

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTRECEIVED
DEC 14 2015CONFIDENTIAL
FORM APPROVED
OMB NO. 1004-0137
Expires July 31, 2010

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

Farmington Field Office
Bureau of Land Management

1a. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Dry <input type="checkbox"/> Other		5. Lease Serial No. NMSF077972	
b. Type of Completion: <input checked="" type="checkbox"/> New Well <input type="checkbox"/> Work Over <input type="checkbox"/> Deepen <input type="checkbox"/> Plug Back <input type="checkbox"/> Diff. Resvr., Other		6. If Indian, Allottee or Tribe Name	
2. Name of Operator ENERGEN RESOURCES		7. Unit or CA Agreement Name and No.	
3. Address 2010 Afton Place, Farmington, NM 87401		8. Lease Name and Well No. Richardson Navajo 27-13 10 #4H	
3a. Phone No. (include area code) 505-325-6800		9. API Well No. 30-045-35242	
4. Location of Well (Report location clearly and in accordance with Federal requirements)* At surface 1281' FSL, 1385' FWL Sec. 11 T27N R13W (N) SE/SW At top prod. interval reported below 479' FSL, 115' FWL Sec. 11 T27N R13W (M) SW/SW At total depth 382' FSL, 255' FWL Sec. 10 T27N R13W (M) SW/SW		10. Field and Pool, or Exploratory Basin Mancos	
14. Date Spudded 10/14/15		11. Sec., T., R., M., or Block and Survey or Area Sec. 11, T27N, R13W - N.M.P.M.	
15. Date T.D. Reached 11/13/15		12. County or Parish San Juan	
16. Date Completed <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod. 12/08/15		13. State NM	
17. Elevations (DF, RKB, RT, GL)* 5922' GL			
18. Total Depth: MD 10995' TVD 5267'		20. Depth Bridge Plug Set: MD TVD	
19. Plug Back T.D.: MD 10942' TVD 5267'		22. Was well cored? <input type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis) Was DST run <input type="checkbox"/> No <input type="checkbox"/> Yes (Submit report) Directional Survey? <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes (Submit copy)	
21. Type Electric & Other Mechanical Logs Run (Submit copy of each)			

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
12.25"	9.625"	36#	0	351'		205 sx		surface	16 bbls
8.75"	7.0"	26#	0	6321'		860 sx		surface	40 bbls
6.125"	4.5"	11.6#	6147'	10990'		510 sx		6147'	25 bbls
6.125"	4.5"	11.6#	0	6147'	Tie back	0 sx			

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2.375"	6284'							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) Mancos/Niabrara C	5806'		6333.5'-10898' MD			
B)			See attachment.			
C)						
D)						

26. Perforation Record

Depth Interval	Amount and Type of Material
6333.5'-10898' MD	See Attached

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

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
12/11/15	12/11/15	24	→						flowing
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr.	Oil BBL	Gas MCF	Water BBL	Gas: Oil Ratio	Well Status	
128/64	280#	600#	→	168	2465	955			

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.	Oil BBL	Gas MCF	Water BBL	Gas: Oil Ratio	Well Status	
			→						

(See instructions and spaces for additional data on page 2)

NMOCD PV

ACCEPTED FOR RECORD
DEC 15 2015
FARMINGTON FIELD OFFICE
BY: [Signature]

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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. →	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. →	Oil BBL	Gas MCF	Water BBL	Gas: Oil Ratio	Well Status	

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

To be sold

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
				Nacimiento	Surface
				Ojo Alamo (est)	390' MD
				Kirtland (est)	501' MD
				Fruitland FM (est)	824' MD
				Pictured Cliffs (est)	1342' MD
				Lewis (est)	1477' MD
				Chacra (est)	2232' MD
				Huerfanito Bentonite (est)	1770' MD
				Cliff House	2916' MD
				Point Lookout	3919' MD
				Mancos Shale	4287' MD
				El Vado SS	4865' MD
				Niobrara A	5538' MD
				Niobrara B	5658' MD
				Niobrara C	5806' MD

32. Additional remarks (include plugging procedure):

33. Indicate which items have been attached by placing a check in the appropriate boxes:

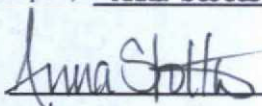
- ☐ Electrical/Mechanical Logs (1 full set req'd)
 ☐ Geologic Report
 ☐ DST Report
 ☒ Directional Survey
 ☐ Sundry Notice for plugging and cement verification
 ☐ Core Analysis
 ☐ Other:

34. 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) Anna Stotts

Title Regulatory Analyst

Signature



Date 12/14/15

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 United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

Richardson Navajo 27 13 10 #4H
30-045-35242
3160-4 Attachment

#26 Perforation Record, #27 Amount and Type of Material

10895'-10898' MD (RSI). Frac w/105653# of 20/40 sand.
10665.5'-10838' MD, .41" HD, 6 spf, 36 holes. Frac w/162086# of 20/40 sand
10437.5'-10610' MD, .41" HD, 6 spf, 36 holes. Frac w/229630# of 20/40 sand.
10209.5'-10382' MD, .41" HD, 6 spf, 36 holes. Frac w/232000# of 20/40 sand.
9981.5'-10154' MD, .41" HD, 6 spf, 36 holes. Frac w/232900# of 20/40 sand.
9753.5'-9926' MD, .41" HD, 6 spf, 36 holes. Frac w/231500# of 20/40 sand.
9525.5'-9698' MD, .41" HD, 6 spf, 36 holes. Frac w/ 228600# of 20/40 sand.
9297.5'-9470' MD, .41" HD, 6 spf, 36 holes. Frac w/236600# of 20/40 sand.
9069.5'-9242' MD, .41" HD, 6 spf, 36 holes. Frac w/229800# of 20/40 sand.
8841.5'-9014' MD, .41" HD, 6 spf, 36 holes. frac w/231500# of 20/40 sand.
8613.5'-8786' MD, .41" HD, 6 spf, 36 holes. Frac w/232800# of 20/40 sand.
8385.5'-8558' MD, .41" HD, 6 spf, 36 holes. Frac w/228300# of 20/40 sand.
8157.5'-8330' MD, .41" HD, 6 spf, 36 holes. Frac w/207100# of 20/40 sand.
7929.5'-8102' MD, .41" HD, 6 spf, 36 holes. Frac w/230800# of 20/40 sand.
7701.5';-7874' MD, .41" HD, 6 spf, 36 holes. Frac w/230200# of 20/40 sand.
7473.5'-7646' MD, .41" HD, 6 spf, 36 holes. Frac w/236500# of 20/40 sand.
7245.5'-7418' MD, .41" HD, 6 spf, 36 holes. Frac w/230000# of 20/40 sand.
7017.5'-7190' MD, .41" HD, 6 spf, 36 holes. Frac w/227500# of 20/40 sand.
6789.5'-6962' MD, .41" HD, 6 spf, 36 holes. Frac w/229190# of 20/40 sand.
6561.5'-6734' MD, .41" HD, 6 spf, 36 holes. Frac w/238000# of 20/40 sand.
6333.5'-6506' MD, .41" HD, 6 spf, 36 holes. Frac w/237731# of 20/40 sand.