

EC-639-65096

F. Loc: 660/S; 660/W Elev. 7311 DF Spd. 8-15-56 Comp. 12-1-74 TD 6800 98 6649
 Coating S. 10 3/4 @ 197 W 235 Cu. Ft. @ W 300 @ 6800 W 300 S 1 1/2 @ 6616
 Csg Perf: 6600-6620 Prod. Stm. 500F
 Grav. 45' 1st Del. Gas 4-1-78 1st Del. Oil
 R A N S

TOPS		Well Log		TEST DATA					
Op Alamo	NIID X	Plot	Schd.	PC	Q	PW	PD	D	Ref. No.
Kirtland	C-103	✓	8/17/81	1368	6	316	684	5	
Fruitland	C-104	Electric Log							
Pictured Cliffs	Dir	Dio							
Chacra	Dir	Doc							
Cliff House	3096	GAL. IN 115 DHT-R-674							
Menefee									
Point Lookout	4545								
Mancos	4710								
Gallup	5575								
Greenhorn	6562								
Dakota	6740								
Entrada	6572								

Basin DAK. Co. RA S 10 T 23N R 7W UM Oper. BCO, INC. Loo. Dunn No. 2E

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.

SF-078272

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

SUBMIT IN TRIPLICATE

8. Well Name and No.

DUNN 2E

9. API Well No.

3003905096

10. Field and Pool, or Exploratory Area

Hybrook Gallup

11. County or Parish, State

Rio Arriba, NM

1. Type of Well

Oil Well Gas Well Other

2. Name of Operator

BCO, INC.

3. Address and Telephone No.

135 Grant, Santa Fe, NM 87501, (505) 983-1228

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

660' FSL + 660' FWL, NMPM
S10-T23N-R7W, 7299' GR

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.)*

OCT 21 1993 4:40 PM
OIL CON. DIV.
DIST. 3

CERTIFIED RETURN RECEIPT REQUESTED: P326 823 117

ATTACHMENT: DETAILED SUBSEQUENT REPORT

RECEIVED

NOV 1 1993

OIL CON. DIV.
DIST. 3

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

Signed

Paul Wilcox

Title

Senior Field Engineer

Date

10-19-93

(This space for Federal or State office use)

ACCEPTED FOR RECORD

Approved by

Title

Date

Conditions of approval, if any:

OCT 28 1993

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.

FARMINGTON DISTRICT OFFICE

BY *[Signature]*

*See Instruction on Reverse Side

NIMCOO

ON OCTOBER 1, 1993 AT 9:30 AM, BCO, INC. RECEIVED VERBAL APPROVAL FROM WAYNE TOWNSEND WITH THE BLM TO PLUG THE GRANEROS FORMATION, PERFORATE SQUEEZE HOLES BELOW THE GALLUP FORMATION AND SQUEEZE AND TO RECOMPLETE THE GALLUP FORMATION.

ON OCTOBER 6, 1993 AT 10:30 AM, BCO, INC. CONTACTED CAROL GALL WITH THE BLM AND NOTIFIED HER OF THE PLUG BACK AND REMEDIAL CEMENT WORK PLANNED FOR OCTOBER 7, 1993 AT 8:00 AM.

10/06/93: MOVED IN AND RIGGED UP FLINT ENG. & CONST. RIG 4112. RIGGED UP, NIPPLED DOWN WELL HEAD, NIPPLED UP ADAPTOR FLANGE, TAGGED BOTTOM AND TRIPPED (STRAPPED) OUT OF THE HOLE WITH 1 1/2" EUE TUBING. TRIPPED IN HOLE WITH 3 1/2" CEMENT RETAINER AND SET AT 6016'.

