

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

5. Lease Designation and Serial No.

NM 03991

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

Hill Federal 2Y

9. API Well No.

30-039-23852

10. Field and Pool, or exploratory Area

Gavilan Mancos

11. County or Parish, State

Rio Arriba NM

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)

1710' FNL, 1760' FEL, Sec. 35, T25N, R2W, N.M.P.M.

G 25

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

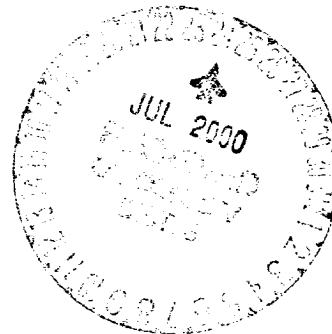
TYPE OF ACTION

- 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.)*

Engeren intends to plug and abandon this well as per the attached plugging procedure.



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

Signed Monica Papp Title Production Assistant Date 5/22/00

(This space for Federal or State office use)

Approved by [Signature] Title Peter E. J. Date 7/18/00

Conditions of approval, if any:

Surface COA's attached

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 & ABANDONMENT PROCEDURE

5/9/00

Hill Federal #2Y
Gavilan Mancos
1710' FNL, 1760' FEL, NE Section 35, T-25-N, R-02-W
Rio Arriba Co., New Mexico

- Note: All cement volumes use 100% excess outside pipe. The stabilizing wellbore fluid will be 8.3 ppg, sufficient to balance all exposed formation pressures.
1. Install and/or test rig anchors. Prepare blow pit. Comply with all NMOCD, BLM and Energen safety rules and regulations. MOL and RUSU. Blow well down; kill with water if necessary. ND wellhead and NU BOP and stripping head; test BOP.
 2. TOH and tally 239 joints 2-3/8" tubing (7606'); visually inspect. If necessary LD tubing and PU workstring. Round-trip 5-1/2" gauge ring or casing scraper to 6900' or as deep as possible.
 3. **Plug #1 (Dakota top, 8057' - 7957')**: Pump 50 bbls water down tubing. Mix 17 sacks Class B cement and spot a balanced plug to cover the Dakota top. TOH with tubing.
 4. **Plug #2 (Mancos perforations and Gallup top, 6900' - 6850')**: Set 5-1/2" CR or CIBP at 6900'. TIH with tubing and circulate well clean. Pressure test tubing to 1000#. Pressure test casing to 500#, if casing does not test, then spot or tag subsequent plugs as appropriate. Mix 17 sxs Class B cement and spot a balanced plug above the CR or CIBP to cover Gallup top. POH to 5335'.
 5. **Plug #3 (Mesaverde top, 5335' - 5235')**: Mix 17 sxs Class B cement and spot balanced plug inside casing to cover Mesaverde top. POH to 3570'.
 6. **Plug #4 (Pictured Cliffs, Fruitland, Kirtland and Ojo Alamo tops, 3570' - 3204')**: Mix 47 sxs Class B cement and spot balanced plug inside casing to cover through Ojo Alamo top. TOH and LD setting tool.
 7. **Plug #5 (Nacimiento top, 1845' - 1745')**: Perforate 3 HSC squeeze holes at 1845'. Establish rate into squeeze holes if casing tested. Set 5-1/2" cement retainer at 1795'. Establish rate into squeeze holes. Mix 60 sxs Class B cement and squeeze 43 sxs cement outside 5-1/2" casing and leave 17 sxs cement inside casing to cover Nacimiento top. TOH and LD setting tool.
 8. **Plug #6 (Casing Shoe, 443' - 343')**: Perforate 3 HSC squeeze holes at 443'. Establish circulation out bradenhead valve. Mix 60 sxs Class B cement, squeeze 43 sxs outside casing and leave 17 sxs inside. Shut in well and WOC.
 9. **Plug #7 (Surface, 50' - Surface)**: Perforate 3 HSC squeeze holes at 443'. Establish circulation out bradenhead valve. Mix and pump approximately 30 sxs Class B cement down 5-1/2" casing, circulate good cement out bradenhead valve. Shut in well and WOC.
 10. 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.

