

District I  
1625 N. French Dr., Hobbs, NM 87240  
District II  
811 South First, Artesia, NM 87210  
District III  
1000 Rio Brazos Rd., Aztec, NM 87410  
District IV  
1220 South St Francis, Santa Fe, NM 87505

State of New Mexico  
Energy, Minerals and Natural Resources

OIL CONSERVATION DIVISION  
1220 South St Francis  
Santa Fe, NM 87505

1-28-04

Form C-105  
Revised March 25, 1999

WELL API NO. 30-007-20511

5. Indicate Type of Lease

STATE FEE X

State Oil & Gas I ☐ se No. ☒

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well:

OIL WELL ☐ GAS WELL ☐ DRY ☐ OTHER X COALBED METHANE

b. Type of Completion:

NEW WORK PLUG DIFF. RESVR. OTHER  
WELL ☒ OVER ☐ DEEPEN ☐ BACK ☐ ☐ ☐

2. Name of Operator

EL PASO ENERGY RATON, L.L.C.

3. Address of Operator

PO BOX 190  
RATON, NEW MEXICO 87740

7. Lease Name or Unit Agreement Name

VPR D

8. Well No.

166

9. Pool name or Wildcat

Castle Rock Park - Vermejo Gas

4. Well Location

Unit Letter L : 1375 Feet From The South Line and 1090 Feet From The West Line

Section 13 Township 30N Range 17E NMPM COLFAX County

10. Date Spudded

05/16/04

11. Date T.D. Reached

05/17/04

12. Date Compl. (Ready to Prod.)

07/28/04

13. Elevations (DF& R(B. RT, GR, etc.)

8305'

14. Elev. Casinghead

8305'

15. Total Depth

2425'

16. Plug Back T.D.

2340'

17. If Multiple Compl. How Many Zones?

18. Intervals Drilled By

Rotary Tools  
0 - TD

Cable Tools  
None

19. Producing Interval(s), of this completion - Top, Bottom, Name

1460' - 2153' RATON - VERMEJO COALS

20. Was Directional Survey Made  
No

21. Type Electric and Other Logs Run

Array Induction, Epithermal Neutron Litho Density, Mud Log, and Cement Bond Log.

21. Was Well Cored  
No

23. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8 5/8"	23 lb.	343'	11"	100 sx.	None
5 1/2"	15.5 lb.	2350'	7 7/8"	318 sx.	

24. LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET
					2 7/8"	2203'	N/A

26. Perforation record (interval, size, and number)

2149' - 2153' 16 Holes  
2052' - 2055', 2084' - 2086', 2117' - 2120' 28 Holes  
1899' - 1905' 24 Holes  
1460' - 1462', 1495' - 1499', 1510' - 1512', 1558' - 1560' 40 Holes

27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
1460' - 2153'	75,299 lbs 16/30 Sand

28. PRODUCTION

Date First Production 08/02/04		Production Method (Flowing, gas lift, pumping - Size and type pump) Pumping water up 2 7/8 tubing w/ 2' X 1 1/4" X 10' insert pump. Flowing gas up 5 1/2" casing.			Well Status (Prod. or Shut-in) Production		
Date of Test 08/02/04	Hours Tested 24 Hours	Choke Size Full 2"	Prod'n For Test Period	Oil - Bbl N/A	Gas - MCF 5	Water - Bbl. 0	Gas - Oil Ratio N/A
Flow Tubing Press. 0 psi	Casing Pressure 32 psi	Calculated 24- Hour Rate	Oil - Bbl. N/A	Gas - MCF 5	Water - Bbl. 0	Oil Gravity - API - (Corr.) N/A	

29. Disposition of Gas (Sold, used for fuel, vented, etc.)

Sold, used for fuel.

Test Witnessed By:

Gary Blundell

30. List Attachments

31. I hereby certify that the information shown on both sides of this form as true and complete to the best of my knowledge and belief

Signature: Shirley Mitchell Printed Name: Shirley A. Mitchell Title: Regulatory Analyst Date: 08/23/04

# INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Division not later than 20 days after the completion of any newly-drilled or deepened well. It shall be accompanied by one copy of all electrical and radio-activity logs run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, items 25 through 29 shall be reported for each zone. The form is to be filed in quintuplicate except on state land, where six copies are required. See Rule 1105.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

## Southeastern New Mexico

T. Anhy	T. Canyon
T. Salt	T. Strawn
B. Salt	T. Atoka
T. Yates	T. Miss
T. 7 Rivers	T. Devonian
T. Queen	T. Silurian
T. Grayburg	T. Montoya
T. San Andres	T. Simpson
T. Glorieta	T. McKee
T. Paddock	T. Ellenburger
T. Blinebry	T. Gr. Wash
T. Tubb	T. Delaware Sand
T. Drinkard	T. Bone Springs
T. Abo	T.
T. Wolfcamp	T.
T. Penn	T.
T. Cisco (Bough C)	T.

## Northwestern New Mexico

T. Ojo Alamo	T. Penn. "B"
T. Kirtland-Fruitland	T. Penn. "C"
T. Pictured Cliffs	T. Penn. "D"
T. Cliff House	T. Leadville
T. Menefee	T. Madison
T. Point Lookout	T. Elbert
T. Mancos	T. McCracken
T. Gallup	T. Ignacio Otzte
Base Greenhorn	T. Granite
T. Dakota	T. Raton – Surface <u>400'</u>
T. Morrison	T. Vermejo <u>1854'</u>
T. Todilto	T. Trinidad <u>2168'</u>
T. Entrada	T. _____
T. Wingate	T. _____
T. Chinle	T. _____
T. Permian	T. _____
T. Penn "A"	T. _____

## OIL OR GAS SANDS OR ZONES

No. 1, from.....to.....  
No. 2, from.....to.....

No. 3, from.....to.....  
No. 4, from.....to.....

## IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from.....to.....feet.....  
 No. 2, from.....to.....feet.....  
 No. 3, from.....to.....feet.....

## LITHOLOGY RECORD (Attach additional sheet if necessary)

From	To	Thickness In Feet	Lithology

From	To	Thickness In Feet	Lithology