

In Lieu of  
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

|  |   |
|--|---|
| 1. Type of Well<br><input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other | 5. Lease Designation and Serial No.<br>TB #165 CONT #82               |
| 2. Name of Operator<br>NORTHWEST PIPELINE COPORATION   | 6. If Indian, Allottee or Tribe Name<br>JICARILLA APACHE              |
| 3. Address and Telephone No.<br>PO BOX 58900 MS 2M3, SALT LAKE CITY, UTAH 84158-0900 (801) 584-6879                              | 7. If Unit or CA, Agreement Designation                               |
| 4. Location of Well (Footage, Sec., T., R., M., or Survey Description)<br>890' FNL & 1700' FEL, SEC 31, T29N, R3W                | 8. Well Name and No.<br>INDIAN E #1                                   |
|  | 9. API Well No.<br>30-039-07514                                       |
|  | 10. Field and Pool, or Exploratory Area<br>CHOZA MESA PICTURED CLIFFS |
|  | 11. County or Parish, State<br>RIO ARRIBA, NM                         |

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

| TYPE OF SUBMISSION                                    | TYPE OF ACTION  |
|---|---|
| <input type="checkbox"/> Notice of Intent             | <input checked="" type="checkbox"/> Abandonment   |
| <input type="checkbox"/> Subsequent Report            | <input type="checkbox"/> Recompletion   |
| <input checked="" type="checkbox"/> Final Abandonment | <input type="checkbox"/> Plugging Back  |
|   | <input type="checkbox"/> Casing Repair  |
|   | <input type="checkbox"/> Altering Casing  |
|   | <input checked="" type="checkbox"/> Other <u>RE-ENTER ABANDONED WELL<br/>AND ABANDON AGAIN</u>              |
|   | <input type="checkbox"/> Change of Plans  |
|   | <input type="checkbox"/> New Construction   |
|   | <input type="checkbox"/> Non-Routine Fracturing   |
|   | <input type="checkbox"/> Water Shut-Off   |
|   | <input type="checkbox"/> Conversion to Injection  |
|   | <input type="checkbox"/> Dispose Water  |
|   | (Note: Report results of multiple completion<br>on Well Completion or Recompletion Report<br>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.)\*

DATE OF WORK 2-2-95 TO 2-10-95

See attached summary.

RECEIVED  
MAR 20 1995  
OIL CON. DIV.  
DIST. 3

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

Signed STERG KATIRGIS Title SR. ENGINEER Date March 7, 1995

(This space for Federal or State office use)

Approved by Robert Kent Title Chief, Lands and Mineral Resources Date MAR 17 1995  
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

# A - PLUS WELL SERVICE, INC.

P.O. BOX 1979  
FARMINGTON, NM 87499  
505-325-2627 • FAX: 505-325-1211

February 13, 1995

## NORTHWEST PIPELINE CORPORATION

### Indian E #1

890' FNL 1700' FEL

Section 31, T29N, R3W

Rio Arriba County, NM

TR #165 Cont #82

## PLUG AND ABANDONMENT REPORT

### Cementing Summary:

Plug #1 with retainer at 2281', mix 117 sxs cement, squeeze 69 sxs cement below the retainer and outside casing from 2375' to 1975', then spot 48 sxs above the cement to 2031'.

Plug #2 with retainer at 1125', mix 54 sxs Class B cement, squeeze 40 sxs cement below retainer outside casing from 1200' to 1000' and spot 14 sxs cement above retainer to 1052' to cover Nacimiento top.

Plug #3 pump down the 7" casing with 95 sxs Class B cement from 222' to surface, good cement returns out bradenhead.

