Form 3160-4 (October 1990)

## **UNITED STATES DEPARTMENT OF THE INTERIOR**

SUBMIT IN DUPLICATE

FOR APPROVED ØMB NO. 1004-0137

Expires: December 31, 1991

TYPE OF WELL:  WELL WELL WELL WELL WELL WELL WELL WEL	WELL NO.  WILDCAT  CTURED CHIFFS  OCK AND SURVEY
TYPE OF WELL:    VINIT AGREEMENT NAME   SILE   WELL   WELL	ME E, WELL NO. WILDCAT Ctured Cliffs OCK AND SURVEY
TYPE OF WELL:  WELL   CAS   WELL   CAS   C	E, WELL NO.  WILDCAT  CHURCH Cliffs  OCK AND SURVEY
NEW WELL WORK OVER BACK PLOS OTHER RESUR OTHER RESURE OTHER RESUR	E, WELL NO.  WILDCAT  CHURCH Cliffs  OCK AND SURVEY
NEW WELL NOVER EN BACK DIFF RESVR OTHER RESVR OTHER COOPERATOR  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 requirement)  At total depth  14. PERMIT NO.  DATE ISSUED  15. DATE SPUDDED  16. DATE TD REACHED  17. DATE COMPL. (Ready to prod.)  18. ELEVATIONS (DF. RKB. RT. BR. ETC.)*  19. FIRCH NN OR BL.  OR AREA  14. PERMIT NO.  DATE ISSUED  12. COUNTY OR  PARISH  San Juan  No.  5. DATE SPUDDED  16. DATE TD REACHED  17. DATE COMPL. (Ready to prod.)  18. ELEVATIONS (DF. RKB. RT. BR. ETC.)*  19. FIRCH ND ATT.  PARISH  San Juan  No.  19. FIRCH NO.  OR AREA  14. PERMIT NO.  DATE ISSUED  12. COUNTY OR  PARISH  San Juan  No.  5. 19-99  5. 5644* GL., 5656* KB  OTHAL DEPTH. MD ATVD  21. PLUG, BACK TD., MD ATVD  22. IF MULTIPLE COMPL.  HOW MANY*  DRILLED BY  O-1988*  O-	WILDCAT ctured Cliffs OCK AND SURVEY
NAME OF OPERATOR   BURLINGTON RESOURCES OIL & GAS COMPANY   30-045-29818   ADDRESS AND TELEPHONE NO.   PO BOX 4289. Farmington, NM 87499   (505) 326-9700   2 2 1999   10. FIELD AND POOL. OR PO BOX 4289. Farmington, NM 87499   (505) 326-9700   2 2 1999   10. FIELD AND POOL. OR AREA   At surface   1450' FNL, 1175' FWL   At surface   1450' FNL, 1175' FWL   At top prod. interval reported below   Sec. 18, T-29-N   At total depth   14. PERMIT NO.   DATE ISSUED   12. COUNTY OR   17. PARISH   San Juan   No.   San Jua	WILDCAT ctured Cliffs OCK AND SURVEY
NAME OF OPERATOR   BURLINGTON RESOURCES OIL & GAS COMPANY   30-045-29818   30-0	ctured Cliffs OCK AND SURVEY
BURLINGTON RESOURCES OIL & GAS COMPANY  ADDRESS AND TELEPHONE NO. PO BOX 4289, Farmington, NM 87499 (505) 326-9700 LOCATION OF WELL (Report location clearly and in accordance with any State requirement) At surface 1450' FNL, 1175' FWL  At top prod. interval reported below  At total depth  14. PERMIT NO. DATE ISSUED  15. COUNTY OR PARISH San Juan No. 5. DATE SPUDDED 16 DATE TD. REACHED 17. DATE COMPL. (Ready to prod.) 5. 19-99 5-20-99 6-7-99 5-7-99 5-644' GL, 5656' KB  10. FIELD AND 8TVD 12. PLUG, BACK T.D., MD &TVD 12. IF MULTIPLE COMPL. HOW MANY DRILLED BY 0-1988'  1988' 1969'  A PRODUCTION INTERVAL (S) OF THIS COMPLETION-TOP. BOTTOM. NAME (MD AND TVD)' 1777' - 1842' Pictured Cliffs 6. TYPE ELECTRIC AND OTHER LOGS RUN GRICULTS COMPL. (Report all strings set in well)  CASING SIZE/GRADE WEIGHT LB /FT. DEPTH SET (MD) HOLE SIZE TOP OF CEMENT, CEMENTING RECORD AMOU  7 20# 141' 8 3/4 94 cu ft	ctured Cliffs OCK AND SURVEY
