

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

Farmington Field Office  
Bureau of Land Management

1a. Type of Well  Oil Well  Gas Well  Dry  Other

b. Type of Completion:  New Well  Work Over  Deepen  Plug Back  Diff. Resvr., Other

2. Name of Operator  
**ENERGEN RESOURCES**

3. Address **2010 Afton Place, Farmington, NM 87401** 3a. Phone No. (include area code) **505-325-6800**

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**

5. Lease Serial No. **NMSF077972**

6. If Indian, Allottee or Tribe Name **Richardson Navajo 27-13 10 #4H**

7. Unit or CA Agreement Name and No.

8. Lease Name and Well No. **Richardson Navajo 27-13 10 #4H**

9. API Well No. **30-045-35242**

10. Field and Pool, or Exploratory **Basin Mancos**

11. Sec., T., R., M., or Block and Survey or Area **Sec. 11, T27N, R13W - N.M.P.M.**

12. County or Parish **San Juan** 13. State **NM**

14. Date Spudded **10/14/15** 15. Date T.D. Reached **11/13/15** 16. Date Completed **12/08/15**  D & A  Ready to Prod.

17. Elevations (DF, RKB, RT, GL)\* **5922' GL**

18. Total Depth: MD **10995'** TVD **5267'** 19. Plug Back T.D.: MD **10942'** TVD **5267'** 20. Depth Bridge Plug Set: MD TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)

22. Was well cored?  No  Yes (Submit analysis)  
Was DST run  No  Yes (Submit report)  
Directional Survey?  No  Yes (Submit copy)

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)						

OIL CONS. DIV DIST. 3  
DEC 18 2015

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

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

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

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
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	
			→						

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):

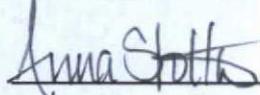
33. Indicate which items have been attached by placing a check in the appropriate boxes:

- 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.