



BRUCE KING
GOVERNOR

ANITA LOCKWOOD
CABINET SECRETARY

STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT
OIL CONSERVATION DIVISION



POST OFFICE BOX 2088
STATE LAND OFFICE BUILDING
SANTA FE, NEW MEXICO 87504
(505) 827-5800

December 29, 1993

BCO, Inc.
135 Grant Avenue
Santa Fe, NM 87501

Attention: Rick Wilcox

Amended Administrative Order NSL-3183

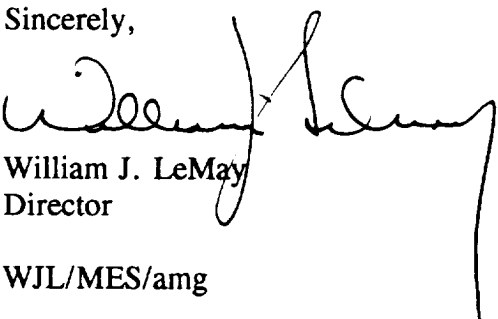
Dear Mr. Wilcox:

Reference is made to your application dated December 3, 1993 to change the location of your proposed Federal "B" Well No. 13 from the previously approved unorthodox oil well location, in the Undesignated Lybrook Gallup Oil Pool, of 885 feet from the South line and 1158 feet from the East line (Unit P) of Section 22, Township 23 North, Range 7 West, NMPM, Sandoval County, New Mexico, to another non-standard oil well location that is 1195 feet from the South line and 445 feet from the East line (also in Unit P) of said Section 22.

By the authority granted me under the provisions of General Rule 104.F.(1) the above-described unorthodox oil well location is hereby approved.

All other provisions of the original Administrative Order NSL-3183, dated October 22, 1992, shall remain in full force and effect until further notice.

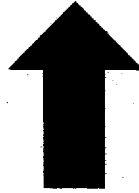
Sincerely,


William J. LeMay
Director

WJL/MES/amg

RECEIVED
JAN 05 1994
OIL CON. DIV.
DIST. 3

Q 3713320
NO 1100 100
8 133



LTR



Job separation sheet

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED
BLM

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 <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other	5. Lease Designation and Serial No. NM-6682
2. Name of Operator BCO, INC.	6. If Indian, Allottee or Tribe Name
3. Address and Telephone No. 135 GRANT, SANTA FE, NM 87501 (505) 983-1228	7. If Unit or CA, Agreement Designation
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) 1195' FSL & 445' FEL, NMPM SE/4 OF THE SE/4 (P) S22-T23N-R7W	8. Well Name and No. FEDERAL B #13
	9. API Well No. 30-043-20915
	10. Field and Pool, or Exploratory Area LYBROOK GALLUP
	11. County or Parish, State SANDOVAL, NM

12. 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 type="checkbox"/> Abandonment
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input checked="" type="checkbox"/> Other SPUD & CEMENT SURFACE CASING
	<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 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.)*

MARK KELLY (BLM) WAS NOTIFIED 01/31/94 THAT THE WELL WOULD BE
SPUDDERED 02/01/94 AND SURFACE PIPE CEMENTED THE SAME DAY.

THE WELL WAS SPUDDERED AT 3:00 PM ON FEBRUARY 1, 1994. A 12 1/4" HOLE WAS DRILLED TO 376' AND 8 JOINTS OF 8 5/8", ST&C, 24#, J55, CASING WAS RUN AND SET AT 370'. CENTRALIZERS WERE RAN ON THE BOTTOM THREE JOINTS OF CASING. THE CASING WAS CEMENTED WITH 275 SX OF "B" WITH 2% CALCIUM CHLORIDE AND 0.25 LB/SX FLOCELE, THE DENSITY WAS 15.6 LBS/GALLON AND THE YIELD WAS 1.18 CUBIC FEET PER SX. TWO BARRELS (10 SX) OF CEMENT WAS CIRCULATED TO THE SURFACE. THE PLUG WAS DOWN AT 9:00 PM ON FEBRUARY 1, 1994. (SEE ATTACHED HALLIBURTON JOB LOG).

