Form 3160-4 (October 1990)

## **UNITED STATES DEPARTMENT OF THE INTERIOR** BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE

FOR APPROVED OMB NO. 1004-0137

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*  1a. TYPE OF WELL:    MELL	EY
b. TYPE OF COMPLETION:    NEW   X   WORK   DEEP   PLUG   DIFF.   Coher   ATO   FOUND   NEW   Color   PLUG   DIFF.   Coher   ATO   PLUG   DIFF.   Coher   ATO   PLUG   DIFF.   Coher   ATO   PO   DIFF.   Coher   ATO   PLUG   DIFF.   Coher   ATO   DIFF.   DIFF	EY
DIFF. RESVR Other Other Over DEEP BACK DIFF. RESVR Other OTH	EY
NEW WELL X WORK DEEP PLUS BACK DIFF. Cohor 77 Debt 8. FARM OR LEASE NAME, WELL NO. Huerfanito Unit 94R  2. NAME OF OPERATOR BURLINGTON RESOURCES OIL & GAS COMPANY  3. ADDRESS AND TELEPHONE NO. PO BOX 4289, Farmington, NM 87499 (505) 326-9700  4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*  At surface 970'FNL, 1660' FEL  At top prod. interval reported below  At total depth  14. PERMIT NO. DATE ISSUED  15. DATE SPUDDED 16. DATE T.D. REACHED 17. DATE COMPL. (Reedy to prod.)  15. DATE SPUDDED 18. DATE T.D. REACHED 17. DATE COMPL. (Reedy to prod.)  16. DATE SPUDDED 18. DATE T.D. REACHED 17. DATE COMPL. (Reedy to prod.)  20. TOTAL DEPTH, MD ATVD 21. PLUG, BACK T.D., MD ATVD 22. IF MULTIPLE COMPL., 23. INTERVALS ROTARY TOOLS CABLE TOOLS	EY
WELL OVER BILD BACK RESVR Other Huerfanito Unit 94R  2. NAME OF OPERATOR BURLINGTON RESOURCES OIL & GAS COMPANY  3. ADDRESS AND TELEPHONE NO. PO BOX 4289, Farmington, NM 87499 (505) 326-9700  4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface 970'FNL, 1660' FEL  At top prod. interval reported below At total depth  14. PERMIT NO. DATE ISSUED  15. DATE SPUDDED 16. DATE T.D. REACHED 17. DATE COMPL. (Reedy to prod.) 05/16/03 10/18/03 11/13/03 6198 GR, 6210 KB  20. TOTAL DEPTH, MD & TVD 21. PLUG, BACK T.D., MD & TVD 22. IF MULTIPLE COMPL.  15. INTERVALS ROTARY TOOLS CABLE TOOLS	EY
2. NAME OF OPERATOR BURLINGTON RESOURCES OIL & GAS COMPANY 30-045-30845  3. ADDRESS AND TELEPHONE NO. PO BOX 4289, Farmington, NM 87499 (505) 326-9700  4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface 970'FNL, 1660' FEL  At top prod. interval reported below  At total depth  14. PERMIT NO. DATE ISSUED  15. DATE SPUDDED 18. DATE T.D. REACHED 17. DATE COMPL. (Resedy to prod.) 05/16/03 10/18/03 11/13/03  20. TOTAL DEPTH, MD &TVD 21. PLUG, BACK T.D., MD &TVD 22. IF MULTIPLE COMPL. 22. INTERVALS ROTARY TOOLS CABLE TOOLS	EY
BURLINGTON RESOURCES OIL & GAS COMPANY  30-045-30845  10. FIELD AND POOL, OR WILDCAT Blanco PC South  4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*  At surface 970'FNL, 1660' FEL  At top prod. interval reported below  At total depth  14. PERMIT NO. DATE ISSUED  15. DATE SPUDDED 18. DATE T.D. REACHED 17. DATE COMPL. (Reedy to prod.)  16. DATE SPUDDED 18. DATE T.D. REACHED 17. DATE COMPL. (Reedy to prod.)  17. DATE COMPL. (Reedy to prod.)  18. ELEV. CASIM  19. BELEV. CASIM  20. TOTAL DEPTH, MD & TVD 21. PLUG, BACK T.D., MD & TVD 22. IF MULTIPLE COMPL.  22. INTERVALS ROTARY TOOLS CABLE TOOLS	ΕΥ
