Form 3160-5 (June 1990)

#### **UNITED STATES** DEPARTMENT OF THE INTERIOR **BUREAU OF LAND MANAGEMENT**

FORM APPROVED
Budget Bureau No. 1004-013

Lease Designation and

5.

Expires: March

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir. 6. If Indian, Allottee or Tribe Name Use "APPLICATION FOR PERMIT--" for such proposals. SUBMIT IN TRIPLICATE JICARILLA APACHE Type of Well If Unit or CA, Agreement Designation Oil Gas Well Other Well **JICARILLA CONTRACT #97** Name of Operator Well Name and No. Sonda Will Corp CORDILLERA ENERGY, INC TRIBAL C1E Address and Telephone No. API Well No. 5802 HIGHWAY 64, FARMINGTON, NM 87401 Phone: (505) 632-8056 30-39-23475 LOCATION OF WELL (Footage, Sec.,  $T_{\cdot, \cdot}$   $R_{\cdot, \cdot}$  M., or Survey Description) 10. Field and Pool, Or Exploratory Area 1520' FNL & 1235' FWL - UL "F" WILDHORSE GP/BASIN DK SEC. 6. T26N. R03W County or Parish, State RIO ARRIBA, NEW MEXICO CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA 12. TYPE OF SUBMISSION TYPE OF ACTION Notice of Intent Abandonment Change of Plans Recompletion **New Construction** Subsequent Report Plugging Back Non-Routine Fracturing Casing Repair Water Shut-Off Final Abandonment Notice **Altering Casing** Conversion to Injection Other Dispose Water (Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.) 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 directional drilled, 13 give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.) Above referenced well was plugged and abandoned as described in attached "Plug & Abandonment Report" on January 31, 2002. 14. I hereby certify that the foregoing is true and correct Signed Title PRODUCTION TECHNICIAN Date March 1, 2002 (This space for Federal or State office use) Approved by Title Conditions of Approval, if any:

\*See Instruction on Reverse Side

fraudulent statements or representations as to any matter within its jurisdiction.

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and wilfully to make any department or agency of the United States any false, fictious or

## A-PLUS WELL SERVICE, INC.

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

Cordillera Energy Inc **Tribal C #1E**1520' FML & 1235' FWL, Section 6, T-26-N, R-3-W
Rio Arriba County, NM

Jicarilla Contract #97

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Plug & Abandonment Report

#### **Cementing Summary:**

API 30-039-23475

Plug #1 & 2 with retainer at 7058', spot 28 sxs cement inside casing above retainer up to 6811' to isolate the Dakota and Gallup perforations.

Plug #3 with 18 sxs cement inside casing from 5512' to 5353' to cover Mesaverde top.

Plug #4 with 60 sxs cement inside casing from 4104' to 3682' to cover casing shoe, liner top and Pictured Cliffs top.

Plug #5 with 98 sxs cement inside casing from 3603' to 3167' to cover Fruitland, Kirtland and Ojo Alamo tops.

Plug #6 with 72 sxs cement inside casing from 1936' to 1615' to cover Nacimiento top.

Plug #7 with 175 sxs cement pumped down the casing from 344' to surface, circulate cement out bradenhead.

