

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE*

(See other instructions on reverse side)

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

RECEIVED
BLM

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. ☐
070, FARMINGTON, NM

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 420' FNL - 970' FWL
At top prod. interval reported below
At total depth Same
Same

RECEIVED
JUN 28 1993

OIL CON. DIV
DIST. 3

14. PERMIT NO. DATE ISSUED

15. DATE SPUDDED 04/01/93 16. DATE T.D. REACHED 04/06/93 17. DATE COMPL. (Ready to prod.) 6/14/93 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* GL 7250' 19. ELEV. CASINGHEAD 7253'

20. TOTAL DEPTH, MD & TVD 5800' 21. PLUG BACK T.D., MD & TVD 5749' 22. IF MULTIPLE COMPL., HOW MANY* NA 23. INTERVALS DRILLED BY XX 24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 5416' - 5656' Gallup

25. WAS DIRECTIONAL SURVEY MADE Yes - Filed with OCD 4/7/93
26. TYPE ELECTRIC AND OTHER LOGS RUN Cased Hole Compensated Neutron, Gamma Ray & CBL
27. WAS WELL CORED No

CASING RECORD (Report all strings set in well)					
CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8 5/8"	24#	370'	12.25	275 Sacks	
4 1/2"	11.6#	5797'	7.875	950 Sacks	

LINER RECORD					TUBING RECORD		
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2 3/8"	5643	

PERFORATION RECORD (Interval, size and number)				ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.	
One 0.39" select fire shot at: 5416', 5421', 5426', 5526', 5536', 5542', 5556', 5580', 5596', 5616', 5624', 5632', and 5656'.				DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
				5416' - 5656'	1890 Gal FE-HCL, 421,200# 16/30 Brady Sand in 183,123 Gallons 70% quality N ₂ foam.

PRODUCTION							
DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)				WELL STATUS (Producing or shut-in)	
6/14/93		Piston				Producing	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
6/20/93	24	20/64		37	213	6	5750
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	
260	505		37	213	6	40	

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Vented - contains Nitrogen from frac
35. LIST OF ATTACHMENTS
TEST WITNESSED BY Robert Ramirez
ACCEPTED FOR RECORD

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
JUN 28 1993
DATE June 21, 1993

*(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, flowing and shut-in pressures, and recoveries):

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.

38. GEOLOGIC MARKERS

NAME	TOP	
	MEAS. DEPTH	TRUE VERT. DEPTH
Ojo Alamo .	1447 .	
Kirtland .	1628 .	
Fruitland .	1820 .	
Pictured Cliffs	2068 .	
Chacra .	2440 .	
Cliff House .	3535 .	
Menefee .	3558 .	
Point Lookout .	4368 .	
Mancos .	4504 .	
Gallup .	5251 .	

ATTACHMENT TO FORM 3160-4

Federal I #6 .

Sec 21 T23N R7W

NM-16586

The following summarizes the cement job on the above well as required by item 28 of 3160-4 and the approved APD.

8-5/8" surface casing 375' to surface. 275 sacks Class B, 2% CaCl_2 , 1/4# flocele per sack mixed at 15.6 lbs with a yield of 1.18 or 325 cubic feet. Cement circulated to surface.

4-1/2" casing: TD to surface. Ran 10 barrels H_2O ; 10 barrels H_2O with 2% CaCl_2 , 10 barrels H_2O ; 20 barrels superflush, 10 barrels H_2O . 800 sacks 65/35 standard poz with 12% Bentonite, 6.25 lb per sack Gilsonite, 1/4 lb per sack Flocele and 0.6% Halad - 322. Mixed at 11.3 pounds per gallon with a yield of 2.64 cubic feet per sack or 2112 cubic feet. Tailed in with 150 sacks Class "G" mixed with 8 lbs per sack salt, 1/2 lb per sack Flocele, 6.25 lb per sack Gilsonite. Mixed at 15.2 pounds per gallon with a yield of 1.38 cubic feet per sack or 207 cubic feet. Circulated 20 barrels slurry.

OIL CONSERVATION DIVISION

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

REQUEST FOR ALLOWABLE AND AUTHORIZATION
TO TRANSPORT OIL AND NATURAL GAS

I.

