

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE*

(See other In-
structions on
reverse side)

Form approved
Budget Bureau No. 1004-0137
Expires August 31, 1985

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. TYPE OF WELL: OIL WELL ☒ GAS WELL ☐ DRY ☐ Other ☐
b. TYPE OF COMPLETION: NEW WELL ☐ WORK OVER ☒ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESER. ☐

JUL 2 1993

OIL CON. DIV.
DIST. 3

2. NAME OF OPERATOR
BCO, Inc.

3. ADDRESS OF OPERATOR
135 Grant, Santa Fe, NM 87501

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
At surface 2070' FNL - 2260' FWL Sec 10 T23N R7W NMPM
At top prod. interval reported below Same
At total depth Same

14. PERMIT NO. DATE ISSUED

15. DATE SPUDDED 3/16/76 16. DATE T.D. REACHED 4/20/76 17. DATE COMPL. (Ready to prod.) 9/23/76 18. ELEVATIONS (DF, RKB, RT, GR, ETC.) 7265' GR 19. ELEV. CASINGHEAD 7267'

20. TOTAL DEPTH, MD & TVD 6743' 21. PLUG. BACK T.D., MD & TVD 6727' 22. IF MULTIPLE COMPL., HOW MANY? Co-mingled 2 zones 23. INTERVALS DRILLED BY XX 24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD) 5598' - 6499' Gallup

25. WAS DIRECTIONAL SURVEY MADE Yes

26. TYPE ELECTRIC AND OTHER LOGS RUN Dual Spacing TDT Borehole Compensated Sonic-Gamma; F; Dual Induction; No

CASING RECORD (Report all strings set in well)					AMOUNT PULLED BLM RECEIVED
CASINO SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	
8 5/8"	24.70	142	12 1/4"	100 Sacks	
4 1/2"	11.60	6730	7 7/8"	1050 Sacks	

LINER RECORD					TUBING RECORD		
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2 3/8	6703	

31. PERFORATION RECORD (Interval, size and number)		32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.	
5598-5612 w/2 SPF; 5715-22 w/2 SPF; 5723-25 w/4 SPF; 5759-60; 5771-72; 5778-79; 5788-89; 5802-97; 5913-1/2 - 14 1/2; 5930-31. w/2 SPF; 6485-87; 6494-99. w/2 SPF		DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
		5598 - 5612	500 Gal 15% HCL 22M H ₂ O 2IM 10-20
		5715 - 5725	500 Gal 15% HCL 20M H ₂ O 2IM 10-20
		5759 - 5931	500 Gal 15% HCL 22M H ₂ O 22M 10-20
		6485 - 6499	250 Gal 15% HCL 2000 28% 16M

33.* PRODUCTION H₂O 15M 20-40, 5M 10-20
DATE FIRST PRODUCTION 9/23/76 PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Gas Lift WELL STATUS (Producing or shut-in) Producing

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
10/13/76	24	Open		15	80	0	5333
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	
Various	665-500		15	80	0	40	

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) El Paso Natural Gas 11/11/76 via BCO Gathering Line TEST WITNESSED BY H. R. Bigbee

35. LIST OF ATTACHMENTS Oil Conservation Division Order R-6929 allowing co-mingling

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records
SIGNED Elizabeth B. Keeshan TITLE President DATE 6/28/93

*(See Instructions and Spaces for Additional Data on Reverse Side)

37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool was on, flowing and shut-in pressures, and recoveries);	38. GEOLOGIC MARKERS			
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME
				MEAS. DEPTH
				TRUE VERT. DEPTH
				Picture Cliffs. Chacra. Cliff House. Menefee. Pt. Lookout. Gallup. Greenhorn. Dakota.
				2242. 3035. 3752. 3826. 4535. 5570. 6478. 6535.
				2242. 3035. 3752. 3826. 4535. 5570. 6478. 6535.

IN THE MATTER OF THE HEARING
CALLED BY THE OIL CONSERVATION
DIVISION FOR THE PURPOSE OF
CONSIDERING:

CASE NO. 7505
Order No. R-6929

APPLICATION OF BCO, INC. FOR
DOWNHOLE COMMINGLING, RIO ARRIBA
COUNTY, NEW MEXICO.

ORDER OF THE DIVISION

BY THE DIVISION:

This cause came on for hearing at 9 a.m. on March 16, 1982 at Santa Fe, New Mexico, before Examiner Richard L. Stamets.

NOW, on this 26th day of March, 1982, the Division Director, having considered the testimony, the record, and the recommendations of the Examiner, and being fully advised in the premises,

FINDS:

(1) That due public notice having been given as required by law, the Division has jurisdiction of this cause and the subject matter thereof.

(2) That the applicant, BCO, Inc., is the owner and operator of certain wells and leases in Sections 2, 3, 4, 9, and 10, Township 23 North, Range 7 West, Rio Arriba County, New Mexico.

(3) That the applicant seeks authority to commingle Lybrook-Gallup (including the Greenhorn formation) and Basin-Dakota production within the wellbore of its current and future wells in said five sections.

(4) That from each of said zones, wells within the subject area are and are expected to be capable of low marginal production only.

(5) That the proposed commingling may result in the recovery of additional hydrocarbons from each of the subject pools, thereby preventing waste, and will not violate correlative rights.

(6) That the reservoir characteristics of each of the subject zones are such that underground waste would not be caused by the proposed commingling provided that any well therein is not shut-in for an extended period.

(7) That to afford the Division the opportunity to assess the potential for waste and to expeditiously order appropriate remedial action, the operator should notify the Aztec district office of the Division any time any commingled well in the subject area is shut-in for 7 consecutive days.

(8) That in order to allocate the commingled production each of the commingled zones in any well in the subject area, applicant should consult with the supervisor of the Aztec district office of the Division and determine an allocation formula for each of the production zones.

IT IS THEREFORE ORDERED:

(1) That the applicant, BCO, Inc., is hereby authorized to commingle Lybrook-Gallup (including the Greenhorn formation and Basin-Dakota production within the wellbore of its current or future wells in Sections 2, 3, 4, 9, and 10 of Township 23 North, Range 7 West, NMPM, Rio Arriba County, New Mexico.

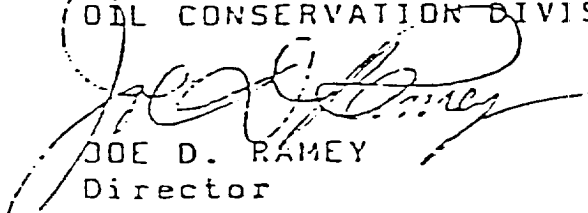
(2) That the applicant shall consult with the Supervisor of the Aztec district office of the Division and determine an allocation formula for the allocation of production to each zone in any well downhole commingled under terms of this order.

(3) That the operator shall immediately notify the Division's Aztec district office any time any well downhole commingled under terms of this order has been shut-in for 7 consecutive days and shall concurrently present, to the Division, a plan for remedial action.

(4) That jurisdiction of this cause is retained for the entry of such further orders as the Division may deem necessary.

DONE at Santa Fe, New Mexico, on the day and year hereinabove designated.

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION


JOE D. RAMEY
Director

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