

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

RECEIVED

SUBMIT IN TRIPLICATE - Other instructions on page 2

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

ENERGEN RESOURCES CORPORATION

3a. Address

2198 Bloomfield Highway, Farmington, NM 87401

3b. Phone No. (include area code)

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

1850' FSL, 1845' FEL, Sec. 5, T26N, R5W, N.M.P.M.

FEB 09 2011

Farmington Field Office
Bureau of Land Management

5. Lease Serial No.

Jicarilla Contract 152

6. If Indian, Allottee or Tribe Name

Jicarilla Apache

7. If Unit or CA/Agreement, Name and/or No.

8. Well Name and No.

Jicarilla 152W 2M

9. API Well No.

30-039-26575

10. Field and Pool, or Exploratory Area

Blanco Mesaverde

Basin Dakota

11. County or Parish, State

Rio Arriba NM

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☒ Notice of Intent
☐ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

- | | | | |
|---|---|--|--|
| <input type="checkbox"/> Acidize | <input type="checkbox"/> Deepen | <input type="checkbox"/> Production (Start/Resume) | <input type="checkbox"/> Water Shut-Off |
| <input type="checkbox"/> Alter Casing | <input type="checkbox"/> Fracture Treat | <input type="checkbox"/> Reclamation | <input type="checkbox"/> Well Integrity |
| <input type="checkbox"/> Casing Repair | <input type="checkbox"/> New Construction | <input type="checkbox"/> Recomplete | <input checked="" type="checkbox"/> Other <u>PC PayAdd</u> |
| <input type="checkbox"/> Change Plans | <input type="checkbox"/> Plug and Abandon | <input type="checkbox"/> Temporarily Abandon | <u>and Downhole</u> |
| <input type="checkbox"/> Convert to Injection | <input type="checkbox"/> Plug Back | <input type="checkbox"/> Water Disposal | <u>Commingled</u> |

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the final site is ready for final inspection.)

Energen Resources plans to add the PC to the Jicarilla 152W #2M as per the attached procedure.

This to the be completed and commingled per the approved order #R-13347-A

RCVD FEB 11 '11
OIL CONS. DIV.
DIST. 3

14. I hereby certify that the foregoing is true and correct

Name (Printed/Typed)

Martin Cabrera

Title District Engineer

Signature

Date 2/09/11

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Original Signed: Stephen Mason

Title

Date

FEB 10 2011

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C. Section 1001, and Title 43 U.S.C. Section 1212, makes 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 Corp.
Pay Add Schedule – Jicarilla 152W 2M
API# 30-039-26575
DP#3120114C
AFE# SJ11-109

Location: 1850' FSL, 1845' FEL, Section 05, T 26 N, R 05 W, Rio Arriba Co., N.M.

Field: Blanco Mesaverde Elevation: 6546'GL TD: 7611' PBTD: 7593' KB: 12'

Cemented:

Consultant:

<u>Casing Record:</u>	<u>Csg. Size</u>	<u>Wt. & Grade</u>	<u>Depth Set</u>	<u>Cement</u>	<u>TOC</u>
	9-5/8"	36# J-55	282'	177 cu.ft.	Surface
	7"	20# J-55	3542'	1017 cu.ft.	Surface
	4-1/2"	11.6# J-55	7611'	620 cu.ft.	3330'

<u>Formation Tops:</u>				
	Ojo Alamo	2396'	Lewis	3312'
	Kirtland	2799'	Cliffhouse	4816'
	Fruitland	2975'	Menefee	4939'
	Pictured Cliffs	3110'	Point Lookout	5362'

Logging Record: GR-HRISP, GR-Spec Den-Dual Spaced Neutron, MRIL, GR-CCL-CBL

Existing Perforations MV:

4834',36,38,50,52,54,56,58,60,62,4868',72,76,78,80,82,84,86,88,90,92,4909',10,11,16,18,20,22,28,30,32,-4934' w/32 holes w/1 JSPF (cliffhouse)

MV:5353',54,55,68,69,70,71,72,73,77,78,79,80,81,82,83,97,98,99,5406',08,09,10,11,12,19,20,32,33,34,48,50,78,80,97,- 5499' w/36 holes w/1 JSPF (point lookout)

DK:7393',94,95,96,7456',57,58,59,93,94,95,96,97,98,99,7500',01,02,03,04,05,06,07,08,09,10,41,42,43,44,45,46,47',- 7548' w/34 holes w/1 JSPF

Recommended Completion Procedure:

1. MIRU WSU NUBOP. POOH production tubing.
2. TIH W/ RBP and set right below PC formation. Load the casing with clean 2% KCL W/ Biocide. Pressure Test Casing to desired specifications (80% yield press). Note: A packer may be required to isolate the wellhead from pressure. NU Frac Head/Valve assembly.
3. MIRU WL. TIH & perforate the PC formation per the selected interval.

Perforate Pictured Cliffs: 3162'-3176', 3185'-3198', 3214'-3224'

4. Pump the DFIT and Breakdown schedule per the attached Halliburton procedure.
5. Fracture the PC per the attached Halliburton procedure. Note: The Max treating pressure will be 80% yield press. Maximum rate to be limited to 15

BPM (total rate) to ensure we stay within our target zone. Will frac w/ MonoProp.

6. TIH w/ tubing and POOH w/ RBP.
7. Cleanout to PBTD w/ air mist, TOH TIH w/ Prod. Tubing and land tubing.
8. NDBOP NUWH RDMO WSU. Turn the well over to production.