0	0.5	
66.0	66.5	0.5	
66.5	67.0	0.5	
67.0	67.5	0.5	
67.5	68.0	0.5	
68.0	68.5	0.5	
68.5	69.0	0.5	
69.0	69.5	0.5	
69.5	70.0	0.5	
70.0	70.5	0.5	
70.5	71.0	0.5	
71.0	71.5	0.5	
71.5	72.0	0.5	
72.0	72.5	0.5	
72.5	73.0	0.5	
73.0	73.5	0.5	
73.5	74.0	0.5	
74.0	74.5	0.5	
74.5	75.0	0.5	
75.0	75.5	0.5	
75.5	76.0	0.5	
76.0	76.5	0.5	
76.5	77.0	0.5	
77.0	77.5	0.5	
77.5	78.0	0.5	
78.0	78.5	0.5	
78.5	79.0	0.5	
79.0	79.5	0.5	
79.5	80.0	0.5	
80.0	80.5	0.5	
80.5	81.0	0.5	
81.0	81.5	0.5	
81.5	82.0	0.5	
82.0	82.5	0.5	
82.5	83.0	0.5	
83.0	83.5	0.5	
83.5	84.0	0.5	
84.0	84.5	0.5	
84.5	85.0	0.5	
85.0	85.5	0.5	
85.5	86.0	0.5	
86.0	86.5	0.5	
86.5	87.0	0.5	
87.0	87.5	0.5	
87.5	88.0	0.5	
88.0	88.5	0.5	
88.5	89.0	0.5	
89.0	89.5	0.5	
89.5	90.0	0.5	
90.0	90.5	0.5	
90.5	91.0	0.5	
91.0	91.5	0.5	
91.5	92.0	0.5	
92.0	92.5	0.5	
92.5	93.0	0.5	
93.0	93.5	0.5	
93.5	94.0	0.5	
94.0	94.5	0.5	
94.5	95.0	0.5	
95.0	95.5	0.5	
95.5	96.0	0.5	
96.0	96.5	0.5	
96.5	97.0	0.5	
97.0	97.5	0.5	
97.5	98.0	0.5	
98.0	98.5	0.5	
98.5	99.0	0.5	
99.0	99.5	0.5	
99.5	100.0	0.5	

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 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 the test for water, state kind of material used, position, and results of pumping or bailing. February 23, 1955. Total depth 5150'. Sand-oil point lookout. Retainer set 4761'. Injection rate 9.4 bbls./min. 11,000 gallons. Natural gas 80 MCF/D. 1550' and maximum pressure 1550'. Casing record.

FROM-	TO-	TOTAL FEET	FORMATION
0	0	0	
0.5	0.5	0.5	
1.0	1.0	1.0	
1.5	1.5	1.5	
2.0	2.0	2.0	
2.5	2.5	2.5	
3.0	3.0	3.0	
3.5	3.5	3.5	
4.0	4.0	4.0	
4.5	4.5	4.5	
5.0	5.0	5.0	
5.5	5.5	5.5	
6.0	6.0	6.0	
6.5	6.5	6.5	
7.0	7.0	7.0	
7.5	7.5	7.5	
8.0	8.0	8.0	
8.5	8.5	8.5	
9.0	9.0	9.0	
9.5	9.5	9.5	
10.0	10.0	10.0	
10.5	10.5	10.5	
11.0	11.0	11.0	
11.5	11.5	11.5	
12.0	12.0	12.0	
12.5	12.5	12.5	
13.0	13.0	13.0	
13.5	13.5	13.5	
14.0	14.0	14.0	
14.5	14.5	14.5	
15.0	15.0	15.0	
15.5	15.5	15.5	
16.0	16.0	16.0	
16.5	16.5	16.5	
17.0	17.0	17.0	
17.5	17.5	17.5	
18.0	18.0	18.0	
18.5	18.5	18.5	
19.0	19.0	19.0	
19.5	19.5	19.5	
20.0	20.0	20.0	
20.5	20.5	20.5	
21.0	21.0	21.0	
21.5	21.5	21.5	
22.0	22.0	22.0	
22.5	22.5	22.5	
23.0	23.0	23.0	
23.5	23.5	23.5	
24.0	24.0	24.0	
24.5	24.5	24.5	
25.0	25.0	25.0	
25.5	25.5	25.5	
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27.0	27.0	27.0	