ADDRESS AND TELEPHONE NO. PO BOX 4289. Farmington, NM 87499 (505) 326-9700 LOCATION OF WELL (Report location clearly and in accordance with any State requirement)  At surface 1450' FNL, 1175' FWL  At top prod. interval reported below  At total depth  14. PERMIT NO. DATE ISSUED  15. DATE SPUDDED 16. DATE TD. REACHED 17. DATE COMPL. (Ready to prod.)  5. DATE SPUDDED 16. DATE TD. REACHED 17. DATE COMPL. (Ready to prod.)  18. ELEVATIONS (DF. RKB. RT. BR. ETC.)*  19. 5-19-99 5-20-99 6-7-99 15644' GL, 5656' KB  19. TOTAL DEPTH, MD & TVD 21. PLUG, BACK T.D., MD & TVD 22. IF MULTIPLE COMPL., HOW MANY*  1988' 0-1988' 0-1988'  1969' 0-1988' 0-1988'  PRODUCTION INTERVAL (S) OF THIS COMPLETION-TOP, BOTTOM, NAME (MD AND TVD)*  17. TT7- 1842' Pictured Cliffs  CASING RECORD (Report all strings set in well)  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 7 20# 1411' 8 3/4 94 cu ft	ctured Cliffs OCK AND SURVEY
At top prod. interval reported below  At top prod. interval reported below  At total depth  14. PERMIT NO. DATE ISSUED  12. COUNTY OR PARISH San Juan  No. Sec. 18, T-29-N  15. DATE SPUDDED  16. DATE TD REACHED  17. DATE COMPL. (Ready to prod.)  18. ELEVATIONS (DF. RKB. RT. BR. ETC.)*  19. 5-19-99  19. 5-20-99  19. 5-20-99  19. 6-7-99  19. 5644* GL., 5656* KB  19. 0. TOTAL DEPTH, MD &TVD  19. 19. 1969*  19. PRODUCTION INTERVAL (S) OF THIS COMPLETION-TOP, BOTTOM, NAME (MD AND TVD)*  17. TOTAL DEPTH AND OTHER LOGS RUN  17. TOTAL DEPTH SEC. (Report all strings set in well)  18. CASING RECORD (Report all strings set in well)  19. CASING SIZE/GRADE WEIGHT, LB./FT. DEPTH SET (MD) HOLE SIZE TOP OF CEMENT, CEMENTING RECORD AMOUNTY  14. PERMIT NO. DATE ISSUED  12. COUNTY OR  PARISH San Juan  18. ELEVATIONS (DF. RKB. RT. BR. ETC.)*  19. 5644* GL., 5656* KB  19. 0-1988*  1988*  1969*  1970 CASING RECORD (Report all strings set in well)  17. CASING RECORD (Report all strings set in well)  17. DATE COMPL. (Ready to prod.)  18. ELEVATIONS (DF. RKB. RT. BR. ETC.)*  19. 19. 20. 20. 20. 20. 20. 20. 20. 20. 20. 20	OCK AND SURVEY
At total depth    14. PERMIT NO.   DATE ISSUED   12. COUNTY OR   1   PARISH   San Juan   Ne	
At total depth    14. PERMIT NO.   DATE ISSUED   12. COUNTY OR   1   PARISH   San Juan   Ne	
14. PERMIT NO. DATE ISSUED  12. CCUNTY OR PARISH San Juan No.  5. DATE SPUDDED 16. DATE T.D. REACHED 17. DATE COMPL. (Ready to prod.)  5. 19-99 5-20-99 6-7-99 5644' GL, 5656' KB  0. TOTAL DEPTH. MD & TVD 21. PLUG, BACK T.D., MD & TVD 22. IF MULTIPLE COMPL., HOW MANY* DRILLED BY  1988' 1969' 0-1988' 0-1988'  A PRODUCTION INTERVAL (S) OF THIS COMPLETION-TOP, BOTTOM. NAME (MD AND TVD)*  1777' - 1842' Pictured Cliffs  6. TYPE ELECTRIC AND OTHER LOGS RUN GR/CCL  8. CASING RECORD (Report all strings set in well)  CASING SIZE/GRADE WEIGHT. LB./FT. DEPTH SET (MD) HOLE SIZE TOP OF CEMENT. CEMENTING RECORD AMOUT 7 20# 1411' 8 3/4 94 cu ft	, R-11-W
