

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENTFORM APPROVED  
OMB NO. 1004-0137  
Expires March 31, 2007

## 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.

SUBMIT IN TRIPLICATE - Other instructions on reverse side

1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. <b>Jicarilla Contract 35</b>	
2. Name of Operator <b>Energen Resources Corporation</b>		6. If Indian, Allottee or Tribe Name <b>Jicarilla Apache</b>	
3a. Address <b>2198 Bloomfield Highway, Farmington, NM 87401</b>	3b. Phone No. (include area code) <b>505-325-6800</b>	7. If Unit or CA/Agreement, Name and/or No. <b>Jicarilla 35 # 10</b>	
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) <b>1261' ENL, 1840' FWL, Sec.02, T24N, R05W, N.M.P.M.</b>		8. Well Name and No. <b>Jicarilla 35 # 10</b>	
		9. API Well No. <b>30-039-22094</b>	
		10. Field and Pool, or Exploratory Area <b>Otero/Gallup</b>	
		11. County or Parish, State <b>Rio Arriba NM</b>	

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

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other _____
	<input type="checkbox"/> Change Plans	<input checked="" type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

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 recompleat 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 recompleat 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 intends to plug and abandon the Jicarilla 35 #10 according to the attached procedure.

14. I hereby certify that the foregoing is true and correct Name (Printed/Typed) <b>Vicki Donaghey</b>	Title <b>Regulatory Analyst</b>
<b>Vicki Donaghey</b>	Date <b>06/02/06</b>

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by <b>Original Signed: Stephen Mason</b>	Title <b>Regulatory Analyst</b>	Date <b>JUN 07 2006</b>
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.

## PLUG AND ABANDONMENT PROCEDURE

May 26, 2006

### Jicarilla 35 #10

Otero Gallup  
1261' FNL & 1840' FWL, NW, Section 2, T24N, R5W  
Rio Arriba County, New Mexico, API #30-039-22094

Note: All cement volumes use 100% excess outside pipe and 50' excess inside pipe. The stabilizing wellbore fluid will be 8.3 ppg, sufficient to balance all exposed formation pressures.  
Cement will be ASTM Type III, mixed at 14.8 ppg with a 1.32 cf/sx yield or Class B.

1. Install and test location rig anchors. Prepare blow pit. Comply with all NMOCD, BLM, and Energen safety regulations. MOL and RU daylight pulling unit. Conduct safety meeting for all personnel on location. NU relief line and blow down well; kill with water as necessary.
2. PU on tubing and release pump. Re-seat pump. Pressure test tubing to 1000#. Release pump and TOH with rods and pump. ND wellhead and NU BOP. Test BOP. TOH and tally 2.375" tubing, total 6415', TAC at 5988'. If necessary, LD tubing and use a workstring.
3. **Plug #1 (Gallup perforations and top, 6068' – 5500')**: TIH and set 4.5" wireline CIBP or CR at 6068'. Load casing with water and circulate well clean. Pressure test casing to 800#. *If casing does not test, then spot or tag subsequent plugs as appropriate.* Mix 42 sxs cement and spot a balanced plug inside casing above CR to isolate the Gallup perforations and top. TOH with tubing.
4. **Plug #2 (Mesaverde top, <sup>4400</sup>4234' – <sup>4300</sup>4134')**: Perforate 3 squeeze holes at <sup>4400</sup>4234'. Attempt to establish rate into squeeze holes if the casing pressure tested. Set 4.5" cement retainer at <sup>4400</sup>4184'. Establish rate into squeeze holes. Mix and pump 46 sxs cement, squeeze 35 sxs outside the casing and leave 11 sxs inside casing to cover Mesaverde top. If the casing leaks, increase the cement above CR to 20 sxs. PUH to 2830'.  
→ Chica plug 3665' – <sup>3565'</sup>3565'
5. **Plug #3 (Pictured Cliffs, Fruitland, Kirtland and Ojo Alamo tops, 2830' – 2208')**: Mix 46 sxs cement and spot a balanced plug inside casing to cover through the Ojo Alamo top. TOH with tubing.
6. **Plug #4 (Nacimiento top, <sup>958'</sup>828' – <sup>858'</sup>728')**: Perforate 3 squeeze holes at <sup>958'</sup>828'. Attempt to establish rate into squeeze holes if the casing tested. Set 4.5" cement retainer at <sup>958'</sup>778'. Establish rate into squeeze holes. Mix and pump 46 sxs cement, squeeze 35 sxs outside the casing and leave 11 sxs inside casing to cover the Nacimiento top. TOH and LD tubing.
7. **Plug #5 (8.625" Surface casing shoe, 568' – 0')**: Perforate 3 squeeze holes at 568'. Establish circulation out the bradenhead valve with water; circulate the BH annulus clean. Mix and pump approximately 160 sxs cement down the 4.5" casing to circulate good cement out bradenhead valve. Shut well in and WOC.
8. ND BOP and cut off casing below surface casing flange. Install P&A marker with cement to comply with regulations. RD, move off location, cut off anchors and restore location.

