Form 3160-5
(June 1990)

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

5. Lease Designation and Serial No.
SF-079011

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation
San Juan 32-5 Unit

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

8. Well Name and No.
San Juan 32-5 Unit 17

2. Name of Operator
ENERGEN RESOURCES CORPORATION

9. API Well No.
30-039-07993

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

10. Field and Pool, or exploratory Area
Basin Dakota

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
900' FNL, 2450' FWL, Sec. 26, T32N, R6W, N.M.P.M.

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	TYPE OF ACTION	
☒ Notice of Intent	☒ Abandonment	☐ Change of Plans
☐ Subsequent Report	☐ Recompletion	☐ New Construction
☐ Final Abandonment Notice	☐ Plugging Back	☐ Non-Routine Fracturing
	☐ Casing Repair	☐ Water Shut-Off
	☐ Altering Casing	☐ Conversion to Injection
	☐ Other _____	☐ 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 this well per the attached procedure.

RECEIVED
AUG 23 1999
OIL CON. DIV.
DIST. 3

99 AUG 23 PM 12:05
070 FARMINGTON NM

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

Signed Joe Graham Title Production Foreman Date 7/26/99

(This space for Federal or State office use)

Approved by /s/ Ernest Becher Title Team Lead, Petroleum Management Date _____

Conditions of approval, if any:

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.

* See Instruction on Reverse Side

NMOCD

PLUG & ABANDONMENT PROCEDURE

7-26-99

San Juan 32-5 Unit #17
Basin Dakota
900' FNL, 2450' FWL, NW Section 26, T-32-N, R-6-W
Rio Arriba Co., New Mexico

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.

1. Install and test rig anchors. Prepare blow pit. Comply with all NMOCD, BLM and Energen safety rules and regulations.

2. Tally and prepare 2-3/8" tubing workstring. Rig up wireline unit and RIH with 4-1/2" gauge ring and tag plug #2 at 5298', or as deep as possible. PU 3-7/8" mill and TIH to 1879' and determine condition of casing. Load casing with water and circulate hole clean. Casing will not test so, spot or tag subsequent plug as appropriate. TOH with tubing and mill.

3. **Plug #3 (Pictured Cliffs and Fruitland top, 3182' – 2875'):** Perforate 3 HSC squeeze holes at 3182'. Set 4-1/2" cement retainer at 3082'. (May need to squeeze using a packer if CR will not get down). Mix 145 sxs Class B cement, squeeze 119 sxs outside and leave 26 sxs inside. TOH with tubing and WOC. RIH and tag cement.

5. **Plug #4 (Kirtland and Ojo Alamo tops, 2482' – 2277'):** Perforate 3 squeeze holes at 2482'. Set 4-1/2" cement retainer at 2432'. (May need to squeeze using a packer if CR will not get down). Mix 99 sxs Class B cement, squeeze 80 sxs outside casing and spot 19 sxs inside to cover Kirtland and Ojo Alamo tops. TOH with tubing and WOC. RIH and tag cement.

6. **Plug #5 (Nacimiento top, 1232' – 1132'):** Perforate 3 squeeze holes at 1232', establish circulation. Set 4-1/2" cement retainer at 1182'. Sting into retainer and establish circulation. Mix 50 sxs Class B cement, squeeze 39 sxs outside and leave 11 sxs inside to cover Nacimiento top. POH and LD tubing.

7. **Plug #6 (8-5/8"Surface Casing at 653'):** Perforate 3 HSC squeeze holes at 653' and establish circulation out bradenhead valve. Mix and pump approximately 195 sxs Class B cement down 4-1/2" casing, circulate good cement out bradenhead valve. Shut in well and WOC.

8. 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.

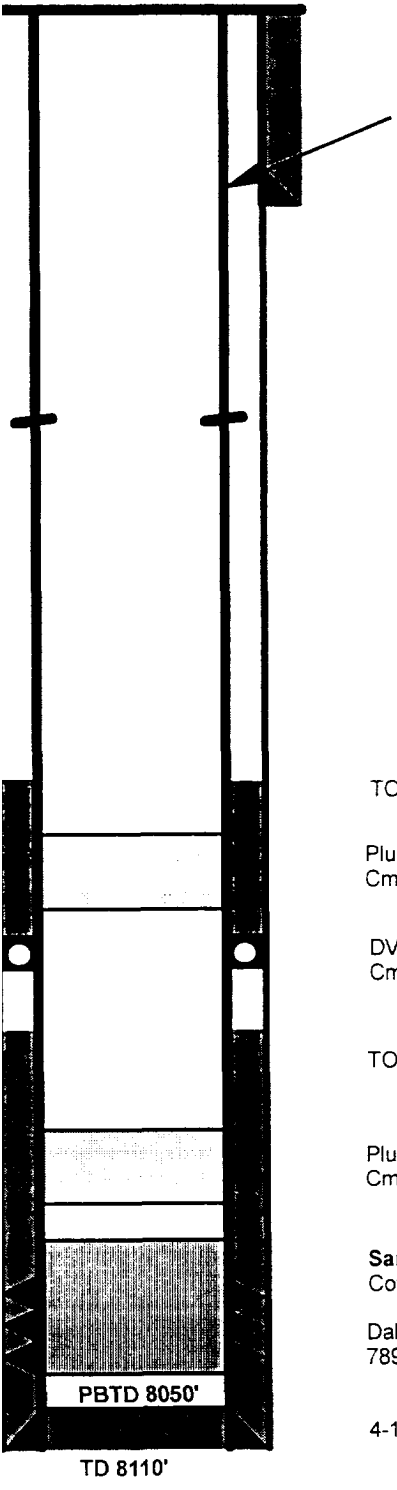
Juan 32-5 Unit #17

Current

Basin Dakota

, T-32-N, R-6-W, Rio Arriba County, NM

36.953552 / Longitude 107.419830



Casing Stuck @ 568'