14. PERMIT NO. DATE ISSUED  12. CCUNTY OR PARISH San Juan No.  5. DATE SPUDDED 16. DATE T.D. REACHED 17. DATE COMPL. (Ready to prod.) 18. ELEVATIONS (DF. RKB. RT. BR. ETC.)* 19. 5-19-99 10. TOTAL DEPTH. MD & TVD 11. PLUG, BACK T.D., MD & TVD 12. IF MULTIPLE COMPL. HOW MANY* 1988' 1969' 1969' 1977 - 1842' Pictured Cliffs 1777 - 1842' Pictured Cliffs 1777 - 1842' Pictured Cliffs 1778 ELECTRIC AND OTHER LOGS RUN GR/CCL 178 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  20 AMOUNT 141' 15. CCUNTY OR PARISH San Juan No. 18. ELEVATIONS (DF. RKB. RT. BR. ETC.)* 19. 19. 5644' GL, 5656' KB  DRILLED BY  0-1988' 0-1988' 0-1988' 0-1988' 0-1988' 0-1988' 0-1988' 1777 - 1842' Pictured Cliffs 1777 - 1842' Pictured Cliffs 1778 - 1842' Pictured Cliffs 1789 - 1842' Pictured Cliffs 1790 - 1842' P	, R-11-W
14. PERMIT NO. DATE ISSUED  12. COUNTY OR 15 PARISH San Juan No. 5. DATE SPUDDED  15. DATE T.D. REACHED  17. DATE COMPL. (Ready to prod.)  18. ELEVATIONS (DF. RKB. RT. BR. ETC.)*  19. 5-19-99  19. 5-20-99  19. 5-20-99  19. 5-44* GL, 5656* KB  19. TOTAL DEPTH, MD &TVD  21. PLUG, BACK T.D., MD &TVD  22. IF MULTIPLE COMPL. 23. INTERVALS DRILLED BY  1988*  1969*  1969*  1977* - 1842* Pictured Cliffs  1777* - 1842* Pictured Cliffs  1777* - 1842* Pictured Cliffs  1778* CASING RECORD (Report all strings set in well)  1788* CASING RECORD (Report all strings set in well)  1798* CASING SIZE/GRADE WEIGHT, LB./FT. DEPTH SET (MD) HOLE SIZE TOP OF CEMENT, CEMENTING RECORD AMOUNT	
PARISH   San Juan   No.	
San Juan No. 5 DATE SPUDDED 16. DATE T.D REACHED 17. DATE COMPL. (Ready to prod.) 18. ELEVATIONS (DF. RKB. RT. BR. ETC.)* 19. 5-19-99 5-20-99 6-7-99 5644* GL., 5656* KB 0. TOTAL DEPTH. MD &TVD 21. PLUG. BACK T.D., MD &TVD 22. IF MULTIPLE COMPL., HOW MANY* 23. INTERVALS ROTARY TOOLS CA. HOW MANY* 1988* 0-1988* 0-1988* 0-1988* 0-1988* 25. WAS DIRECTIONS SURVEY MADE 1777* - 1842* Pictured Cliffs 6. TYPE ELECTRIC AND OTHER LOGS RUN GR/CCL 8. CASING RECORD (Report all strings set in well) CASING SIZE/GRADE WEIGHT. LB./FT. DEPTH SET (MD) HOLE SIZE TOP OF CEMENT. CEMENTING RECORD AMOUT 7 20# 141* 8 3/4 94 cu ft	3. STATE
16. Date t.D. Reached   17. Date COMPL. (Ready to prod.)   18. ELEVATIONS (DF, RKB, RT. BR. ETC.)*   19.	ew Mexico
21. PLUG, BACK T.D., MD &TVD 22. IF MULTIPLE COMPL., HOW MANY*  1988' 1969'  PRODUCTION INTERVAL (S) OF THIS COMPLETION-TOP, BOTTOM, NAME (MD AND TVD)*  25. WAS DIRECTION SURVEY MADE  1777' - 1842' PICTURED Cliffs  TYPE ELECTRIC AND OTHER LOGS RUN GR/CCL  CASING RECORD (Report all strings set in well)  CASING SIZE/GRADE WEIGHT, LB./FT. DEPTH SET (MD) HOLE SIZE TOP OF CEMENT, CEMENTING RECORD AMOU  7 20# 141' 8 3/4 94 cu ft	ELEV. CASINGHEAD
