

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE*
(See other instructions on reverse side)

FOR APPROVED
OMB NO. 1004-0137

Expires: December 31, 1991

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

1a. TYPE OF WELL: OIL WELL ☐ GAS WELL ☒ DRY ☐ Other ☐				5. LEASE DESIGNATION AND SERIAL NO. SF-078138	
b. TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR ☐ Other ☐				6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
2. NAME OF OPERATOR BURLINGTON RESOURCES OIL & GAS COMPANY				7. UNIT AGREEMENT NAME	
3. ADDRESS AND TELEPHONE NO. PO BOX 4289, Farmington, NM 87499 (505) 326-9700				8. FARM OR LEASE NAME, WELL NO. Hartman 23 #1M	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements) At surface SEC. 23, T30N, R11W, NMPM SWNW 1475' FNL, 765' FWL At top prod. interval reported below At total depth				9. API WELL NO. 30-045-30839	
10. FIELD AND POOL, OR WILDCAT Otero Chacra/Blanco Mesaverde/Basin Dakota				11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA SEC. 23 T30N, R11W, NMPM	
14. PERMIT NO.		DATE ISSUED		12. COUNTY OR PARISH San Juan	13. STATE New Mexico
15. DATE SPUDDED 11/5/04	16. DATE T.D. REACHED 1/16/05	17. DATE COMPL. (Ready to prod.) 1/17/05	18. ELEVATIONS (DF, RKB, RT, BR, ETC.)* 5954' GL, 5966' KB	19. ELEV. CASINGHEAD	
20. TOTAL DEPTH, MD & TVD 7013'	21. PLUG, BACK T.D., MD & TVD 7010'	22. IF MULTIPLE COMPL., HOW MANY*	23. INTERVALS DRILLED BY yes	24. WAS DIRECTIONAL SURVEY MADE No	
25. PRODUCTION INTERVAL (S) OF THIS COMPLETION-TOP, BOTTOM, NAME (MD AND TVD)* 3397' - 3818' Chacra				26. TYPE ELECTRIC AND OTHER LOGS RUN GR/CBL/CCL	
27. WAS WELL CORED No					
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
9 5/8"	32.3# H-40	224'	12 1/4"	129 cu ft	
7"	20# J-55	4321'	8 3/4"	1183 cu ft	
4 1/2"	10.5# J-55	7012'	6 1/4"	371 cu ft	
29. LINER RECORD					
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	
				2 3/8"	6886'
30. TUBING RECORD					
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	PACKER SET (MD)
31. PERFORATION RECORD (Interval, size and number) 1 spf .34" dia. 3397' - 3818' = 25 holes 25 holes total			32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.		
DEPTH INTERVAL (MD)			AMOUNT AND KIND OF MATERIAL USED		
3397' - 3818'			Acidize w/10 bbls 15% HCL		
			Frac w/623 bbls slickwater, 200,000# 20/40 AZ Sand		
			996,000 scf N2		
33. PRODUCTION					
DATE FIRST PRODUCTION 2/24/05	PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Flowing			WELL STATUS (Producing or shut-in) Producing	
DATE OF TEST 2/22/05	HOURS TESTED 1 hour	CHOKE SIZE	PROD/N FOR TEST PERIOD	OIL-BBL	GAS-MCF
FLOW. TUBING PRESS. SI 481	CASING PRESSURE SI 516	CALCULATED 24-HOUR RATE	OIL-BBL	GAS-MCF	WATER-BBL
			0	268	0
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) To be sold					TEST WITNESSED BY
35. LIST OF ATTACHMENTS Commingled DK/MV/CH well being DHC's per Order #3392 AZ					2005 MAR 6 PM 2 31
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records					ACCEPTED FOR RECORD MAR 10 2005 DATE 2/24/05
SIGNED <u>Jonni Clark</u> TITLE Senior Regulatory Specialist					FIELD OFFICE

*(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 the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

NMOCD

37. SUMMARY OF POROUS ZONES (Show all important zones of porosity and contacts thereof; corod intervals; and all drill-stem, tests, including depth interval tested, casing used, time tool open, flowing and shut-in pressures, and recoveries)

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	TOP	
					MEAL. DEPTH	TRUE VERT. DEPTH

38. GEOLOGIC MARKERS

Ojo Alamo	1028'	1126'	White, cr-gr ss.	Ojo Alamo	1028'	
Kirtland	1126'	2170'	Gry sh interbedded w/tight, gry, fine-gr ss.	Kirtland	1126'	
Fruitland	2170'	2388'	Dk gry-gry carb sh, coal, grn silts, light-med gry, tight, fine gr ss.	Fruitland	2170'	
Pictured Cliffs	2388'	2526'	Bn-Gry, fine grn, tight ss.	Pictured Cliffs	2388'	
Lewis	2526'	3130'		Lewis	2526'	
				Huerfanito Bent	3130'	
				Chacra	3395'	
				Cliffhouse	3947'	

Huerfanito Bentonite*	3130'	3395'	White, waxy chalky bentonite			
Chacra	3395'	3947'	Gry fn grn silty, glauconitic sd stone w/drk gry shale	Menefee	4186'	
Cliff House	3947'	4186'	ss. Gry, fine-grn, dense sil ss.	Point Lookout	4683'	
Menefee	4186'	4683'	Med-dark gry, fine gr ss, carb sh & coal	Mancos	5030'	
Point Lookout	4683'	5030'	Med-light gry, very fine gr ss w/frequent sh breaks in lower part of formation	Gallup	5924'	
Mancos	5030'	5924'	Dark gry carb sh.	Greenhorn	6661'	
Gallup	5924'	6661'	Lt gry to brn calc carb micac glauc silts & very fine gr gry ss w/irreg.interbed sh	Graneros	6716'	
Greenhorn	6661'	6716'	Highly calc gry sh w/thin lmst.	Dakota	6776'	
Graneros	6716'	6776'	Dk gry shale, fossil & carb w/pyrite incl.			
Dakota	6776'	7010'	Lt to dk gry foss carb sl calc sl silty ss w/pyrite incl thin sh bands clay & shale breaks			

* Huerfanito Bentonite is the legal top of Mesaverde in New Mexico (North of Chacra line)