

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir

Use "APPLICATION FOR PERMIT - " for such proposals

SUBMIT IN TRIPLICATE

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

2. Name of Operator
ENERGEN RESOURCES CORPORATION

3. Address and Telephone No.
2198 Bloomfield Highway, Farmington, NM 87401

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
990' FNL, 1650' FEL, Sec. 24, T26N, R3W, N.M.P.M.

B

6. If Indian, Allottee or Tribe Name

Jicarilla

7. For BLM Agreement Designation

8. Well Name and No.

Jicarilla 99 6

9. API Well No.

30-039-06398

10. Field and Pool, or exploratory Area

Gavilan Pictured Cliffs

11. County or Parish, State

Rio Arriba NM

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

TYPE OF SUBMISSION

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

TYPE OF ACTION

- ☒ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☐ Other _____
- ☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

It is intended to plug and abandon the subject well according to the attached procedure and wellbore diagram.

RECEIVED
MAY - 6 1999
OIL CON. DIV.
DIST. 3

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

Signed [Signature]

Title Production Foreman

Date 3/18/99

(This space for Federal or State office use)

Approved by [Signature]

Title Lands and Mineral Resources

Date MAY 4 1999

Conditions of approval, if any:

Surface restoration costs in attached letter.

Title 18 U.S.C. Section 1001, 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

3-16-99

Jicarilla 99 #6

Gavilan Pictured Cliffs

990' FNL and 1650' FEL, Section 24, T25N, R3W

Rio Arriba County, New Mexico

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.

1. Install and test location rig anchors. Dig and line pit for waste fluid. Comply with all NMOCD, BLM, and Energen safety regulations.
2. MOL and RU daylight pulling unit. Blow well down; kill with water if necessary. ND wellhead and NU BOP and stripping head; test BOP. TOH and inspect 127 joints 2-3/8" tubing, if necessary LD tubing and PU workstring.
4. **Plug #1 (Pictured Cliffs interval, Fruitland, Kirtland and Ojo Alamo tops, 3911' - 3500'):** TIH and tag existing cement retainer at 3911'. Load casing with water and pressure test to 500#. If casing does not test, spot or tag subsequent plug as necessary. Mix and spot 104 sxs Class B cement above CR inside 7-5/8" casing to cover Pictured Cliffs, Fruitland, Kirtland, and Ojo Alamo tops. TOH with tubing.
5. **Plug #2 (Nacimiento top, 1650' - 1550'):** Perforate 3 HSC squeeze holes at 1650'. Establish rate into squeeze holes if casing tested. TIH with open ended tubing to 1650'. Mix and spot 70 sxs Class B cement inside 7-5/8" casing, then PUH to 1000' and squeeze 36 sxs cement outside 7-5/8" casing and leave 34 sxs cement inside casing to cover Nacimiento top. TOH and LD tubing. WOC then tag cement with wireline. If casing leaks after plug #1, then set 7-5/8" retainer at 1600' and do not WOC.
6. **Plug #3 (10-3/4" Surface Casing at 296'):** Perforate 3 squeeze holes at 50'. (Note the 2 cement squeezes in 1991 have already cemented the 7-5/8" by 10-3/4" annulus.) Establish circulation out bradenhead valve. TIH with open ended tubing to 346'. Mix and pump approximately 90 sxs Class B cement to fill the inside of the 7-5/8" casing, then shut the casing valve and circulate good cement out bradenhead valve. TOH and LD tubing. Shut in well and WOC.
7. ND BOP and cut off wellhead below surface casing. Install P&A marker to comply with regulations. RD, MOL, cut off anchors, and restore location. Backfill pit and clean up location.

Jicarilla 99 #6

Current

Gavilan Pictured Cliffs
NE, Section 24, T-25-N, R-3-W, Rio Arriba County, NM

Today's Date: 3/16/99

Spud: 10/27/57

Completed: 11/1/57

Elevation: 7567' (GL)
7579' (KB)

Nacimiento @ 1600'

Ojo Alamo @ 3550'

Kirtland @ 3775'

Fruitland @ 3833'

Pictured Cliffs @ 3961'

Mesaverde @ 5550'

15-3/4" Hole

9-7/8" Hole

6-3/4" Hole

TD 6380'

10-3/4" 32.75#, H-40 Csg set @ 296'
Cmt w/ 250 sxs (Circulated to Surface)

Casing leaks squeezed with 60
sxs, then 50 sxs more in 1991.

Well History

Feb '89: Pull tubing and remove gas lift valves;
redress seal assembly and land tubing strings.

Apr '91: P&A MV and casing repair: Set CR at
5691'; sqz MV perfs with 200 sxs; PT casing,
found leak from 180' - 195'; sqz with 60 sxs,
drill out; no PT, leak from 253' to 320'; sqz with
50 sxs cement, drill out; PT OK. Return PC
zone to production.

Oct '95: TA Well: Pull tubing; set 7-5/8" CR at
3911'; TIH with tubing; PT casing, held OK;
load casing with 1% Tretolite CRW 0037 ; land
tubing.

TOC @ 2825' (T.S.)