1988' 1969' PRODUCTION INTERVAL (S) OF THIS COMPLETION-TOP, BOTTOM, NAME (MD AND TVD)'  1777' - 1842' Pictured Cliffs TYPE ELECTRIC AND OTHER LOGS RUN GR/CCL CASING RECORD (Report all strings set in well)  CASING SIZE/GRADE WEIGHT, LB.FT. DEPTH SET (MD) HOLE SIZE TOP OF CEMENT, CEMENTING RECORD AMOU  7 20# 141' 8 3/4 94 cu ft	
1988' 1969' PRODUCTION INTERVAL (S) OF THIS COMPLETION-TOP, BOTTOM, NAME (MD AND TVD)'  1777' - 1842' Pictured Cliffs TYPE ELECTRIC AND OTHER LOGS RUN GR/CCL  CASING RECORD (Report all strings set in well)  CASING SIZE/GRADE WEIGHT, LB./FT. DEPTH SET (MD) HOLE SIZE TOP OF CEMENT, CEMENTING RECORD AMOU  7 20# 141' 8 3/4 94 cu ft	BLE TOOLS
PRODUCTION INTERVAL (S) OF THIS COMPLETION-TOP, BOTTOM, NAME (MD AND TVD)*  1777' - 1842' Pictured Cliffs  6. TYPE ELECTRIC AND OTHER LOGS RUN GR/CCL  8. CASING RECORD (Report all strings set in well)  CASING SIZE/GRADE WEIGHT, LB./FT. DEPTH SET (MD) HOLE SIZE TOP OF CEMENT, CEMENTING RECORD AMOU  7 20# 141' 8 3/4 94 cu ft	
1777' - 1842' Pictured Cliffs  6. TYPE ELECTRIC AND OTHER LOGS RUN GR/CCL  9. CASING RECORD (Report all strings set in well)  CASING SIZE/GRADE WEIGHT, LB./FT. DEPTH SET (MD) HOLE SIZE TOP OF CEMENT, CEMENTING RECORD AMOU  7 20# 141' 8 3/4 94 cu ft	
5. TYPE ELECTRIC AND OTHER LOGS RUN GR/CCL  6. CASING RECORD (Report all strings set in well)  CASING SIZE/GRADE WEIGHT, LB./FT. DEPTH SET (MD) HOLE SIZE TOP OF CEMENT, CEMENTING RECORD AMOU  7 20# 141' 8 3/4 94 cu ft	ŧ
CASING RECORD (Report all strings set in well)  CASING SIZE/GRADE WEIGHT, LB./FT. DEPTH SET (MD) HOLE SIZE TOP OF CEMENT, CEMENTING RECORD AMOU  7 20# 141' 8 3/4 94 cu ft	w.
CASING SIZE/GRADE WEIGHT, LB./FT. DEPTH SET (MD) HOLE SIZE TOP OF CEMENT, CEMENTING RECORD AMOU 7 20# 141' 8 3/4 94 cu ft	
7 20# 141' 8 3/4 94 cu ft	
	INT PULLED
3 1/2 9.3# 1979' 6 1/4 515 cu ft	· · · · · · · · · · · · · · · · · · ·
TIGING DECORD	
9. LINER RECORD 30. TUBING RECORD  SIZE TOP (MD) BOTTOM (MD)   SACKS CEMENT*   SCREEN (MD)   SIZE   DEPTH SET (MD)   PACKE	ER SET (MD)
(iii)	
PERFORATION RECORD (Interval. size and number)  32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC	
77, 1782, 1786, 1790, 1794, 1797, 1800, 1803, 1807, 12, 1816, 1819, 1824, 1826, 1835, 1842  1777-1842'  244 bbl 30# linear gel, 85,000# 16/30 AZ s	
235,700 SCF N2	
3. PRODUCTION	
TE FIRST PRODUCTION PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) WELL STATUS (Proc	
7-99 Flowing SI  TE OF TEST HOURS TESTED   CHOKE SIZE   PROD'N FOR OIL-BBL GAS-MCF WATER-BBL GAS-MCF	auding of snut-in)
TEST PERIOD	_
7-99   602 Pitot Gauge	S-OIL RATIO
DW. TUBING PRESS. CASING PRESSURE CALCULATED CIL-BBL GAS-MCF WATER-BBL OIL  24-HOUR RATE	AS-OIL RATIO
SI 115 ——————————————————————————————————	_
4. DISPOSITION OF GAS (Soid, used for rule), vented, etc.)	AS-OIL RATIO
To be sold  5 LIST OF ATTACHMENTS	AS-OIL RATIO
	AS-OIL RATIO
6 I hereby certify that the foregoing and attached information is complete and correct as determined from all available records	AS-OIL RATIO L GRAVITY-API (CORR.
ACCEPTE	AS-OIL RATIO