Hill Federal #2Y

Current

Gavilan Mancos

NE Section 35, T-25-N, R-2-W, Rio Arriba County, NM

Today's Date: 5/9/00
Spud: 8/26/85
Completed: 10/23/85
Elevation: 7453' GL
7467' KB

17-1/2" hole

13-3/8" 68# K-55 Csg set @ 383'
Cement w/550 sxs (Circulated to Surface)

WELL HISTORY:

Dec '87: Change out pump.
May '89: Pull rods and LD 2-7/8"
tubing; run 2-3/8" tubing.
Oct '90: Swab well.
Feb '91: Swab well

Nacimiento @ 1795'

Top of Cmt @ 1934' (CBL)

Ojo Alamo @ 3254'

Kirtland @ 3404'

Fruitland @ 3430'

Pictured Cliffs @ 3520'

2-3/8" Tubing set at 7606'
(239 jts, EUE)

8-3/4" Hole
to 4532'

DV tool @ 3687' Cmt w/ 512 cf
(During completion DV leaked,
sqzd with 150 then 79 sxs cmt.)

Top of Cmt @ 5086' (CBL)

Mesaverde @ 5285'

DV tool @ 5907'
Cmt w/ 270 sxs (449 cf)

Top of Cmt @ 6500' (CBL)

Gallup @ 6948'

Mancos Perforations:
6948' - 7626'

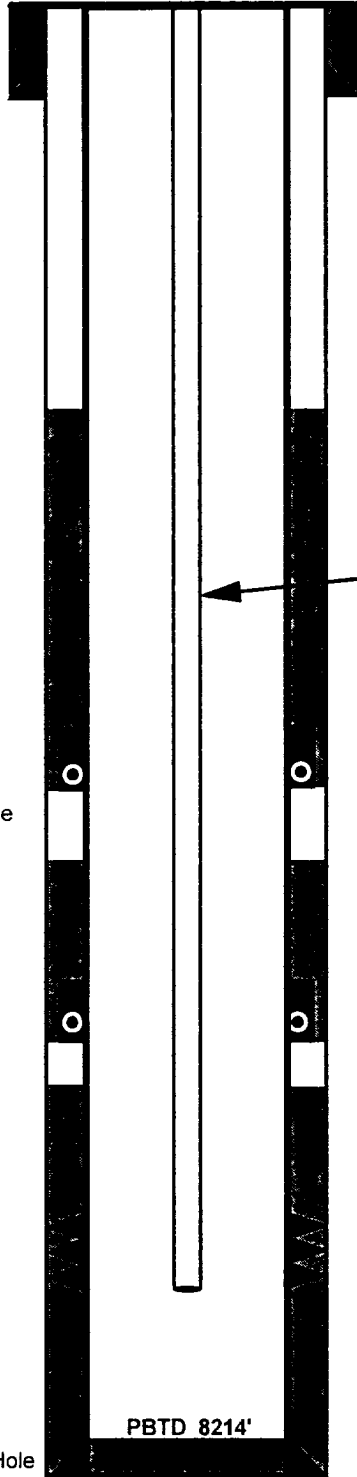
Dakota @ 8007'

7-7/8" Hole

PBTD 8214'

5-1/2" 15.5 K-55 & 17# N-80 Casing set @ 8214'
Cemented with 499 sxs (629 cf)

TD 8225'