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At surface 970'FNL, 1660' FEL  At top prod. interval reported below  At total depth  14. PERMIT NO. DATE ISSUED  12. COUNTY OR PARISH San Juan New Mexico 05/16/03  10/18/03  11/13/03  11/13/03  20. TOTAL DEPTH, MD &TVD  21. PLUG, BACK T.D., MD &TVD  22. IF MULTIPLE COMPL. 22. INTERVALS ROTARY TOOLS  CABLE TOOLS	EY
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San Juan   New Mexico   15. DATE SPUDDED   18. DATE T.D. REACHED   17. DATE COMPL. (Ready to prod.)   18. ELEVATIONS (DF, RKB, RT, BR, ETC.)*   19. ELEV. CASIM   10/18/03   11/13/03   6198 GR, 6210 KB   20. TOTAL DEPTH, MD &TVD   21. PLUG, BACK T.D., MD &TVD   22. IF MULTIPLE COMPL.,   23. INTERVALS   ROTARY TOOLS   CABLE TOOLS	
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20. TOTAL DEPTH, MD &TVD 21. PLUG, BACK T.D., MD &TVD 22. IF MULTIPLE COMPL., 23. INTERVALS ROTARY TOOLS CABLE TOOLS	
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2396 2346 HOW MANY DRILLED BY	
24. PRODUCTION INTERVAL (S) OF THIS COMPLETION-TOP, BOTTOM, NAME (MD AND TVD)*  25. WAS DIRECTIONAL	<del></del>
Pictured Cliffs- 2130-2160 SURVEY MADE	
Pictured Cliffs- 2130-2160 No 26. TYPE ELECTRIC AND OTHER LOGS RUN 27. WAS WELL CORED	
r-CCL No	٠
28. CASING RECORD (Report all strings set in well)	
CASING SIZE/GRADE WEIGHT, LB./FT. DEPTH SET (MD) HOLE SIZE TOP OF CEMENT, CEMENTING RECORD AMOUNT PULLED	
7" J-55 20# 136' 9 7/8" 61 cu ft 4.5" J-55 10.5# 2389' 6 1/4"   514 cu ft	
4.5" J-55 10.5# 2388", 6 1/4" 514 cu ft	
29. LINER RECORD 30. TUBING RECORD	
SIZE         TOP (MD)         BOTTOM (MD)         SACKS CEMENT*         SCREEN (MD)         SIZE         DEPTH SET (MD)         PACKER SET (MD)           2 3/8"         2155' <td><del></del></td>	<del></del>
PERFORATION RECORD (Interval, size and number) 32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.	
DEPTH INTERVAL (MD) AMOUNT AND KIND OF MATERIAL USED 2130'-2160' 20# 243 bbl Linear Gel, 10,000# 20/40 Ariz Sand, 27	5 600 E7
2130-2100 20# 243 DUI LI II Ball Gen, 13/1-, 10/00# 20/40 All Z Salidi, 27	2,000 30
ATE FIRST PRODUCTION PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) WELL STATUS (Producing or shall in)	
ATE FIRST PRODUCTION PRODUCTION METHOD (Flowing, gas lift, pumping-size and type of pump)  11/13/03 Flowing SI	
ATE FIRST PRODUCTION PRODUCTION METHOD (Flowing, gas lift, pumping-size and type of pump)  11/13/03 Flowing SI	
ATE FIRST PRODUCTION PRODUCTION METHOD (Flowing, gas lift, pumping-size and type of pump)  11/13/03  ATE OF TEST  11/13/03  HOURS TESTED CHOKE SIZE PROD'N FOR OIL-BBL GAS-MCF WATER-BBL GAS-OIL RATIO  TEST PERIOD  TEST PERIOD	:
ATE FIRST PRODUCTION PRODUCTION METHOD (Flowing, gas lift, pumping-size and type of pump)  11/13/03  ATE OF TEST  11/13/03  HOURS TESTED CHOKE SIZE PROD'N FOR OIL-BBL GAS-MCF WATER-BBL GAS-OIL RATIO  TEST PERIOD  OW. TUBING PRESS. CASING PRESSURE CALCULATED OIL-BBL GAS-MCF WATER-BBL OIL GRAVITY-API	(CORR.)
ATE FIRST PRODUCTION METHOD (Flowing, gas lift, pumping-size and type of pump)  11/13/03  SI  Flowing	(CORR.)
