

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

5. Lease Designation and Serial No.

NM-6682

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

FEDERAL B #20

9. API Well No.

30-043-20919

10. Field and Pool, or Exploratory Area

LYBROOK GALLUP

11. County or Parish, State

SANDOVAL, NM

SUBMIT IN TRIPLICATE

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)

2035 FNL & 950 FEL, NMPM
SE/4 OF THE NE/4 (H)
S21-T23N-R7W, GR=7445'

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 CEMENT 4 1/2"
PROD. CASING

- ☐ 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.)

THE BLM WAS NOTIFIED VIA THE CEMENT PHONE AT 8:00 AM ON 02/21/94
4 1/2" CSG WOULD BE RUN AND CEMENTED @ 11:00 PM ON 02/21/94.
CASING: 133 JTS, 4 1/2" J55, 11.6#, SET AT 5972'
CENTRALIZERS: 11 GALLUP, 10 SPACED ABOVE GALLUP, 2 F. M. OJO
CEMENT BASKETS: 5461', 4515', 1732'
LEAD: 1000 SX 65/35 POZ, 12% BENTONITE, 6.25 LB/SX FLOCELE AND
0.6% HALAD-322, DENSITY=11.3 PPG, YIELD=2.64 CUBIC FEET/SX
TAIL: 150 SX CLASS "G" PREMIUM, 6.25 LB/SX GILSONITE, 8 BL/SX
SALT, 0.5 LB/SX FLOCELE AND 2% CALCIUM CHLORIDE, DENSITY=15.2 PPG,
YIELD=1.38 CUBIC FEET PER SX
THE PLUG WAS DOWN AT 3:08 AM ON FEBRUARY 22, 1994

CIRCULATED 17 BARRELS (95 CUBIC FEET) OF CEMENT TO SURFACE

CERTIFIED RETURN RECEIPT REQUESTED: P626 361 838

(SEE ATTACHED HALLIBURTON JOB LOG)

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

Signed [Signature]

Title SENIOR FIELD ENGINEER

Date 02/22/94

(This space for Federal or State office use)

Approved by _____
Conditions of approval, if any:

Title _____ Date _____

ACCEPTED FOR RECORD

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

FARMINGTON DISTRICT OFFICE
BY [Signature]

JOB LOG FORM 2013 R-4

DATE **2-21-94** PAGE NO. **1**

CUSTOMER **E.C.O.** WELL NO. **E#20** LEASE **Fed** JOB TYPE **4 1/2" L.S.** TICKET NO. **556606**

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMP	PRESSURE (PSI) TUBING	PRESSURE (PSI) CASING	DESCRIPTION OF OPERATION AND MATERIALS
	20:00						on loc. Rig up
	00:30						safety meeting
	00:55	6				0	start H ₂ O flush
	00:57	6	10			365	start CC 25m
	00:59	6	10			380	start spacer H ₂ O
	01:02	6	10			415	start 20 BBL Super Flush 102
	01:06	6	20			450	start H ₂ O spacer
	01:08	Q2	10			475	shut down B in Plugged off
	01:15	6/7				225	start cont lead @ 11.5"/gal
	01:16	0	16			250	shut down more plugged off
	01:20	6/7				290	start cont again @ 11.5"/gal
	02:26	6/7	444			253	start Tail cmt @ 15.1"/gal
	02:32	QD	39			190	shut down Prep plug wash lines
	02:37	6/7				180	start Disol 20 BBL Super & Chlx II
	02:47	2/4	60			375	Acc. Rate
	02:57	0	36			1550	shut down string landed
							P.S.E. Before Plug landed
							@ 1200
							10 BBL H ₂ O
							10 BBL CC
							10 BBL H ₂ O
							20 BBL Super Flush
							10 BBL H ₂ O
							460 BBL Lead cmt @ 11.5"/gal
							39 BBL Tail cmt @ 15.1"/gal
							92 BBL (Disol, 20 BBL Super + Chlx II @ 4/min)
							(72 w/ 2 gal/min Chlx II)
							circulated for 17 BBL
							good cmt to surf.

WELL DATA

FIELD _____ SEC. _____ TWP. _____ RNG. _____ COUNTY Camden STATE N.J.