2-3/8" Tubing Set at 3898'
(127 jts. EUE. SN 1 joint off bottom)

Cmt Retainer @ 3911' (10/95)

Pictured Cliffs Perforations:
3960' - 4029'

Liner top at 4047'

TOC @ 4175' (T.S.)

7-5/8" 25.4#, J55 Csg set @ 4220'
Cemented with 200 sxs

P&A MV: Cmt Retainer @ 5619'
200 sxs below, 30' above (4/91)

Mesaverde Perforations:
5724' - 5860', 6104' - 6223'

5-1/2" 15.5# Casing Liner from 6380' to 4047'
Cemented 200 sxs

Jicarilla 99 #6

Proposed P&A

Gavilan Pictured Cliffs

NE, Section 24, T-25-N, R-3-W, Rio Arriba County, NM

Today's Date: 3/16/99

Spud: 10/27/57

Completed: 11/1/57

Elevation: 7567' (GL)
7579' (KB)

Nacimiento @ 1600'

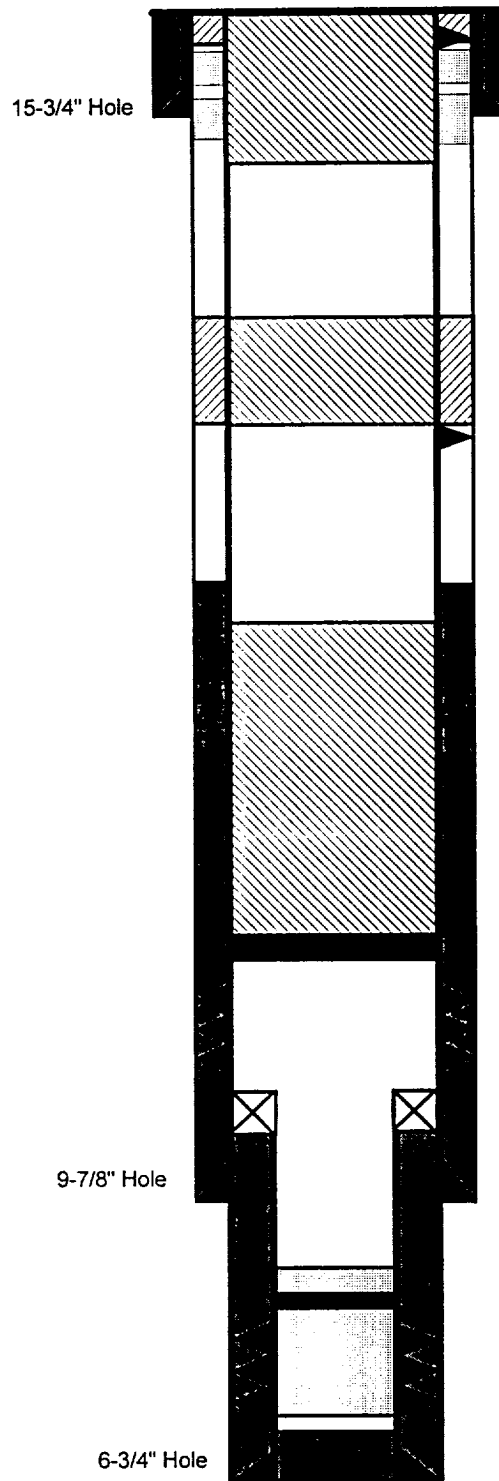
Ojo Alamo @ 3550'

Kirtland @ 3775'

Fruitland @ 3833'

Pictured Cliffs @ 3961'

Mesaverde @ 5550'



Perforate @ 50'

10-3/4" 32.75#, H-40 Csg set @ 296'
Cmt w/ 250 sxs (Circulated to Surface)

Casing leaks squeezed with 60
sxs then 50 sxs more in 1991.

Plug #3 346' - Surface
Cmt with 90 sxs Class B,
with 78 sxs inside casing
and 12 sxs in annulus.

Plug #2 1650' - 1550'
Cmt with 70 sxs Class B,
36 sxs outside casing
and 34 sxs inside.

Perforate @ 1650'

TOC @ 2825' (T.S.)

Plug #1 3911' - 3500'
Cmt with 104 sxs Class B

Cmt Retainer @ 3911' (10/95)

Pictured Cliffs Perforations:
3960' - 4029'

Liner top at 4047'

TOC @ 4175' (T.S.)

7-5/8" 25.4#, J55 Csg set @ 4220'
Cemented with 200 sxs

P&A MV: Cmt Retainer @ 5619'
200 sxs below, 30' above (4/91)

Mesaverde Perforations:
5724' - 5860', 6104' - 6223'

5-1/2" 15.5# Casing Liner from 6380' to 4047'
Cemented 200 sxs

CONDITIONS OF APPROVAL FOR PERMANENT ABANDONMENT

Operator Energen Resources Well Name Jic 99 #6

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 Erwin Elote with the Jicarilla Apache Tribe at least 24 hours (48 hours if possible) before the plugging operations commence. His phone number is (505) 759-3242.

3. Blowout prevention equipment is required.
4. The following modifications to your plugging program are to be made : none