AFTER TEN HOURS THE BOP AND CASING WAS TESTED TO 1000 PSIG FOR THIRTY MINUTES, THE TEST HELD.

CERTIFIED RETURN RECEIPT REQUESTED: P326 823 105

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

Signed <u><i>Mark Kelly</i></u>	Title SENIOR FIELD ENGINEER	Date 02/02/94
(This space for Federal or State office use)		
Approved by _____	Title _____	Date _____
Conditions of approval, if any:		

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.

FEB 07 1994

*See Instruction on Reverse Side
NMOCD

FARMINGTON DISTRICT OFFICE
Smr

WELL DATA

FIELD _____ SEC. _____ TWP. _____ RANG. _____ COUNTY Sandoval STATE N.M.

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

JOB DATA

DATE	TIME	DATE	TIME	DATE	TIME	DATE	TIME
2-1-94	15:30	2-1-94	18:30	2-1-94	20:43	2-1-94	21:04

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
Rich Calkin	38874	
72572	Pickup	55930
Randy Moore	756141	11
F-15827	R.L.M.	
Keith Larson	3945	11
6-2551	Bulk	11

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
Float Collar		
Float Shoe		
Guide Shoe		
Centralizers	5-4 8 3/8 x 12 1/2	3 Howco
Bottom Plug		
Top Plug	Wooden 8 3/8	1 Howco
Head		
Packer		
Other		

MATERIALS

TREAT. FLUID _____ DENSITY _____ LB/GAL. API
DISPL. FLUID _____ DENSITY _____ LB/GAL. API
PROP. TYPE _____ SIZE _____ LB.
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
FRIG. RED. AGENT TYPE _____ GAL.-LB. _____ IN
BREAKER TYPE _____ GAL.-LB. _____ IN
BLOCKING AGENT TYPE _____ GAL.-LB. _____ IN
PERFRAC BALLS TYPE _____ QTY. _____
OTHER _____
OTHER _____

DEPARTMENT 5001
DESCRIPTION OF JOB 8 3/8" Surt.

JOB DONE THRU: TUBING ☐ CASING ☐ ANNULUS ☐ TBC/ANN. ☐

CUSTOMER REPRESENTATIVE X Rich Calkin

HALLIBURTON OPERATOR Rich Calkin COPIES REQUESTED 1

CEMENT DATA

STAGE	NUMBER OF BAGS	CEMENT	BRAND	BULK SACKED	ADDITIONS	YIELD CU.FT./SK.	MIXED LBS./GAL.
1	275	Std.	Idem	B	2% Cal 1/2 1/2 #/SK Horele	1.12	15.6

PRESSURES IN PSI

SUMMARY

VOLUMES

CIRCULATING _____ DISPLACEMENT _____ PRESURUSH: BBL. GAL. 10 BBL TYPE H2O
BREAKDOWN _____ MAXIMUM _____ LOAD & BKDN: BBL. GAL. _____ PAD: BBL. GAL. _____
AVERAGE _____ FRACTURE GRADIENT _____ TREATMENT: BBL. GAL. _____ DISPL.: BBL. GAL. 21.3
SHUT-IN: INSTANT _____ 5-MIN _____ 15-MIN _____ CEMENT SLURRY: BBL. GAL. 58 BBL
HYDRAULIC HORSEPOWER _____ TOTAL VOLUME: BBL. GAL. 89.3 BBL
ORDERED _____ AVAILABLE _____ USED _____ RAMARKS
AVERAGE RATES IN BPM _____ See Job Log
TREATING _____ DISPL. _____ OVERALL _____
CEMENT LEFT IN PIPE _____
FEET 40-50 REASON 3. Joint

CUSTOMER
LEASE
WELL NO. 8-13
JOB TYPE 8 3/8" Surt.
DATE 2-1-94

