

OIL CONSERVATION DIVISION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

Form C-103  
Revised 10-1-78

NO. OF COPIES RECEIVED	
DISTRIBUTION	
SANTA FE	
FILE	
U.S.G.S.	
LAND OFFICE	
OPERATOR	

5a. Indicate Type of Lease	
State <input checked="" type="checkbox"/>	Fee <input type="checkbox"/>
5. State Oil & Gas Lease No.	
V-1697	

SUNDRY NOTICES AND REPORTS ON WELLS  
DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK. FOR OTHER RESERVOIR.  
USE APPLICATION FOR PERMIT - " (FORM C-101) FOR SUCH PROPOSALS.

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER-		7. Unit Agreement Name
2. Name of Operator		Alamito Unit
3. Address of Operator		8. Form or Lease Name
BCO, INC.		
9. Well No.		
135 Grant, Santa Fe, N.M. 87501		3
4. Location of Well		10. Field and Pool, or Wildcat
UNIT LETTER E 1980 FEET FROM THE North LINE AND 760 FEET FROM		Alamito Gallup
THE West LINE, SECTION 32 TOWNSHIP 23N RANGE 7W N.M.P.M.		
15. Elevation (Show whether DF, RT, GR, etc.)		12. County
6850 GR		Sandoval

16. Check Appropriate Box To Indicate Nature of Notice, Report or Other Data  
NOTICE OF INTENTION TO: SUBSEQUENT REPORT OF:

PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>	PLUG AND ABANDONMENT <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	OTHER <input type="checkbox"/>	CASING TEST AND CEMENT JOB <input checked="" type="checkbox"/>	OTHER <input type="checkbox"/>

17. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

August 23-26, 1987 Drilled 7-7/8" hole to 5170'. Bits were run as follows:

Bit #	Type	Date Out	Footage Out	Rotation Hours	Feet Drilled	Average per Hour	Deviation
1	OSC1G	8/22/87	228	2-1/4	228	101	1/8°
2	HP11	8/23/87	2463	23-1/4	2235	94	3/4°
3	SE135	8/25/87	4526	46-3/4	2063	44	1-3/4°
4	V527	8/26/87	5170	23	644	28	1-1/4°

August 27, 1987

Ran Induction Guard Log and Spectral Density DSN II Log. Welex will mail a copy of the log to the OCD. Ran 5167' of 11.6# J55 4 1/2" casing. One stage long string cement job was run from T.D. to surface. Ran 5 barrels fresh water; 10 barrels CaCl Water; 10 barrels fresh water; 24 barrels flocheck 21. Washed pump. Ran 5 barrels fresh water. The lead cement was 1300 sacks of 65/35 Premium/Pozmix-A with 3% gel, 12-1/2 lbs gilsonite per sack, 10% salt, 10% CalSeal (about 412 barrels slurry) mixed at 13 pounds with a yield of 1.78 cubic feet per sack, or 2314 cubic feet. This was followed by the tail cement, 150 sacks of Premium cement

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

SIGNED Elizabeth B. Keeshan TITLE Vice President DATE 9/10/87

Original Signed by CHARLES GHOLSON

DEPUTY OIL & GAS INSPECTOR, DIST. #3

SEP 11 1987

APPROVED BY  
CONDITIONS OF APPROVAL, IF ANY:

Operator: BCO, Inc.  
135 Grant Ave.  
Santa Fe, N.M. 87501

SUNDRY NOTICES AND REPORTS ON WELLS

Lease No: V-1697  
Alamito Unit #3  
Alamito Gallup  
Page 2

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with 2% CaCl<sub>2</sub>, 8# salt, 1/4 lb Flocele per sack, 6-1/4 lb  
Gilsonite per sack (about 37 bbls slurry) mixed at 15.2 lbs with a  
yield of 1.377 cubic feet per sack or 207 cubic feet. Cement was  
designed to circulate. Circulated approximately 138 barrels of  
cement.

