

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB NO. 1004-0135  
Expires: November 30, 2000

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

☐ 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)

(505) 325-6800

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

990' FNL, 1650' FWL, Sec. 8, T24N, R3W, N.M.P.M.

5. Lease Serial No.

NMSF-080472

6. If Indian, Allottee or Tribe Name

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

8. Well Name and No.

Jillson Federal 1 2

9. API Well No.

30-039-0559400

10. Field and Pool, or Exploratory Area

Blanco Pictured Cliffs

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

☐ Acidize

☐ Alter Casing

☐ Casing Repair

☐ Change Plans

☐ Convert to Injection

☐ Deepen

☐ Fracture Treat

☐ New Construction

☒ Plug and Abandon

☐ Plug Back

☐ Production (Start/Resume)

☐ Reclamation

☐ Recomplete

☐ Temporarily Abandon

☐ Water Disposal

☐ Water Shut-Off

☐ Well Integrity

☐ Other

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.)

It is intended to plug and abandon this well as per the attached plugging procedure.

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

Name (Printed/Typed)

Don Graham

Title

Production Superintendent

Date 4/12/02

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

/s/ David R. Sitzler

Title

Lands and Mineral Resources

Date

MAY 15 2002

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



## PLUG & ABANDONMENT PROCEDURE

4/9/02

### **Jillson Federal #2**

Blanco Pictured Cliffs

990' FNL & 1650' FWL, Section 8, T-24-N, R-3-W

Rio Arriba Co., New Mexico, API #30-039-05594

Note: All cement volumes use 100% excess outside pipe and 50' excess inside. The stabilizing wellbore fluid will be 8.3 ppg, sufficient to balance all exposed formation pressures. All cement is ASMT Type II mixed at 15.6 ppg with a yield of 1.18 cf/sx.

1. Install and test rig anchors. Prepare blow pit. Comply with all NMOCD, BLM and Energen safety rules and regulations. MOL and RU daylight pulling unit. Blow well down; kill with water if necessary. ND wellhead and NU BOP and stripping head; test BOP.
2. TOH and tally 2-3/8" tubing, total 3136'. If necessary LD tubing and PU workstring. Round-trip 5-1/2" gauge ring to 3090'.
3. **Plug #1 (Pictured Cliffs perforations and Fruitland, Kirtland and Ojo Alamo tops, 3090'–2629')**: TIH and set a 5-1/2" cement retainer at 3090'. Pressure test tubing to 1000#. Load casing with water and circulate well clean. Pressure test casing to 500#. If casing does not test, then spot or tag subsequent plugs as appropriate. Mix 60 sxs cement and spot above retainer inside casing from 3090' to 2629' to cover Pictured Cliffs perforations and Fruitland, Kirtland and Ojo Alamo tops. If casing leaks, then increase cement volume to 75 sxs. TOH with tubing.
4. **Plug #2 (Nacimiento top, 1399' – 1299')**: Perforate 3 squeeze holes at 1399'. Establish rate into squeeze holes if casing tested. Set 5-1/2" retainer at 1349'. Establish rate into squeeze holes. Mix 48 sxs cement and squeeze 30 sxs cement outside 5-1/2" casing and leave 18 sxs cement inside casing to cover the Nacimiento top. TOH and LD tubing.
5. **Plug #3 (8-5/8" casing shoe, 331' - Surface)**: Perforate 3 squeeze holes at 331'. Establish circulation bradenhead with water. Mix and pump approximately 100 sxs cement down 5-1/2" casing to circulate good cement out bradenhead valve. SI and WOC.
6. ND BOP and cut off casing below surface. Install P&A marker with cement to comply with regulations. RD, move off location, cut off anchors and restore location.