8-5/8" 24#, J-55 Casing set @ 603'
350 sxs cement (Circulated to Surface)

Workover History

Jun '96: BH Repair: Pull tubing; casing problems at 1872'; spot sand over perfs, tag at 7797'; GI plug with 12 sxs cement from 7755' to 7593'; MV plug with 12 sxs cement from 5460' to 5298'; ND wellhead and weld 4-1/2" collar on casing, fired 3 rattle shots to attempt to free casing slips; cut slips off casing, they fell down hole; casing stretch free point at 568'; ran CBL from 1700' to 500', no cement; ran CCL log, found casing parted at 1879'; LD tubing and NU wellhead.

TOC @ 4652' (75% Calc)

Plug #2: 5460' - 5298' (1996)
Cmt w/12 sxs Class B

DV Tool @ 5916'
Cmt w/ 200 sxs (384 cf)

TOC @ 6853' (75% Calc,)

Plug #1: 7755' - 7593' (1996)
Cmt w/12 sxs Class B

Sand Plug: 8038' - 7797' (1996)
Covered perfs w/1600# sand

Dakota Perforations:
7890' - 8038'

4-1/2" 11.6#, N-80 Casing set @ 8098'
Cement with 300 sxs (378 cf)

San Juan 32-5 Unit #17

Proposed P&A

Basin Dakota

NW, Section 26, T-32-N, R-6-W, Rio Arriba County, NM

Latitude: 36.953552 / Longitude 107.419830

Today's Date: 7/26/99
Spud: 4/24/61
Comp: 5/31/61
Elevation: 6386' (GL)
6396' (KB)

12-1/4" hole

Nacimiento @ 1182'

Csg parted 1879'

Ojo Alamo @ 2327'

Kirtland @ 2432'

Fruitland @ 2925'

Pictured Cliffs @ 3132'

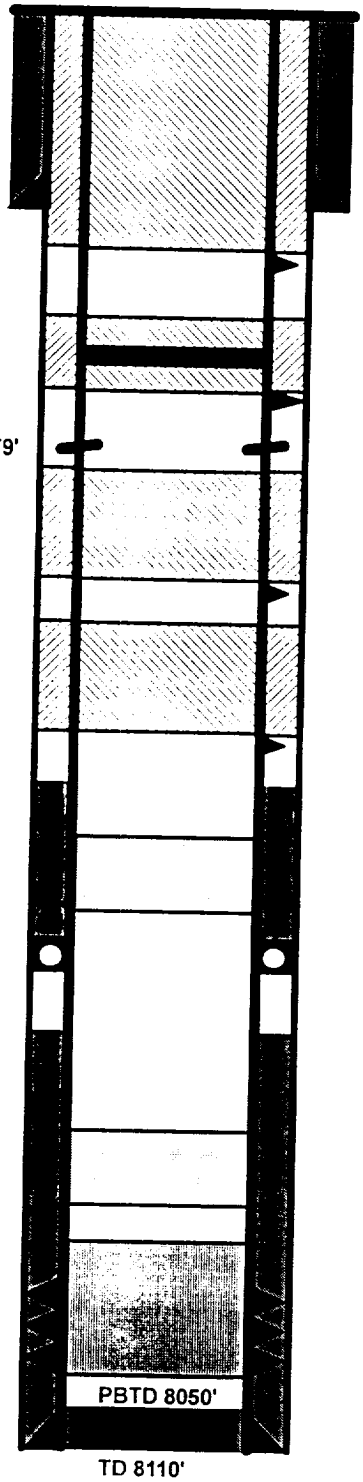
Mesaverde @ 5410'

Dakota @ 7887'

PBTD 8050'

7-7/8" hole

TD 8110'



Casing Stuck @ 568'

8-5/8" 24#, J-55 Casing set @ 603'
350 sxs cement (Circulated to Surface)

Plug #6 653' - Surface
Cmt with 195 sxs Class B

Perforate @ 653'

Cmt Retainer @ 1182'

Perforate @ 1232'

Plug #5 1232' - 1132'
Cmt with 50 sxs Class B,
39 sxs outside casing
and 11 sxs inside.

Plug #4 2482' - 2277'
Cmt with 99 sxs Class B,
80 sxs outside casing
and 19 sxs inside.

Perforate @ 2482'

Plug #3 3182' - 2875'
Cmt with 145 sxs Class B,
119 sxs outside casing
and 27 sxs inside.

Perforate @ 3182'

TOC @ 4652' (75% Calc)

Plug #2: 5460' - 5298' (1996)
Cmt w/12 sxs Class B

DV Tool @ 5916'
Cmt w/ 200 sxs (384 cf)

TOC @ 6853' (75% Calc,)

Plug #1: 7755' - 7593' (1996)
Cmt w/12 sxs Class B

Sand Plug: 8038' - 7797' (1996)
Covered perfs w/1600# sand

Dakota Perforations:
7890' - 8038'

4-1/2" 11.6#, N-80 Casing set @ 8098'
Cement with 300 sxs (378 cf)