Form 3160-4
(August 2007)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED
NOV 03 2011
Farmington Field Office
Bureau of Land Management

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No. Jicarilla Apache 152

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

6. If Indian, Allotee or Tribe Name Jicarilla Apache

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

7. Unit or CA Agreement Name and No. Report to Lease

2. Name of Operator
Energen Resources Corporation

8. Lease Name and Well No. Jicarilla West #8M

3. Address 2010 Farmington, Farmington, NM 87401

3a. Phone No. *(include area code)* 505-325-6800

9. API Well No. 30-039-31036-0001

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

At surface 2619' FSL, 721' FEL (I) NE/SE Sec. 6 T26N R05W NMPM

At top prod. interval reported below

At total depth

10. Field and Pool, or Exploratory Basin Dakota

11. Sec., T., R., M., or Block and Survey or Area I-Sec. 6, T26N, R05W N.M.P.M.

12. County or Parish Rio Arriba

13. State NM

14. Date Spudded	15. Date T.D. Reached	16. Date Completed ☐ D & A ☒ Ready to Prod.	17. Elevations (DF, RKB, RT, GL)*
9/7/11	10/8/11	11/1/11	6578' GL

18. Total Depth: MD / TVD	19. Plug Back T D: MD / TVD	20. Depth Bridge Plug Set: MD / TVD
7621'	7576'	

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)
CALIPER VOLUME
COMP PHOTO DEN/COMP DUEL NUETRON/ARRAY IND/RTAP SHALLOW ELEC/

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"	32.3#		255		150 sks		surface	12 bbls - circ.
8.75"	7.0"	23#		3762	2748	500 sks		surface	90 bbls - circ.
6.25"	4.50"	11.6#		7621	5823	460 sks		480' CBL	

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"	7448'							

25. Producing Intervals / 26. Perforation Record

	Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf Status
A)	Basin Dakota	7486		7506-7520, 7468-7474,	.34"	84	3 spf
B)				7414-7416, 7394-7398,			
C)				7386-7388			
D)							RCVD NOV 15 '11

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

OIL CONS. DIV.
DIST. 3

Depth Interval	Amount and Type of Material
7506-7520,7468-7474, 7414-7416, 7394-7398, 7386-7388	194,890 gallons 2% slick water,5000# 100 mesh, 175,300# 20/40 sand

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
	10/30/11								flowing

Choke Size	Tbg. Press. Flwg SI	Csg Press	24 Hr. →	Oil BBL	Gas MCF	Water BBL	Gas: Oil Ratio	Well Status
1/2"	si 0	si 490		0	1468	42		

28a. Production-Interval B

ACCEPTED FOR RECORD

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr API	Gas Gravity	Production Method
									NOV 04 2011

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

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BY

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

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	surface
				Naciemento	1519
				Ojo Alamo	2473
				Kirtland	2710
				Fruitland	2794
				Pictured Cliffs	3096
				Lewis Shale	3305
				Huerfanito Bentonite	3653
				Cliff House	4880
				Menefee	4965
				Point Lookout	5396
				Mancos	5811
				Gallup	6397
				Greenhorn	7292
				Graneros	7351

32. Additional remarks (include plugging procedure):

Formation tops continued:

Dakota 7486'

33. Indicate which items have bee 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 11/2/11

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.

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