August 28, 1987

Moved off location. Will complete well in September or October  
unless bad weather prevents.

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5a. Indicate Type of Lease	
State <input checked="" type="checkbox"/>	Fee <input type="checkbox"/>
5. State Oil & Gas Lease No.	
V-1697	

## SUNDRY NOTICES AND REPORTS ON WELLS

(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-01) FOR SUCH PROPOSALS.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		7. Unit Agreement Name Alamito Unit	
2. Name of Operator BCO, INC.		8. Farm or Lease Name	
3. Address of Operator 135 Grant, Santa Fe, N.M. 87501		9. Well No. 3	
4. Location of Well UNIT LETTER <u>E</u> <u>1980</u> FEET FROM THE <u>North</u> LINE AND <u>760</u> FEET FROM THE <u>West</u> LINE, SECTION <u>32</u> TOWNSHIP <u>23N</u> RANGE <u>7W</u> N.M.P.M.		10. Field and Pool, or Wildcat Alamito Gallup	
15. Elevation (Show whether DF, RT, GR, etc.) 5850 GR		12. County Sandoval	

## Check Appropriate Box To Indicate Nature of Notice, Report or Other Data

## NOTICE OF INTENTION TO:

## SUBSEQUENT REPORT OF:

PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLAYS <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>	PLUG AND ABANDONMENT <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	OTHER <input type="checkbox"/>	CASING TEST AND CEMENT JOBS <input type="checkbox"/>	OTHER <u>Perforation and fracking</u> <input checked="" type="checkbox"/>

17. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

September 18 Moved rig to location.

September 21 Went in hole. Tagged cement at 5052'. Drilled cement to 5131, which is PBTD.

September 22 Schlumberger ran a Cement Bond Log with VDL/GR/CCL from 3530'-5131'. Schlumberger will mail a copy of the log to the OCD. Perforated with 0.32" holes at 4957', 4980', 4995', 5012', 5052', 5080'. Perforated with 0.39" holes at 4800', 4806', 4916', 4920', 4928', 4936'.

September 23 Broke down perforations with 1500 gallons 7½% double inhibited HCL acid and straddle packers. Came out of hole.

September 24 Treated 59,000 gallons of water with 295 gallons TRI-S, 118 gallons of 3N, 17,200 lbs of KCL, 59 gallons LP55 scalecheck, 1200 lbs WG-11, 100 lbs HYG-3, 100 lbs K-34, and 35 lbs GBW-30.

Sand water foam fracked (70%) 4800'-5080' with 182,000 gallons of foam, 330,000 lbs 20-40 sand, 2,950,900 standard cubic feet of nitrogen. (Continued)

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

SIGNED Elizabeth B. Keeshan TITLE Vice President DATE 9/29/87

APPROVED BY Charles Sholom TITLE DEPUTY OIL & GAS INSPECTOR, DIST. #3 DATE Sept. 30 1987

CONDITIONS OF APPROVAL, IF ANY:

Operator: BCO, Inc.  
135 Grant Ave.  
Santa Fe, N.M. 87501

SUNDRY NOTICES AND REPORTS ON WELLS

Lease No: V-1697  
Alamito Unit #3  
Alamito Gallup  
Page Two

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September 24      Average treating pressure 3200 lbs at 35 foam barrels per minute.  
ISIP 2000, 5 min. 1830, 10 min. 1820, 15 min. 1820.

September 25      Well was flowing to tank. Went in with expandable check. Tagged sand  
at 5065'. Cleaned out sand to 5131'. Landed 2-3/8" tubing at 5024'.  
Pumped out expandable check. Put well in production.

September 26      Rigged down..

September 28      Dropped piston. Will use piston once a day to cut paraffin. Well is  
still flowing. Initial potential of Gallup was determined to be 46 BOPD  
and 276 MCF with 43 barrels of recovered frac water. Will operate well  
on piston when well quits flowing.