#### **Plugging Summary:**

Notified JAT on 1/28/02

- 1-28-02 Road rig and equipment to location. RU. SDFD.
- 1-29-02 Safety Meeting. Layout relief line to pit. Blow down: 460# on casing, 460# on Dakota tubing, then 320# Gallup tubing and 20# bradenhead. While blowing down the casing the Dakota tubing pressure dropped. Pump 30 bbls water down Gallup tubing to kill well. ND wellhead. NU BOP and offset spool. Unseat donut on Gallup tubing. Start to TOH with tubing, tubing hanging up on something approximately 8' from surface. TOH and LD 227 joints 1-1/2" IJ tubing with SN. ND offset spool and change over pipe rams. Unseat and remove donut on DK tubing. Attempt to work packer free, stuck. Shut in well. SDFD.
- 1-30-02 Safety Meeting. Blow down 165# casing pressure and 100# DK tubing pressure. RU A-Plus wireline truck. RIH with 1.39" gauge ring to 6419', unable to go deeper. TOH. RIH with 1.23" gauge ring and work through tight spot at 6419' and continue in hole to 7583', unable to get deeper. TOH. RIH with 1.39" gauge ring to 7583', unable to get deeper, TOH. Pump 8 bbls water down tubing. Pressured up to 1000#, would not hold. RIH with tubing cutter and wireline. Jet cut 1-1/2" tubing at 7400'. POH. Tubing free, start to TOH and rig hydraulic hose broke. SDFD.
- 1-31-02 Safety Meeting. Blow down 740# casing and tubing pressures. TOH and tally 222 joints 1-1/2" EUE tubing, total 7408'. Round-trip 4.5" gauge ring to 7100'. TIH and set 5-1/2" DHS retainer at 7058'. Load tubing with 15 bbls water and attempt to pressure test to1000#, leak. Sting out of retainer. TOH with tubing. SDFD.

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**Plug & Abandonment Report** 

### **Plugging Summary Continued:**

- 2-01-02 Safety Meeting. Open up well, no pressures. TIH with bull plug and 60 joints tubing (replaced 192 joint, bad collar) and PT to 1000#, OK. Continue to TIH in 60 joint intervals and pressure test tubing, changed out 43<sup>rd</sup> and 52<sup>nd</sup> joints due to pin holes in tubing. TOH with 91 joints tubing. Shut in well. SDFD.
- 2-04-02 Safety Meeting. Open up well, no pressures. TOH with 120 joints tubing and bull plug. TIH with stinger and tag CR at 7058'. Line pit with plastic. Load casing with 200 bbls water and circulate well clean with additional 12 bbls. Attempt to pressure test casing, leak. Sting into retainer and attempt to establish rate into squeeze holes. Pressured up to 1500#. Sting out of retainer. Procedure change approved B. Hammon with JAT. Combine Plug #1&2 with retainer at 7058', spot 28 sxs cement inside casing above retainer up to 6811' to isolate the Dakota and Gallup perforations. PUH to 5512'. Plug #3 with 18 sxs cement inside casing from 5512' to 5353' to cover Mesaverde top. PUH with tubing. Shut in well. SDFD.
- 2-05-02 Safety Meeting. TIH and tag cement at 5404'. Attempt to circulate well clean, tubing plugged. Pressure test casing to 500# for 10 min, held OK. TOH with tubing, found 3 joints plugged with cement. TIH with tubing and circulate well clean. Plug #4 with 60 sxs cement inside casing from 4104' to 3682' to cover casing shoe, liner top and Pictured Cliffs top. PUH to 3603'. Plug #5 with 98 sxs cement inside casing from 3603' to 3167' to cover Fruitland, Kirtland and Ojo Alamo tops. TOH with tubing. Shut in well. SDFD.
- 2-06-02 Safety Meeting. Perforate 3 HSC squeeze holes at 1865'. Attempt to establish rate into squeeze, pressured up to 1500#. Procedure change approved B. Hammon with JAT. Plug #6 with 72 sxs cement inside casing from 1936' to 1615' to cover Nacimiento top. TOH with tubing and WOC. RU wireline and tag cement at 1622'. Perforate 3 HSC squeeze holes at 344'. Pump 20 bbls water down casing and establish circulation out bradenhead. Plug #7 with 175 sxs cement pumped down the casing from 344' to surface, circulate cement out bradenhead. Shut in well. Finish digging out wellhead. SDFD.
- 2-07-02 Safety Meeting. ND BOP. Cut off wellhead. Found cement down 2' in casing and down 2' in annulus. Mix 12 sxs cement to install P&A marker. RD and MOL. B. Hammon with JAT, was on location.