# Jicarilla 35 #10

## Current

Otero Gallup

1261' FNL & 1840' FWL, Section 2, T-24-N, R-5-W  
Rio Arriba County, NM / API #30-039-22094

Today's Date: 6/26/06

Spud: 8/1/79

Comp: 10/11/79

Elevation: 6779' GL  
6792' KB

Nacimiento @ 778'

Ojo Alamo @ 2258'

Kirtland @ 2427'

Fruitland @ 2558'

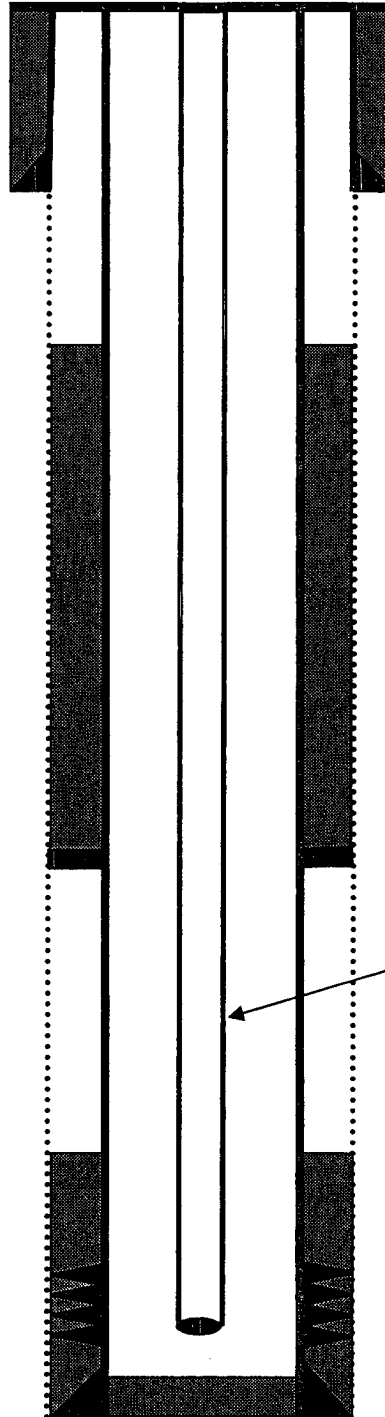
Pictured Cliffs @ 2780'

Mesaverde @ 4184'

Gallup @ 5550'

12.25" Hole

7.875" Hole



8.625" 24# K-55 Casing set @ 518'  
325 sxs cement, circulated to surface

Top of Cmt @ 1150' (Calc, 75%)

### Well History

Apr '84: Re-perf 6177' to 6188'. Stress frac'd interval twice. Land tubing at 6413'. Re-run rods and pump.

Dec '85: LD rods and pump. To be put on plunger lift.

Oct '03: Swab well, fished piston. Tagged at 6000', recovered heavy drilling mud.

DV Tool @ 3986'  
Cemented with 645 sxs (861 cf)

2.375" Tubing at 6415'  
(203 joints, SN at 6395', TAC at 5988')

Top of Cmt @ 5561' (Calc, 75%)

Gallup Perforations:  
6118' - 6388'

4.5" 10.5# K-55 Casing @ 6632'  
Cemented with 275 sxs (325 cf)

TD 6633'  
PBTD 6514'

# **Jicarilla 35 #10**

## **Proposed P&A**

Otero Gallup

1261' FNL & 1840' FWL, Section 2, T-24-N, R-5-W  
Rio Arriba County, NM / API #30-039-22094

Today's Date: 5/26/06

Spud: 8/1/79

Comp: 10/11/79

Elevation: 6779' GL  
6792' KB

12.25" Hole

Nacimiento @ 778'

Ojo Alamo @ 2258'

Kirtland @ 2427'

Fruitland @ 2558'

Pictured Cliffs @ 2780'

Mesaverde @ 4184'

Gallup @ 5550'

7.875" Hole

TD 6633'  
PBTB 6514'

**Plug #5: 1568' – Surface**  
Type III cement, 160 sxs

8.625" 24# K-55 Casing set @ 518'  
325 sxs cement, circulated to surface

**Perforate @ 568'**

**Cmt Retainer @ 778'**

**Plug #4: 828' – 728'**  
Type III cement, 46 sxs:  
35 sxs outside casing  
and 11 sxs inside.

**Perforate @ 828'**

Top of Cmt @ 1150' (Calc, 75%)

**Plug #3: 2830' – 2208'**  
Type III cement, 46 sxs

DV Tool @ 3986'  
Cemented with 645 sxs (861 cf)

**Plug #2: 4234' – 4134'**  
Type III cement, 46 sxs:  
35 outside and 11 inside

**Cmt Retainer @ 4184'**

**Perforate @ 4234'**

Top of Cmt @ 5561' (Calc, 75%)

**Set 4.5" Cmt Ret @ 6068'**

**Plug #1: 6068' – 5500'**  
Type III cement, 42 sxs

Gallup Perforations:  
6118' – 6388'

4.5" 10.5#, K-55 Casing @ 6632'  
Cemented with 275 sxs (325 cf)

The Jicarilla Apache Nation requires 45 days to evaluate this well beginning from June 7 2006 in order to determine if they would like to assume ownership of the well. If the Jicarilla Apache Nation has not contacted your office before the end of the 45 days you may proceed with plugging operations.