Form 3160-5
(November 1983)
(Formerly 9-331)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE* (Other instructions on reverse side)

Form approved.
Budget Bureau No. 1004-0135
Expires August 31, 1985

RECEIVED BLM
91 FEB 21 PM 2:02
070 FARMINGTON, N.M.

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—" for such proposals.)

RECEIVED
MAR 04 1991
OIL CON. DIV.
DIST. 3

1. OIL WELL [X] GAS WELL [ ] OTHER	5. LEASE DESIGNATION AND SERIAL NO.: NM-16586 *
2. NAME OF OPERATOR: BCO, Inc. *	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR: 135 Grant, Santa Fe, NM 87501 *	7. UNIT AGREEMENT NAME:
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface: 1650 FNL and 2270 FEL *	8. FARM OR LEASE NAME: Federal I *
	9. WELL NO.: 5 *
	10. FIELD AND POOL, OR WILDCAT: Lybrook Gallup Ext..
	11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: Sec 21, T23N, R7W NMPM *
14. PERMIT NO.	15. ELEVATIONS (Show whether DF, RT, GR, etc.): GL 7380' *
	12. COUNTY OR PARISH: Sandoval *
	13. STATE: NM *

16. **Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data**

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
TEST WATER SHUT-OFF	[ ]	PULL OR ALTER CASING	[ ]	WATER SHUT-OFF	[ ]	REPAIRING WELL	[ ]
FRACTURE TREAT	[ ]	MULTIPLE COMPLETE	[ ]	FRACTURE TREATMENT	[ ]	ALTERING CASING	[ ]
SHOOT OR ACIDIZE	[ ]	ABANDON*	[ ]	SHOOTING OR ACIDIZING	[ ]	ABANDONMENT*	[ ]
REPAIR WELL	[ ]	CHANGE PLANS	[ ]	(Other) Set casing & cement			[X]
(Other)				(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)			

17. 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.) *

2/4/91 - 2/10/91 · Drilled 7 - 7/8" hole to 5980·'. Bits were run as follows:

Bit #	Bit Size	Type	Date Out	Depth Out	Rotation Hours	Feet Drilled	Avg/ Hour	Deviation
1	12 1/4"·		2/3/91·	370 ·		370·		3/4°
2	7 7/8"	L127 ·	2/5/91 ·	2149·	16 3/4 ·	1787·	107·	1·°
3	7 7/8"·	L126	2/5/91 ·	3126·	14 1/2 ·	977 ·	63·	1·°
4	7 7/8"	HP51X·	2/10/91	5980·	94 ·	2854 ·	30·	1°

2/11/91 · Ran Dual Induction · Log and Dual Compensated Porosity Log: Great Guns Logging · will mail two copies of each log to the BLM and one copy to the OCD.

2/11/91 · Advised Mark Kelly· of BLM · at 8:00 · a.m. that we intend to start cementing long string on this well between 10:00p·.m. and 11:00p.m. on 2/11/91 ·.

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

SIGNED Elizabeth B. Kaaihue TITLE President * DATE 2/20/91

(This space for Federal or State office use)

ACCEPTED FOR RECORD

APPROVED BY _____ TITLE _____ DATE FEB 27 1991

CONDITIONS OF APPROVAL, IF ANY:

NMOCD

FARMINGTON RESOURCE AREA
BY _____

*See Instructions on Reverse Side

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

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

SUNDRY NOTICES AND REPORTS ON WELLS

Lease No.: NM-16586

Ran 5802' of 11.6# J-55 4-1/2" casing. Ran 148' of 11.6# N-80 4-1/2" casing at surface, landed at 5950'. Set DV tool at about 4936'. Pumped 20 barrels mud flush and 2 barrels fresh water spacer. The lead cement of the first stage was 75 sacks Class "G" cement mixed with 8 pounds Salt per sack, 6-1/4 pounds Gilsonite per sack, 1/2 pound Flocele per sack mixed at 15.2 pounds with a yield of 1.377 cubic feet per sack or 103 cubic feet (about 18 barrels slurry). The remainder of the first stage cement was 225 sacks Class "G" cement mixed with 2% $CaCl_2$, 8 pounds Salt per sack, 6-1/4 pounds Gilsonite per sack, 1/2 pound Flocele per sack mixed at 15.2 pounds with a yield of 1.377 cubic feet per sack or 310 cubic feet (about 55 barrels slurry). Pumped plug. Plug bumped. Opened DV tool and broke circulation. Circulated for 4 hours to allow first stage cement to set up. Circulated 6 barrels of slurry so top of first stage is at DV tool. Pumped 5 barrels water, pumped 10 barrels $CaCl_2$ water, pumped 10 barrels water spacer, pumped 20 barrels Superflush 102, washed out pumps and lines, pumped 10 barrels water. Pumped 1175 sacks of Class "G" 50/50 PozMix mixed with 2% Gel, 2% KCL by weight of water and 12 pounds Gilsonite per sack at 12.8 pounds with a yield of 1.46 cubic feet per sack or 1716 cubic feet (approximately 306 barrels of slurry). Washed out pumps and lines. Pumped plug. Plug bumped and DV tool closed. DV held. Circulated 120 barrels of slurry to pit.