# Jillson Federal #2

## Current

Blanco Pictured Cliffs

NW, Section 8 T-24-N, R-3-W, Rio Arriba County, NM

API #30-039-05594

Today's Date: 4/9/02

Spud: 5/10/56

Completion: 5/26/56

Elevation: 6954' GL

Nacimiento @ 1349'

Ojo Alamo @ 2679'

Kirtland @ 2855'

Fruitland @ 2921'

Pictured Cliffs @ 3133'

11" hole

8-5/8" 24/29# J-55 Casing set @ 281'  
Cmt w/ 130 sxs (Circulated to Surface)

TOC @ 2105' (T.S.)

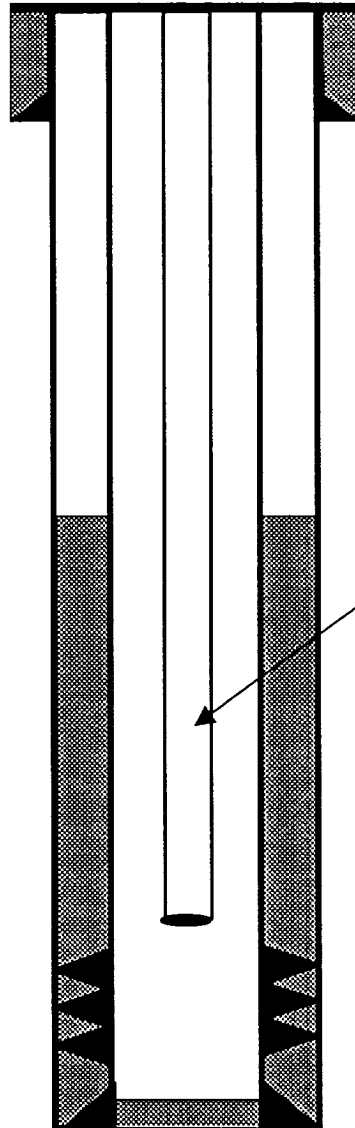
2-3/8" tubing @ 3136'  
(4.7# J-55)

Pictured Cliffs Perforations:  
3140' - 3193'

5-1/2" 14#, J-55 Casing set @ 3258'  
Cemented with 150 sxs

7-7/8" hole

TD 3258'





## Jillson Federal #2

### Proposed P&A

Blanco Pictured Cliffs

NW, Section 8 T-24-N, R-3-W, Rio Arriba County, NM

API #30-039-05594

Today's Date: 4/9/02

Spud: 5/10/56

Completion: 5/26/56

Elevation: 6954' GL

Nacimiento @ 1349'

Ojo Alamo @ 2679'

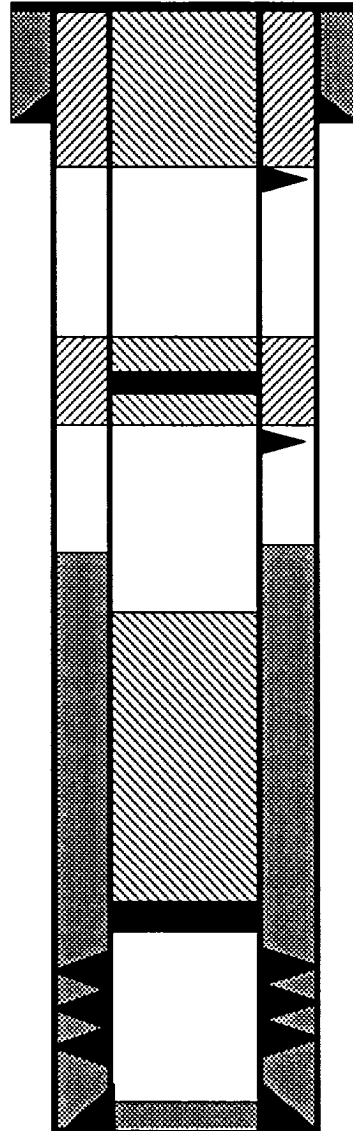
Kirtland @ 2855'

Fruitland @ 2921'

Pictured Cliffs @ 3133'

11" hole

7-7/8" hole



8-5/8" 24/29# J-55 Casing set @ 281'  
Cmt w/ 130 sxs (Circulated to Surface)

Perforation @ 331'

Plug #3: 331' – Surface  
Cement with 100 sxs

Plug #2: 1399' – 1299'  
Cement with 48 sxs,  
30 sxs outside casing  
and 18 sxs inside.