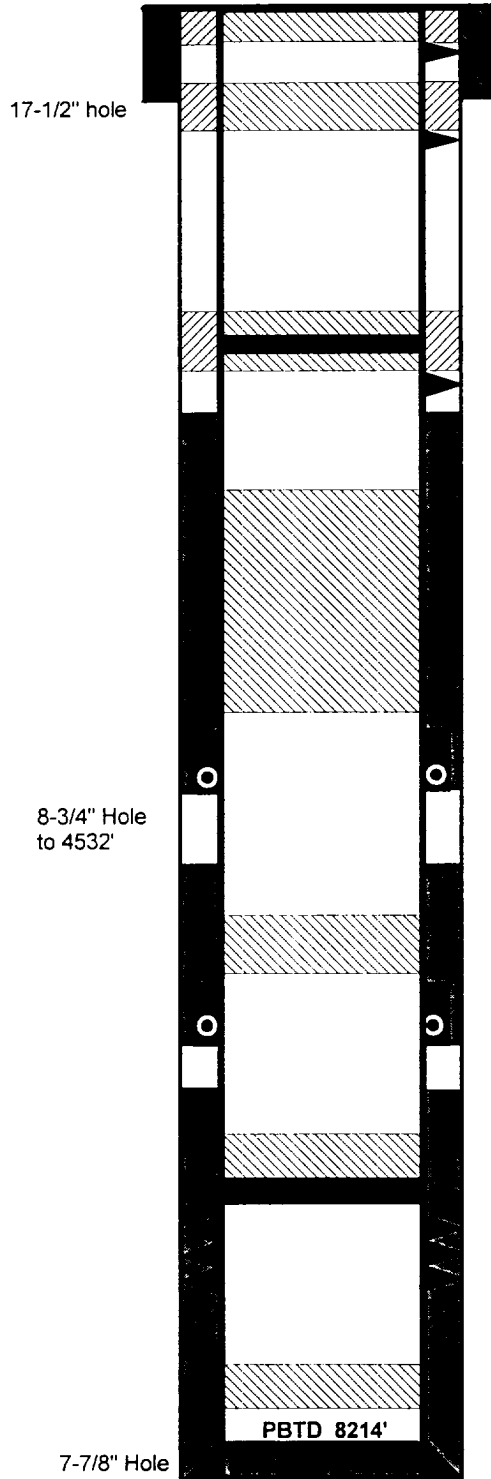
Hill Federal #2Y

Proposed P & A

Gavilan Mancos

NE Section 35, T-25-N, R-2-W, Rio Arriba County, NM

Today's Date: 5/9/00
 Spud: 8/26/85
 Completed: 10/23/85
 Elevation: 7453' GL
 7467' KB



Plug #7 50' - Surface
 Cmt with 30 sxs Class B

Perforate @ 50'

13-3/8" 68# K-55 Csg set @ 383'
 Cement w/550 sxs (Circulated to Surface)

Perforate @ 443'

Plug #6 443' - 343'
 Cmt with 60 sxs Class B,
 squeeze 43 sxs outside
 casing and leave 17 sxs in.

Cmt Retainer @ 1795'

Plug #5 1845' - 1745'
 Cmt with 60 sxs Class B,
 43 sxs outside casing
 and 17 sxs inside.

Perforate @ 1845'

Top of Cmt @ 1934' (CBL)

Plug #4 3570' - 3204'
 Cmt with 47 sxs Class B

DV tool @ 3687' Cmt w/ 512 cf
 (During completion DV leaked,
 sqzd with 150 then 79 sxs cmt.)

Top of Cmt @ 5086' (CBL)

Plug #3 5335' - 5235'
 Cmt with 17 sxs Class B

DV tool @ 5907'
 Cmt w/ 270 sxs (449 cf)

Top of Cmt @ 6500' (CBL)

Set Cement Rt @ 6900'
 Cmt with 17 sxs Class B

Mancos Perforations:
 6948' - 7626'

Plug #1 8057' - 7957'
 Cmt with 17 sxs Class B

5-1/2" 15.5 K-55 & 17# N-80 Casing set @ 8214'
 Cemented with 499 sxs (629 cf)

Nacimiento @ 1795'

Ojo Alamo @ 3254'

Kirtland @ 3404'

Fruitland @ 3430'

Pictured Cliffs @ 3520'

8-3/4" Hole
 to 4532'

Mesaverde @ 5285'

Gallup @ 6948'

Dakota @ 8007'

7-7/8" Hole

PBTD 8214'

TD 8225'

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 can 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 to a minimum of 12" in depth before reseeded.

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.