Operator BCO, INC.	Well API No. 30-043-20876
Address 135 GRANT, SANTA FE, NM 87501	
Reason(s) for Filing (Check proper box) <input type="checkbox"/> Other (Please explain)	
New Well <input checked="" type="checkbox"/>	Change in Transporter of:
Recompletion <input type="checkbox"/>	Oil <input type="checkbox"/> Dry Gas <input type="checkbox"/>
Change in Operator <input type="checkbox"/>	Casinghead Gas <input type="checkbox"/> Condensate <input type="checkbox"/>

If change of operator give name
and address of previous operator

OIL CON. D.
DIST. ?

II. DESCRIPTION OF WELL AND LEASE

Lease Name Federal I	Well No. 6	Pool Name, Including Formation Lybrook Gallup	Kind of Lease State, Federal or Foreign	Lease No. NM-16586
Location Unit Letter D : 420 Feet From The north Line and 970 Feet From The west Line Section 21 Township 23N Range 7W, NMPM, Sandoval County				

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil GIANT REFINING	or Condensate <input type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent) P.O. BOX 256, FARMINGTON, NM 87499				
Name of Authorized Transporter of Casinghead Gas BCO, INC.	or Dry Gas <input type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent) 135 GRANT, SANTA FE, NM 87501				
If well produces oil or liquids, give location of tanks.	Unit D	Sec. 21	Twp. 23N	Rge. 7W	Is gas actually connected? No	When? When Nitrogen clears up..

If this production is commingled with that from any other lease or pool, give commingling order number:

IV. COMPLETION DATA

Designate Type of Completion - (X)	Oil Well XX	Gas Well	New Well XX	Workover	Deepen	Plug Back	Same Res'v	Diff Res'v
Date Spudded 4/01/93	Date Compl. Ready to Prod. 6/14/93	Total Depth 5800'	P.B.T.D. 5749'					
Elevations (DF, RKB, RT, GR, etc.) 7250 GL	Name of Producing Formation GALLUP	Top Oil/Gas Pay 5416'	Tubing Depth 5643'					
Perforations One 0.39" select fire shot at: 5416', 5421', 5426', 5526', 5536', 5542', 5556', 5580', 5596', 5616', 5624', 5632', & 5656'		Depth Casing Shoe 5797'						
TUBING, CASING AND CEMENTING RECORD								
HOLE SIZE 12.25	CASING & TUBING SIZE 8 5/8" 24#		DEPTH SET 370		SACKS CEMENT 275			
7.875	4 1/2" 11.6#		5797		950			
	2 3/8"		5643					

V. TEST DATA AND REQUEST FOR ALLOWABLE

OIL WELL

(Test must be after recovery of total volume of load oil and must be equal to or exceed top allowable for this depth or be for full 24 hours.)

Date First New Oil Run To Tank 6/14/93	Date of Test 6/20/93	Producing Method (Flow, pump, gas lift, etc.) Piston	
Length of Test 24 hours	Tubing Pressure - Flowing 260	Casing Pressure 505	Choke Size 20/64
Actual Prod. During Test 43.00	Oil - Bbls. 37.00	Water - Bbls. 6.00	Gas - MCF 213

GAS WELL

Actual Prod. Test - MCF/D	Length of Test	Bbls. Condensate/MMCF	Gravity of Condensate
Testing Method (pilot, back pr.)	Tubing Pressure (Shut-in)	Casing Pressure (Shut-in)	Choke Size

VI. OPERATOR CERTIFICATE OF COMPLIANCE

I hereby certify that the rules and regulations of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

Signature
ELIZABETH B. KEESHAN
Printed Name
June 21, 1993
Date
PRESIDENT
Title
305-983-1228
Telephone No.

OIL CONSERVATION DIVISION

Date Approved JUN 14 1993

By
Title SUPERVISOR DISTRICT #3

INSTRUCTIONS: This form is to be filed in compliance with Rule 1104

- 1) Request for allowable for newly drilled or deepened well must be accompanied by tabulation of deviation tests taken in accordance with Rule 111.
- 2) All sections of this form must be filled out for allowable on new and recompleted wells.
- 3) Fill out only Sections I, II, III, and VI for changes of operator, well name or number, transporter, or other such changes.
- 4) Separate Form C-104 must be filed for each well in multiple.