Form 3160-4
(August 1999)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB NO. 1004-0137
Expires: November 30, 2000

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No. NMNM - 112955

1a. Type of Well ☐ Oil ☒ Gas ☐ Dry Other
b Type of Completion ☒ New ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr.
Other

6. If Indian, Allottee or Tribe Name

7 Unit or CA Agreement Name and No.

2 Name of Operator
Rosetta Resources c/o Walsh Engineering

8. Lease Name and Well No.
TSAH TAH 1 #4

3. Address
7415 E. Main St. Farmington, NM 87402

3a. Phone No. *(include area code)*
(505) 327- 4892

9. API Well No.
30-045-34135 - 0051

4. Location of Well *(Report locations clearly and in accordance with Federal requirements)* *

At surface 1270' FSL and 1369' FEL, Section 1, T24N, R10W

At top prod. interval reported below

At total depth

10. Field and Pool, or Exploratory
Basin Fruitland Coal

11. Sec., T., R., M., or Block and Survey or Area Sec 1, T24N, R10W

12 County or Parish: San Juan
13 State: NM

14 Date Spudded	15. Date T.D. Reached	16. Date Completed	17. Elevations (DF, RKB, RT, GL)*
08/20/07	08/23/07	☐ D & A ☒ Ready to Prod. 10/12/07	6849' GL

18. Total Depth:	19. Plug Back T.D.:	20. Depth Bridge Plug Set
MD 1913'	MD 1873' KB	MD
TVD 1913'	TVD 1873' KB	TVD

21 Type Electric & Other Mechanical Logs Run (Submit copy of each)
Gas Spectrum, GR/CCL

22 Was well cored ☒ No ☐ Yes (Submit copy)
Was DST run? ☒ No ☐
Directional Survey? ☐ No ☒ Yes (Submit

23. Casing and Liner Record *(Report all strings set in well)*

Hole Size	Size/Grade	Wt (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sks & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
8-3/4"	7", J-55	20#	0	126'		65 sx (77 cuft)	145.1	Surface	Circ 6 bbls
6-1/4"	4-1/2",J-55	10.5#	0	1888'		150 sx (309 cuft)	55.1		
						75 sx (89 cuft)	16.0	Surface	Circ. 7 bbls

24 Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Set (MD)
2-3/8"	1791'							

25 Producing Intervals / 26. Perforation Record

	Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A)	Fruitland Coal	1551'	1753'	1551 - 1553'	0.50"	6	open
B)				1742 - 1753'	0.50"	33	open
C)							
D)							

27 Acid, Fracture, Treatment, Cement Squeeze, Etc.

Depth Interval	Amount and type of Material
1551' - 1753'	5,000# 40/70 & 16,000# 20/40 Brady in 860 bbls of 15# borate x-link gel. 500 gal of 7.5% HCl

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
	10/12/07		→		0	100			Pumping

Choke Size	Tbg Press Flwg SI	Csg Press	24 Hr Rate	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr API	Well Status
	0 psi	0 psi	→		0	100		

28a. Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						

Choke Size	Tbg Press Flwg SI	Csg Press	24 Hr Rate	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr API	Well Status
			→					

(See instructions and spaces for additional data on reverse side)

RCVD OCT 22 '07
OIL CONS. DIV.
DIST. 3

ACCEPTED FOR RECORD
OCT 19 2007
FARMINGTON FIELD OFFICE
BY T. Salyers

NMOCD

28b Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method

Choke Size	Tbg Press. Flwg SI	Csg. Press	24 Hr Rate →	Oil BBL	Gas MCF	Water BBL	Gas . Oil Ratio	Well Status

28c Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr API	Gas Gravity	Production Method

Choke Size	Tbg Press. Flwg SI	Csg Press	24 Hr Rate →	Oil BBL	Gas MCF	Water BBL	Gas Oil Ratio	Well Status

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

30. Summary of Porous Zones (Include Aquifers).

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

31. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top Meas. Depth
Ojo Alamo	930				
Kirtland	1020				
Fruitland	1441				
Pictured Cliffs	1768				

32. Additional remarks (include plugging procedure):

33 Circle enclosed attachments·

1 Electrical/Mechanical Logs (1 full set req'd) 2. Geologic Report 3. DST Report 4 Directional Survey

5 Sundry Notice for plugging and cement verification 5. Core Analysis 7. Otl

36 I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)*

Name *(please print)* Paul C. Thompson, P.E. Title Agent

Signature Paul C. Thompson Date 10/12/2007

Title 18 U S C Section 1001 and Title 43 U S C Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the Unit States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction

o U.S. GPO: 1999-573-624