10/07/93: RIGGED UP HALLIBURTON AND PUMPED 28 SX OF CLASS "B" CEMENT INTO PERFS FROM 6660' TO 6620 FEET. STUNG OUT OF RETAINER AND PUMPED 2 SX OF CEMENT ON TOP OF RETAINER, PICKED UP 60' AND REVERSED OUT. TRIPPED OUT OF THE HOLE WITH 1 1/2" TUBING. RIGGED UP PETRO AND SHOT SQUEEZE HOLES AT: 5840', 5900', 5914', 5916', PERFORATIONS AT 5730', 5733', 5736', 5739', 5612', 5616', 5620', 5624' AND SET WIRE LINE SET CEMENT RETAINER SET AT 5826'. TRIPPED IN THE HOLE AND STUNG INTO RETAINER AT 5826', THE INJECTION RATE WAS 1 BPM AT 2800 PSIG, PICKED UP IN THE RETAINER AND TESTED THE TUBING TO 4000 PSIG, STUNG INTO THE RETAINER AND PUMPED 12 BARRELS OF SLURRY (57 SX OF CLASS "B" CEMENT), STUNG OUT OF THE RETAINER AND REVERSE CIRCULATED TUBING CLEAN, TRIPPED OUT OF THE HOLE WITH 10 STANDS OF TUBING AND SHUT DOWN.

10/08/93: FINISHED TRIPPING OUT OF THE HOLE WITH STINGER, PICKED UP 3 1/2" RTTS PACKER AND RBP AND TRIPPED IN THE HOLE. TAGGED AT 5781', THIS LEAVES 42 FOOT OF RAT HOLE, 2 SX OF CEMENT ON TOP OF RETAINER. RIGGED UP HALLIBURTON AND PICKLED TUBING WITH 400 GALLONS OF 10 PERCENT DI FE-HCL ACID. PUMPED 1200 GALLONS OF ACID DOWN THE TUBING PUMPED 467 GALLONS OF WATER DOWN THE TUBING (LEAVING 150 GALLONS OF ACID IN THE TUBING). SET UP ON 5739' PERF AND ATTEMPTED TO BREAK DOWN, THE BREAK DOWN WAS CANCELLED DUE TO HALLIBURTON EQUIPMENT PROBLEMS. TRIPPED OUT OF THE HOLE WITH PACKER AND RBP.

10/11/93: TRIPPED IN THE HOLE WITH RTTS PACKER AND RBP. TESTED PACKER HALF WAY IN TO 2500 PSIG, TEST HELD. SET UP ON FIRST PERF AND CONTINUED MOVING UPWARD UNTIL ALL PERFS HAD BEEN BROKEN DOWN, REVERSE CIRCULATED HOLE CLEAN WITH 30 BBLs WATER, TRIPPED OUT OF THE HOLE WITH RTTS PACKER AND RBP. NIPPLED DOWN BOP AND NIPPLED UP FRAC VALVE, SHUT DOWN.

10/14/93: Rigged up Halliburton to Fracture the Gallup Formation. Pumped 400 gallons of 15 percent DI FE-HCL Acid and displaced with 1750 gallons of water. Treated 38,846 gallons of water with 72 gallons of Clayfix II, 250 gallons of LGC-V, 170 gallons of AQF-2, 85 gallons of 3N, 9 pounds of

BE-6, 5 pounds of GBW-3, 107 pounds of SP Breaker, and 35 gallons of Scalecheck LP-55. Sand-water foam frack (70 quality N2 Foam) 5612' to 5739' with 116,202 gallons of foam, 200,000 pounds of 16/30 Brady Sand and 2,138,071 standard cubic feet of Nitrogen. The average treating pressure was 4600 PSIG at 22 foam barrels per minute. The well was flushed with water and the ISIP was 970 PSIG, 884 PSIG at 5 minutes, 863 PSIG at 10 minutes and 848 PSIG at 15 minutes. Well was opened one hour after frac on a 1/2" positive choke.

10/15/93: Killed Well. Went in with tubing to clean out sand to PBTD at 5781'. Cleaned out sand from 5743' to 5781' with 124,400 SCF of Nitrogen and Landed 1 1/2" EUE tubing at 5740'. Kicked well off with 33,000 standard cubic feet of Nitrogen. Placed well in production (test) to clean up and determine initial potential.

Tubing: 1 1/2" EUE, 2.9 LB/FT, LANDED AT 5740 FEET
Casing: 3 1/2", 9.3#, PBTD----->5781 FEET