Cmt Retainer @ 1349'

Perforate @ 1399'

TOC @ 2105' (T.S.)

Plug #1: 3090' – 2629'  
Cement with 60 sxs

Set CR at 3090'

Pictured Cliffs Perforations:  
3140' - 3193'

5-1/2" 14#, J-55 Casing set @ 3258'  
Cemented with 150 sxs

TD 3258'



**CONDITIONS OF APPROVAL FOR PERMANENT ABANDONMENT**

Operator Energen Res. Corp. Well Name NMSF 080472

1. Plugging operations authorized are subject to the "General Requirements for Permanent Abandonment of Wells on Federal Leases."
2. For wells on Federal leases, Al Yepa with the Cuba Field Office is to be notified at least 24 hours (48 hours if possible) before the plugging operations commence. His phone number is (505) 289-3748. Office hours are 7:45 a.m. to 4:30 p.m.

For wells on Jicarilla leases notify Bryce Hammond with the Jicarilla Apache Tribe at least 24 hours (48 hours if possible) before the plugging operations commence. His phone number is (505) 759-1783 ext. 31.

3. Blowout prevention equipment is required.
4. The following modifications to your plugging program are to be made :

None



## BLM CONDITIONS OF APPROVAL

The following surface rehabilitation Conditions of Approval must be complied with as applicable, before this well can be approved for final abandonment (see 43 CFR 3162.3-4). Surface rehabilitation work shall be completed within one year of the actual plugging date. Notification for completion of this work should be submitted with a Sundry Notice. Questions? Call Pat Hester at (505) 761-8786.

1. All fences, production equipment, purchaser's equipment, concrete slabs, deadman (anchors), flowlines, risers, debris and trash must be removed from the location. Non-retrieved flowlines and pipelines will be abandoned in accordance with State Rule 714. Information supporting the non-retrieval will be included in the subsequent report or final abandonment Sundry Notice.

2. Production pits will be closed according to the Unlined Surface Impoundment Closure Guidelines, as approved in the Environmental Assessment of December 1993. Any oil stained soils can be remediated on-site according to these guidelines or disposed of in an approved facility.

3. The well pad will be shaped to the natural terrain and left as rough as possible. All compacted areas and areas devoid of vegetation shall be ripped/disked to a minimum of 12" in depth before reseeding.

4. Access roads will be shaped to conform to the natural terrain and left as rough as possible to deter vehicle travel. Access will be ripped to a minimum of 12" in depth, water barred and reseeded. All erosion problems created by the development must be corrected prior to acceptance of release. Water bars should be spaced as shown below along the fall line of the slope:

% Slope	Spacing Interval
Less than 20%	200'
2 to 5 %	150'
6 to 9 %	100'
10 to 15 %	50'
Greater than 15%	30'

5. All disturbed areas will be seeded with the prescribed certified seed mix (reseeding may be required). Seed mix must be certified weed free to avoid the introduction of noxious weeds. Refer to the original APD for seed mix.

6. Notify Surface Managing Agency seven (7) days prior to seeding so that they may be present to witness.

7. The period of liability under the bond of record will not be terminated until the well is inspected and the surface rehabilitation approved.

Other Surface Managing Agencies (SMA's) may vary slightly in their restoration requirements. It is your responsibility, as the operator, to obtain surface restoration requirements from other SMA's. We need to be provided with a copy of these requirements. Any problems concerning stipulations received from other SMA's should be brought to us. On private land, a letter from the fee owner stating that the surface restoration is satisfactory will be provided to the office. Questions? Call Pat Hester at (505) 761-8786.