\*(See Instructions and Spaces for Additional Data 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 of agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

FARMINGTON FIELD OFFICE

DATE June 30, 1999

TITLE Regulatory Administrator

Interbedded w/tight, gry, fine-gr ss.  Ojo Alamo Kirtland Fruitland Fruitland Pic.Cliffs	451' 573' White, cr-gr ss.  573' 1453' Gry sh interbedded w/tight, gry, fine-gr ss.  1453' 1774' Dk gry-gry carb sh, coal, grn silts, lightmed gry, tight, fine gr ss.  Cliffs 1774' 1988' Bn-Gry, fine grn, tight ss.	FORMATION TOP BOTTOM DESCRIPTION CONTENT	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 open, flowing and shut-in pressures, and recoveries):  PORMATION TOP BOTTOM DESCRIPTION, CONTENTS, ETC.
451' 573' White, cr-gr ss.  573' 1453' Gry sh interbedded w/tight, gry, fine-gr ss.  Dk gry-gry carb sh, coal, grn silts, light- Ojo Alamo med gry, tight, fine gr ss.  Cliffs 1774' 1988' Bn-Gry, fine grn, tight ss.  Cliffs 1774' 1988' Bn-Gry, fine grn, tight ss.	451' 573' White, cr-gr ss.  573' 1453' Gry sh interbedded w/tight, gry, fine-gr ss.  1453' 1774' Dk gry-gry carb sh, coal, grn silts, light- Kirtland med gry, tight, fine gr ss.  Cliffs 1774' 1988' Bn-Gry, fine grn, tight ss.	ТОР	CONTENTS, BIC.
451' 573' White, cr-gr ss.  573' 1453' Gry sh interbedded w/tight, gry, fine-gr ss.  1453' 1774' Dk gry-gry carb sh, coal, grn silts, light- Ojo Alamo med gry, tight, fine gr ss.  Cliffs 1774' 1988' Bn-Gry, fine grn, tight ss.  Cliffs 1774' 1988' Bn-Gry, fine grn, tight ss.	451' 573' White, cr-gr ss.  573' 1453' Gry sh interbedded w/tight, gry, fine-gr ss.  1453' 1774' Dk gry-gry carb sh, coal, grn silts, light- Gio Alamo Med gry, tight, fine gr ss.  Cliffs 1774' 1988' Bn-Gry, fine grn, tight ss.  Cliffs 1774' 1988' Cliffs		
Gry sh interbedded w/tight, gry, fine-gr ss.  1453' 1774' Dk gry-gry carb sh, coal, grn silts, light- Ojo Alamo med gry, tight, fine gr ss.  Cliffs 1774' 1988' Bn-Gry, fine grn, tight ss.  Cliffs 1774' 1988' Bn-Gry, fine grn, tight ss.	Gry sh interbedded w/tight, gry, fine-gr ss.  1453' 1774' Dk gry-gry carb sh, coal, grn silts, light- Kirtland med gry, tight, fine gr ss.  Cliffs 1774' 1988' Bn-Gry, fine grn, tight ss.	451' 573' White, cr-gr	
d 1453' 1774' Dk gry-gry carb sh, coal, grn silts, light- Ojo Alamo Kirtland med gry, tight, fine gr ss. Fruitland Fruitland Pic.Cliffs 1774' 1988' Bn-Gry, fine grn, tight ss.	d 1453' 1774' Dk gry-gry carb sh, coal, grn silts, light- Ojo Alamo Mied gry, tight, fine gr ss. Fruitland Fruitland Pic.Cliffs 1774' 1988' Bn-Gry, fine grn, tight ss.	573' 1453' Gry sh	
1774' 1988' Bn-Gry, fine grn, tight ss.	1774' 1988' Bn-Gry, fine grn, tight ss.  Pic.Cliffs	d 1453' 1774' Dk gry-gry carb med gry, tight,	coal, grn silts, light gr ss.
		1774' 1988' Bn-Gry, fine grn, tight	
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