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29.0	29.0	29.0	
29.5	29.5	29.5	
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31.0	31.0	31.0	
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32.0	32.0	32.0	
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36.0	36.0	36.0	
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37.0	37.0	37.0	
37.5	37.5	37.5	
38.0	38.0	38.0	
38.5	38.5	38.5	
39.0	39.0	39.0	
39.5	39.5	39.5	
40.0	40.0	40.0	
40.5	40.5	40.5	
41.0	41.0	41.0	
41.5	41.5	41.5	
42.0	42.0	42.0	
42.5	42.5	42.5	
43.0	43.0	43.0	
43.5	43.5	43.5	
44.0	44.0	44.0	
44.5	44.5	44.5	
45.0	45.0	45.0	
45.5	45.5	45.5	
46.0	46.0	46.0	
46.5	46.5	46.5	
47.0	47.0	47.0	
47.5	47.5	47.5	
48.0	48.0	48.0	
48.5	48.5	48.5	
49.0	49.0	49.0	
49.5	49.5	49.5	
50.0	50.0	50.0	
50.5	50.5	50.5	
51.0	51.0	51.0	
51.5	51.5	51.5	
52.0	52.0	52.0	
52.5	52.5	52.5	
53.0	53.0	53.0	
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56.0	56.0	56.0	
56.5	56.5	56.5	
57.0	57.0	57.0	
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59.0	59.0	59.0	
59.5	59.5	59.5	
60.0	60.0	60.0	
60.5	60.5	60.5	
61.0	61.0	61.0	
61.5	61.5	61.5	
62.0	62.0	62.0	
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65.5	65.5	65.5	
66.0	66.0	66.0	
66.5	66.5	66.5	
67.0	67.0	67.0	
67.5	67.5	67.5	
68.0	68.0	68.0	
68.5	68.5	68.5	
69.0	69.0	69.0	
69.5	69.5	69.5	
70.0	70.0	70.0	
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71.0	71.0	71.0	
71.5	71.5	71.5	
72.0	72.0	72.0	
72.5	72.5	72.5	
73.0	73.0	73.0	
73.5	73.5	73.5	
74.0	74.0	74.0	
74.5	74.5	74.5	
75.0	75.0	75.0	
75.5	75.5	75.5	
76.0	76.0	76.0	
76.5	76.5	76.5	
77.0	77.0	77.0	
77.5	77.5	77.5	
78.0	78.0	78.0	
78.5	78.5	78.5	
79.0	79.0	79.0	
79.5	79.5	79.5	
80.0	80.0	80.0	
80.5	80.5	80.5	
81.0	81.0	81.0	
81.5	81.5	81.5	
82.0	82.0	82.0	
82.5	82.5	82.5	
83.0	83.0	83.0	
83.5	83.5	83.5	
84.0	84.0	84.0	
84.5	84.5	84.5	
85.0	85.0	85.0	
85.5	85.5	85.5	
86.0	86.0	86.0	
86.5	86.5	86.5	
87.0	87.0	87.0	
87.5	87.5	87.5	
88.0	88.0	88.0	
88.5	88.5	88.5	
89.0	89.0	89.0	
89.5	89.5	89.5	
90.0	90.0	90.0	
90.5	90.5	90.5	
91.0	91.0	91.0	
91.5	91.5	91.5	
92.0	92.0	92.0	
92.5	92.5	92.5	
93.0	93.0	93.0	
93.5	93.5	93.5	
94.0	94.0	94.0	
94.5	94.5	94.5	
95.0	95.0	95.0	
95.5	95.5	95.5	
96.0	96.0	96.0	
96.5	96.5	96.5	
97.0	97.0	97.0	
97.5	97.5	97.5	
98.0	98.0	98.0	
98.5	98.5	98.5	
99.0	99.0	99.0	
99.5	99.5	99.5	
100.0	100.0	100.0	