ATE FIRST PRODUCTION PRODUCTION METHOD (Flowing, gas lift, pumping-size and type of pump)  SI 11/13/03  SI PRODUCTION METHOD (Flowing, gas lift, pumping-size and type of pump)  SI S	(CORR.)
ATE FIRST PRODUCTION PRODUCTION METHOD (Flowing, gas lift, pumping-size and type of pump)  11/13/03  SI  ATE OF TEST 11/13/03  HOURS TESTED CHOKE SIZE PROD'N FOR OIL-BBL GAS-MCF WATER-BBL GAS-OIL RATIO 11/13/03  OW. TUBING PRESS. SI 220  CASING PRESSURE CALCULATED OIL-BBL GAS-MCF WATER-BBL OIL GRAWITY-API SI 220  SI 220  SI 220  CASING PRESSURE CALCULATED OIL-BBL GAS-MCF WATER-BBL OIL GRAWITY-API SI 220  SI 220  SI 24-HOUR RATE  514 MCF/D  TEST WITNESSED BY	(CORR.)
ATE FIRST PRODUCTION PRODUCTION METHOD (Flowing, gas lift, pumping-size and type of pump)  I1/13/03  ATE OF TEST I1/13/03  HOURS TESTED CHOKE SIZE PRODUCTION FOR OIL-BBL GAS-MCF WATER-BBL GAS-OIL RATIO TEST PERIOD  OW. TUBING PRESS. CASING PRESSURE CALCULATED OIL-BBL GAS-MCF WATER-BBL OIL GRAWITY-API SI 220  SI 220  SI 220  AUTHOR RATE SI 220  SI 220  SI 220  AUTHOR RATE SI 220  SI 24-HOUR RATE SI 2514 MCF/ID  TEST WITNESSED BY  TO be sold  SI LIST OF ATTACHMENTS	(CORR.)
ATE FIRST PRODUCTION PRODUCTION METHOD (Howing, gas lift, pumping-size and type of pump)  11/13/03  ATE OF TEST HOURS TESTED CHOKE SIZE PROOTH FOR OIL-BBL GAS-MCF WATER-BBL GAS-OIL RATIO 11/13/03  ATE OF TEST HOURS TESTED CHOKE SIZE PROOTH FOR OIL-BBL GAS-MCF WATER-BBL GAS-OIL RATIO 11/13/03  OW. TUBING PRESS. CASING PRESSURE SI 220  SI 220  CALCULATED OIL-BBL GAS-MCF WATER-BBL OIL-BBL GAS-MCF WATER-BBL OIL GRAVITY-API 34. DISPOSITION OF GAS (Solid, used for fixel, verified, etc.)	(CORR.)
ATE FIRST PRODUCTION PRODUCTION METHOD (Flowing, gas lift, pumping-size and type of pump)  11/13/03  ATE OF TEST  11/13/03  HOURS TESTED  1 Hr  CHOKE SIZE  PROD'N FOR  OIL-BBL  GAS-MCF  WATER-BBL  GAS-OIL RATIO  TEST PERIOD  OIL-BBL  GAS-MCF  WATER-BBL  OIL GRAVITY-API  SI 220  SI 220  A DISPOSITION OF GAS (Sold, used for fivel, vented, etc.)  To be sold  SI UST OF ATTACHMENTS  None	(CORR.)
ATE FIRST PRODUCTION   PRODUCTION METHOD (Flowing, gas lift, pumping-size and type of pump)   WELL STATUS (Producing or shalfn)	(CORR.)

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department of agency of TEPTED FOR RECORL United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

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FARMINGIUM FIELD UFFICE

37. SUMMARY OF POR drill-stem, tests, in recoveries):	38. GEOLOGIC MARKERS					
FORMATION TOP		BOTTOM	description, contents, etc.		ТОР	
			<u></u>	NAME	MEAS, DEPTH	TRUE VERT. DEPTH
	: :			And the state of t		<u>.                                    </u>
Ojo Alamo	1210'	1352'	White, cr-gr ss.	•		
Kirtland	1352'	1920'	Gry sh interbedded w/tight, gry, fine-gr ss.		:	
Fruitland	1920'	2130'	Dk gry-gry carb sh, coal, grn silts, light- med gry, tight, fine gr ss.	Ojo Alamo Kirtland	1210' 1352'	
Pictured Cliffs	2130'	2396'	Bn-Gry, fine grn, tight ss.	Fruitland Pic.Cliffs	1920' 2130'	
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