Attached is copy of Halliburton job log. Intend to complete well in May or June 1991.

HALLIBURTON SERVICES

JOB SUMMARY

HALLIBURTON LOCATION: Farmington

BILLED ON TICKET NO. 077456

WELL DATA

FIELD ______ SEC 21 TWP 23N RNG 7W 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. 9.5

PACKER TYPE D.V. tool SET AT 4921

BOTTOM HOLE TEMP. ______ PRESSURE ______

MISC. DATA ______ TOTAL DEPTH 5944

	NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
CASING	N	11.6	4.5	0	5944	
LINER						
TUBING						
OPEN HOLE			7 7/8		5944	SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

JOB DATA

CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE 2-11-91	DATE 2-11-91	DATE 2-11-91	DATE 2-12-91
TIME 1200	TIME 1515	TIME 2255	TIME 0530

TOOLS AND ACCESSORIES

TYPE AND SIZE		QTY.	MAKE
FLOAT COLLAR	PDF	1	Howco
~~FLOAT SHOE~~	Cmt. Basket	3	
GUIDE SHOE		1	
CENTRALIZERS		18	
BOTTOM PLUG	Plug set		
TOP PLUG			
HEAD		1	
PACKER	D.V. tool	1	
OTHER			

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
T. Collins	39857	Farmington
88178		
K. Snyder	50464 P	
88177	5363 P	
T. Moffit		
D 9447	5447	
D. ~~George~~	52119	
B 2151		
	4452	
	5931	
S. Cannon		

DEPARTMENT Cmt. & Bulk

DESCRIPTION OF JOB Cmt 4.5" 2 Stage

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

CUSTOMER REPRESENTATIVE X Ray King

HALLIBURTON OPERATOR T. Collins COPIES REQUESTED ______

MATERIALS

TREAT. FLUID ______ DENSITY ______ LB/GAL.-°API

DISPL. FLUID ______ DENISTY ______ 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

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

BREAKER TYPE ______ GAL.-LB. ______ IN

BLOCKING AGENT TYPE ______ GAL.-LB.

PERFPAC BALLS TYPE ______ QTY.

OTHER ______

OTHER ______

RECEIVED FEB 1 3 1991 BCO, INC.

CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
1	75	Pre		B	6.25# gilsonite, 8# salt, 1/4# flocele	1.38	13.3
1	225	Pre		B	" " " " flocele	1.38	13.3
2	1175	50/50		B	2% gel, 12# gilsonite, 2% KCL (Brobd)	1.46	12.9

PRESSURES IN PSI

CIRCULATING ______ DISPLACEMENT ______

BREAKDOWN ______ MAXIMUM ______

AVERAGE ______ FRACTURE GRADIENT ______

SHUT-IN: INSTANT ______ 5-MIN. ______ 15-MIN. ______

HYDRAULIC HORSEPOWER

ORDERED ______ AVAILABLE ______ USED ______

AVERAGE RATES IN BPM

TREATING ______ DISPL. ______ OVERALL ______

CEMENT LEFT IN PIPE

FEET 44.24 REASON Shoe Joint

SUMMARY

VOLUMES

PRESLUSH: BBL.-~~GAL.~~ 20 / 20 TYPE Mud Flush SuperFlush

LOAD & BKDN: BBL.-GAL. ______ PAD: BBL.-GAL. ______

TREATMENT: BBL.-GAL. ______ DISPL: BBL.-~~GAL.~~ 92 / 76.5

CEMENT SLURRY: BBL.-~~GAL.~~ 73.2 / 305.0 12.9

TOTAL VOLUME: BBL.-GAL. ______

REMARKS

See Job Log

CUSTOMER: BCO

LEASE: Eckert 1

WELL NO: 2

JOB TYPE: Cmt

DATE: 2-11-91

FORM 2025-R2

JOB LOG

FORM 2013 R-2

WELL NO. _____ LEASE _____ TICKET NO. _____

CUSTOMER BCO PAGE NO. _____

JOB TYPE Cmt. 4.5 2 Stage DATE 2-11 91

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (~~GAL~~)	PUMPS T	PUMPS C	PRESSURE (PSI) TUBING	PRESSURE (PSI) CASING	DESCRIPTION OF OPERATION AND MATERIALS
	0815							ON location & Rig up
								Safety meeting
	2255							
		6.5	20				400	start mud flush
	2258	6					600	start cmt
			135 @ 15.2					
	2305							Shut down wash pt Drop Plug
	2308		14 H2O				400	start Disp
			66.5				500	
			78				800	
	2322		77				1500	Plug Down check FH OK
	2330							Drop bomb to open tool
	2355						1500	OPEN DV tool
								Circ well clean
								Rack up to Stage collar
2nd	0403	5	5					start H2O
	0404	5	10					start CC mix
	0406	5	10					start H2O
	0408	5	20					start Spacer
	0412							Shut Down wash out pump & lines
	0416	5	10					start H2O
	0418		105 @ 12.8					start cmt
	0514							start Disp
	0527		77.5				700	Plug Down, test Collar DV OK
								Circ well clean
								Job Compl
								Thanks
								Tom & Crew

RECEIVED
FEB 13 1991

BCO, INC.