

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

CONFIDENTIAL

TIGHT HOLE
RECEIVED

FORM APPROVED
OMB NO. 1004-0137
Expires July 31, 2010

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

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 **887' FSL, 772' FWL Sec. 23 T23N 03W (M) SW/SW**
At top prod. interval reported below **446' FSL, 303' FEL** **OIL CONS. DIV DIST. 3**
At total depth **498' FSL, 100' FWL Sec. 22 T23N 03W** **OCT 22 2015**

5. Lease Serial No. **Jicarilla Apache 183**

6. If Indian, Allottee or Tribe Name **Jicarilla Apache**

7. Unit or CA Agreement Name and No.

8. Lease Name and Well No. **Chacon Jicarilla #602H**

9. API Well No. **30-043-21234**

10. Field and Pool, or Exploratory **West Lindrith Gallup Dakota**

11. Sec., T., R., M., or Block and Survey or Area **Sec. 23, T23N, R03W - N.M.P.M.**

12. County or Parish **Sandoval** 13. State **NM**

14. Date Spudded **7/24/15** 15. Date T.D. Reached **9/13/15** 16. Date Completed **10/14/15**
☐ D & A ☒ Ready to Prod.

17. Elevations (DF, RKB, RT, GL)* **7459' GL**

18. Total Depth: MD **11737'** TVD **6312'** 19. Plug Back T.D.: MD **11684'** TVD **6312'** 20. Depth Bridge Plug Set: MD **11684'** TVD **6312'**

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
17.50"	13.375"	48#	0	241'		300 sx		surface	21 bbls
12.25"	9.625"	36#	0	3382'		965 sx		surface	160 bbls
8.75"	7.0"	26#	0	7026'		775 sx		surface	17 bbls
6.125"	4.50"	11.6#	6811'	11732'		510 sx		6811'	30 bbls
6.125"	4.50"	11.6#	0	6811'	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"	6893'	6483'						

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) Mancos/Niobrara "C"	6489'	6980'	6907'-11637' MD			
B)			See attachment.			
C)						
D)						

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

Depth Interval	Amount and Type of Material
6907'-11637'	See Attached

ACCEPTED FOR RECORD
OCT 21 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
10/16/15	10/16/15	18	→	0	490	1309			flowing
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr.	Oil BBL	Gas MCF	Water BBL	Gas: Oil Ratio	Well Status	
64/64"	530#	725#	→						

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
				San Jose (est)	1474' MD
				Nacimiento (est)	2731' MD
				Ojo Alamo (est)	2731' MD
				Kirtland (est)	2885' MD
				Fruitland (est)	3043' MD
				Pictured Cliffs (est)	3135' MD
				Lewis (est)	3220' MD
				Huerfanito Bentonite	3289' MD
				Chacra	3910' MD
				Cliff House	4656' MD
				Manefee	4700' MD
				Point Lookout	5243' MD
				Mancos	5602' MD
				El Vado	5929' MD
				Mancos/Niobrara "A"	6337' MD

32. Additional remarks (include plugging procedure):

Mancos/Niobrara "B" 6388' MD Graneros 7334' MD
Mancos/Niobrara "C" 6489' MD
Juana Lopez 6981' MD
Greenhorn 7280' MD

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 StottsTitle Regulatory AnalystSignature Date 10/19/15

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.

Energen Resources
Chacon Jicarilla #602H
30-043-21234

26. Perforation Record

1st Stage: 11637'-11634' (RSI tool).
2nd Stage: 11557'-11395', 0.41" HD, 6 SPF, 24 holes.
3rd Stage: 11317'-11155', 0.41" HD, 6 SPF, 24 holes.
4th Stage: 11075'-10915', 0.41" HD, 6 SPF, 24 holes.
5th Stage: 10837'-10675', 0.41" HD, 6 SPF, 24 holes.
6th Stage: 10597'-10435', 0.41" HD, 6 SPF, 24 holes.
7th Stage: 10357'-10195', 0.41" HD, 6 SPF, 24 holes.
8th Stage: 10117'-10035', 0.41" HD, 6 SPF, 24 holes;
9957'-9955', .041" HD, 6 SPF, 12 holes.
9th Stage: 9877'-9715', 0.41" HD, 6 SPF, 24 holes.
10th Stage: 9637'-9475', 0.41" HD, 6 SPF, 24 holes.
11th Stage: 9397'-9235', 0.41" HD, 6 SPF, 24 holes.
12th Stage: 9157'-8995', 0.41" HD, 6 SPF, 24 holes.
13th Stage: 8917'-8755', 0.41" HD, 6 SPF, 24 holes.
14th Stage: 8677'-8515', 0.41" HD, 6 SPF, 24 holes.
15th Stage: 8437'-8275', 0.41" HD, 6 SPF, 24 holes.
16th Stage: 8197'-8035', 0.41" HD, 6 SPF, 24 holes.
17th Stage: 7957'-7795', 0.41" HD, 6 SPF, 24 holes.
18th Stage: 7717'-7555', 0.41" HD, 6 SPF, 24 holes.
19th Stage: 7489'-7351', 0.41" HD, 6 SPF, 24 holes.
20th Stage: 7285'-7147', 0.41" HD, 6 SPF, 24 holes.
21st Stage: 7089'-6907', 0.41" HD, 6 SPF, 36 holes.

27. Depth Interval Amount and Type of Material

1 st Stage: 11637'-11634'	38,900# of 30/50 sand
2 nd Stage: 11557'-11395'	190500# of 30/50 sand
3 rd Stage: 11317'-11155'	189500# of 30/50 sand
4 th Stage: 11075'-10915'	191000# of 30/50 sand
5 th Stage: 10837'-10675'	190500# of 30/50 sand
6 th Stage: 10597'-10435'	192000# of 30/50 sand
7 th Stage: 10357'-10195'	190000# of 30/50 sand
8 th Stage: 10117'-10035'	190000# of 30/50 sand
9 th Stage: 9877'-9715'	190000# of 30/50 sand
10 th Stage: 9637'-9475'	189900# of 30/50 sand
11 th Stage: 9397'-9235'	190700# of 30/50 sand
12 th Stage: 9157'-8995'	189900# of 30/50 sand
13 th Stage: 8917'-8755'	189900# of 30/50 sand
14 th Stage: 8677'-8515'	189300# of 30/50 sand
15 th Stage: 8437'-8275'	192200# of 30/50 sand
16 th Stage: 8197'-8035'	193100# of 30/50 sand
17 th Stage: 7957'-7795'	189900# of 30/50 sand
18 th Stage: 7717'-7555'	190700# of 30/50 sand
19 th Stage: 7489'-7351'	200000# of 30/50 sand
20 th Stage: 7089'-6907'	200000# of 30/50 sand
21 st Stage: 7089'-6907'	205780# of 30/50 sand