### Plugging Summary:

- 2-2-95 Drive rig and equipment to county road J10. Road to location too muddy to travel. Service equipment. SDFD.
- 2-3-95 Safety Meeting. Drive rig and equipment to location. Spot drilling equipment and tubing float. Rig up rig. Remove existing P&A marker from casing head. NU rental tubing head. NU BOP. Rig up drilling equipment. PU 6-1/4" long tooth bit and drill out cement from surface to 65'. Circulate well clean. Rig down power swivel. PU 4 3-1/8" drill collars and 2-3/8" tubing workstring; RIH and tag cement at 2280'. Rig up power swivel, pit and pump. Drill cement from 2280' to 2311' in one hour. Circulate well clean. Pull bit up to 2000' and SI well. SDFD.
- 2-6-95 Safety Meeting. Fill casing with 5 bbls water; attempt to pressure test casing, no hold. Established rate into casing leak(s) 1 bpm at 600#; increased pressure to 750# at 1-1/4 bpm; stopped pumping and pressure dropped to 0# in 10 min. RIH with bit and rig up drilling equipment. Drill cement from 2311' to 2312', made 1' in 15 minutes; drilling rate very slow; observed heavy amount of metal cuttings in returns. Drilled to 2327'; made 15' in 3-1/2 hours. Circulate well clean. Rig down power swivel and POH with tubing. Inspect 6-1/4" bit, found the teeth in good shape except on the outside where there is heavy wear. LD drill bit. Shut in well. SDFD.
- 2-7-95 Safety Meeting. Open up well. PU 6-1/4" flat bottom mill with stabilizers and RIH with tubing and 4 3-1/8" drill collars. PU power swivel and start milling/drilling. First 3' slow drilling, 1-1/2 hours; then softer drilling to 2360', made 30' in 3/4 hour; then drilling very slow, heavy metal cutting in returns. Drill to 2375', made 15 feet in 4-1/2 hours. Circulating up lots of metal cuttings with some fine cement. Circulate well clean and then pull up hole to 2000'. SDFD.

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## NORTHWEST PIPELINE COMPANY

INDIAN E #1

890' FNL 1700' FEL

Section 31, T29N, R3W

Rio Arriba County, NM

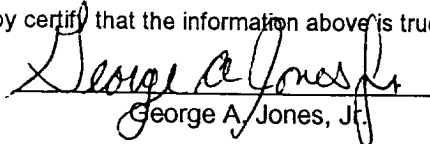
TR #165 Cont #82

## PLUG AND ABANDONMENT REPORT

### Plugging Summary Continued:

- 2-8-95 Safety Meeting. Repair rig, tune motor. POH with 72 jts 2-3/8" tubing and four 3-1/8" drill collars with 6-1/4" flat bottom mill. Found mill was worn down on the sides but looked new on the bottom. PU 6-1/8" drag bit and RIH with 4 3-1/8" collars and tubing to 2375'. PU power swivel and start drilling 60-70 rpm with 6000# on bit. Drilled 3' with heavy metal cuttings in 1-1/2 hours. Reverse circulating while drilling with 500# casing pressure; after two hours bradenhead started flowing 1" stream of water/old drilling mud. Appears 7" casing is collapsed and drilling is just slowly milling through it. Procedure change approved by S. Katirgis, Williams Production Company, and R. Kent, Rio Puerco BLM to P&A well from 2378'. Circulate well clean. LD drilling equipment. RU tubing equipment. POH with tubing and LD 6-1/8" drag bit. Shut in well. SDFD.
- 2-9-95 Safety Meeting. Open up well. RU wireline unit and perforate 4 squeeze holes at 2375'. PU 7" cement retainer and RIH; set at 2281'. Establish rate into squeeze holes 2 bpm at 500#. Plug #1 with retainer at 2281', mix 117 sxs cement, squeeze 69 sxs cement below the retainer and outside casing from 2375' to 1975', then spot 48 sxs above the cement to 2031'. POH with tubing. RIH and perforate 4 squeeze holes at 1200'. POH and rig down wireline truck. PU 7" cement retainer and RIH; set at 1125'. Sting out of retainer. Attempt to pressure test casing, well pressured up to 750# and dropped to 0# in 10 min. Sting into retainer and establish rate 2 bpm at 500#. Plug #2 with retainer at 1125', mix 54 sxs Class B cement, squeeze 40 sxs cement below retainer outside casing from 1200' to 1000' and spot 14 sxs cement above retainer to 1052' to cover Nacimiento top. POH and LD tubing and setting tool. Perforate 4 squeeze holes at 222'. Establish circulation out bradenhead with 7 bbls water. Plug #3 pump down the 7" casing with 95 sxs Class B cement from 222' to surface, good cement returns out bradenhead. Shut in well, WOC. RD tubing equipment. Dig out wellhead. SDFD.
- 2-10-95 Safety Meeting. Open up well. ND BOP. Mix 30 sxs Class B cement and top casing off with 20 sxs cement and install P&A marker with 10 sxs cement. RD rig and move off location.  
Notified Rio Puerco BLM 3:00 PM, 1/31/95, no representative on location.

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

  
George A. Jones, Jr.

Rig Superintendent

February 13, 1995