FORMATION NAME _____ TYPE _____
FORMATION THICKNESS _____ FROM _____ TO _____
INITIAL PROD: OIL _____ BPD. WATER _____ BRD. GAS _____ MCFD
PRESENT PROD: OIL _____ BPD. WATER _____ BRD. GAS _____ MCFD
COMPLETION DATE _____ MUD TYPE _____ MUD WT. _____
PACKER TYPE _____ SET AT _____
BOTTOM HOLE TEMP. _____ PRESSURE _____
MISC. DATA _____ TOTAL DEPTH _____

	NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
CASING	SA	11.6	4 1/2	RT	5980	2500
LINER						
TUBING						
OPEN HOLE						SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

JOB DATA

TOOLS AND ACCESSORIES			
TYPE AND SIZE	QTY.	MAKE	
FLOAT COLLAR 55 1/2 4 1/2	1	Hawco	
FLOAT SHOE 25 1/2 1 1/2	1	H	
GUIDE SHOE 55 1/2 4 1/2	1	H	
CENTRALIZERS Reg. 1 1/2 2 1/2	21	H	
BOTTOM PLUG			
TOP PLUG 55 1/2 4 1/2	1	H	
HEAD Set 2 4 1/2	1	Hawco	
PACKER			
OTHER For Centralizers 55 1/2 4 1/2	2	H	

CALLER OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE 2-21-94 TIME 16:00	DATE 2-21-94 TIME 17:30	DATE 2-21-94 TIME 18:55	DATE 2-22-94 TIME 01:57

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
Rich Calkin	28874	
72572	Picking	EE920
Landy, Marie	77104	"
F-51227	A.D.C.	"
2. T. A. Lewis		"
G-1603	Run	"
J. M. Miller	4182	"
G-1604	Run	"
Rodney Kellchot	41432	"
G-2783	Run	"

TREAT. FLUID _____ DENSITY _____ LB/GAL. _____ API _____

DISPL. FLUID _____ DENSITY _____ LB/GAL. _____ API _____

PROP. TYPE _____ SIZE _____ FL. _____

PROP. TYPE _____ SIZE _____ LB. _____

ACID TYPE _____ GAL. _____ % _____

ACID TYPE _____ GAL. _____ % _____

ACID TYPE _____ GAL. _____ % _____

SURFACTANT TYPE _____ GAL. _____ IN _____

NE AGENT TYPE _____ GAL. _____ IN _____

FLUID LOSS ADD. TYPE _____ GAL.-LB. _____ IN _____

GELLING AGENT TYPE _____ GAL.-LB. _____ IN _____

FRIC. RED. AGENT TYPE _____ GAL.-LB. _____ IN _____

BREAKER TYPE _____ GAL.-LB. _____ IN _____

BLOCKING AGENT TYPE _____ GAL.-LB. _____

PERFPAC BALLS TYPE _____ QTY. _____

OTHER _____

OTHER _____

DEPARTMENT 3001
DESCRIPTION OF JOB "1 1/2" L.S.

JOB DONE THRU: TUBING ☐ CASING ☒ ANNULUS ☐ TBG./ANN. ☐

CUSTOMER REPRESENTATIVE **X** Rick Wilcox

HALLIBURTON OPERATOR *Rich Halliburton* COPIES REQUESTED 1

CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU. FT./SK.	MIXED LBS./GAL.
1	1000	HL 65/35	Ident	R	15% Cal. Gk ³ /sk. 1/2% 1/2" Flacole		
2	150	Premium	Ident	R	15% 1/2" Flacole 2 1/2% 1/2" Flacole 1 1/2% 1/2" Flacole 1 1/2% 1/2" Flacole	11.3	11.3

PRESSURES IN PSI

CIRCULATING _____ DISPLACEMENT _____
BREAKDOWN _____ MAXIMUM _____
AVERAGE _____ FRACTURE GRADIENT _____
SHUT-IN: INSTANT _____ 5-MIN _____ 15-MIN. _____
HYDRAULIC HORSEPOWER _____

SUMMARY

PRESLUSH: BBL.-GAL. 60 BBL. TYPE _____
LOAD & BKDN: BBL.-GAL. _____ PAD: BBL.-GAL. _____
TREATMENT: BBL.-GAL. _____ DISPL. BBL.-GAL. 92 BBL.
CEMENT SLURRY: BBL.-GAL. 499
TOTAL VOLUME: BBL.-GAL. 151

REMARKS

ORDERED _____ AVAILABLE _____ USED _____
AVERAGE RATES IN: BPM

TREATING _____ DISPL _____ OVERALL _____
CEMENT LEFT IN PIPE

FEET 4.5 REASON 5

Refer to Job log.