UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

JUN 2006

	APPLI	CATION FOR PERMIT TO DRILL, D	DEEPEN, OR PLUG BACK
1a.	Type of Work DRILL	2004 SEP 30 FE 10 19 RECEIVED	
1b.	Type of Well GAS	070 FARMINGTON ""	6. If Indian, All. or Tribe
2.	Operator BURLINGTON RESOURCES	Oil & Gas Company	7. Unit Agreement Name
3.	Address & Phone No PO Box 4289, (505) 326-970	Farmington, NM 87499	8. Farm or Lease Name McManus 9. Well Number 13R
4.	Location of Well 1810'FSL, 1445' Latitude 36° 25		10. Field, Pool, Wildcat Ballard Pictured Cliffs 11. Sec., Twn, Rge, Mer. (NMPM) Sec. 4, T25N, R8W API # 30-045-32604
14.	Distance in Miles from 35 miles to Blo		12. County 13. State San Juan NM
15.		sed Location to Nearest Property or Le	ease Line
16.	1445' Acres in Lease		17. Acres Assigned to Well PC SW/160
18.	Distance from Propos	sed Location to Nearest Well, Drlg, Cor	mpl, or Applied for on this Lease
19.	2657' Proposed Depth 2295'		20. Rotary or Cable Tools Rotary
21.	Elevations (DF, FT, G 6481'	R, Etc.)	22. Approx. Date Work will Start
23.	Proposed Casing and See Operations	S Plan attached	
24.	Authorized by:	ulatory/Compliance Specialis	3/19/04 Date
PERM	IIT NO.	APPROV	/AL DATE
APPR	OVED BY Original Signe	d: Stephen Mason TITLE	DATE
Threa NOTE: Title 18	This format is issued in lieu of U.S.C. Section 1001, makes	Species Report to be submitted of U.S. BLM Form 3160-3	ully to make to any department or agency of the United ther within its jurisdiction.
This proce	action is subject to technical an	രമെല്ലു	SUBJECT TO COMPLIANCE WITH ATTACHED "GENERAL REQUIREMENTS".

This action is subject to technical and procedural review pursuant to 43 CFR 3165.3 and appeal pursuant to 43 CFR 3165.4

NMOCD

DISTRICT I 1625 N. French Dr., Hobbs, N.M. 88240

State of New Mexico Energy, Minerals & Natural Resources Department

Form C-102 Revised August 15, 2000

DISTRICT II 811 South First, Artesia, N.M. 88210

1000 Rio Brazos Rd., Aztec, N.M. 87410

OIL CONSERVATION DIVISION 2040 South Pacheco Santa Fe, NM 87505

Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

DISTRICT IV 2040 South Pacheco, Santa Fe. NM 87505

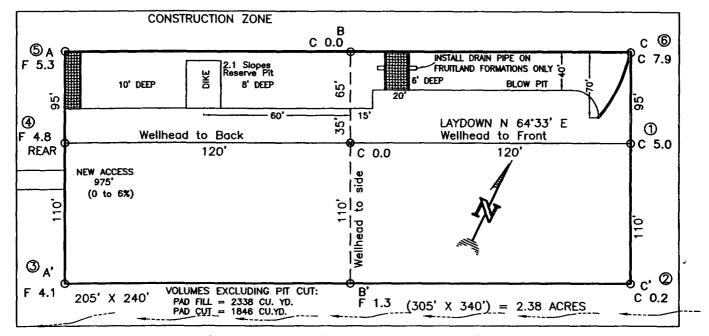
☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT **Property Number **Pool Code **Property Name	*Well Number			
30-039- 32604 71439 Ballard Pictured Cliffs Property Code Property Name 7309 McMANUS Operator Name PUBLINICION PESCUROES OU AND CAS COMPANY LD	13R			
Property Code Property Name 7309 McMANUS Operator Name PUBLINGTON DESCRIPTION OF COMPANY LD	13R			
7309 McMANUS *OGRID No. *Operator Name				
OGRID No. Operator Name				
14538 BURLINGTON RESOURCES OIL AND GAS COMPANY LP	• Elevation			
	6481'			
¹⁰ Surface Location				
UL or lot no. Section Township Range Lot Idn Feet from the North/South line Feet from the East/West	line County			
K 4 25-N 8-W 1810' SOUTH 1445' WEST	SAN JUAN			
¹¹ Bottom Hole Location If Different From Surface				
UL or lot no. Section Township Range Lot Idn Feet from the North/South line Feet from the East/West	line County			
¹⁸ Dedicated Acres				
PC SU/160	Š			
PC SW/160 NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEE	N CONSOLIDATED			
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION	M COMBOLIDATED			
	R CERTIFICATION			
is true and complete to	I hereby certify that the information contained herein is true and complete to the best of my knowledge and			
LOT 4 LOT 3 LOT 2 LOT 1				
	10 1			
	Clark			
Jon's Clark				
Printed Name				
FD 3 1/4" B.L.M. BC Regulatory Title	-			
B.L.M. BC	19-04			
Date				
18 SURVEYOR	CERTIFICATION			
	vell location shown on this plat is of actual surveys made by			
1445' IAT 36°25 6529' N (NAD 27) me or under my supervisio	m, and that the same is true			
LONG: 107'41.4371' W. (NAD 27)				
Data of Street A	04			
2 4	Son			
	Manual Strates			
SON CALC'D CORNER	A) NE			
Z WITHER CORNER				
FD 3 1/4" BC				
FD 3 1/4" BLM 1954 BLM. BC S 89-23-50 E S 89-23-50 W	DYNG			
1954 2614.08' (C) 99.0' (C) Certificate Number				

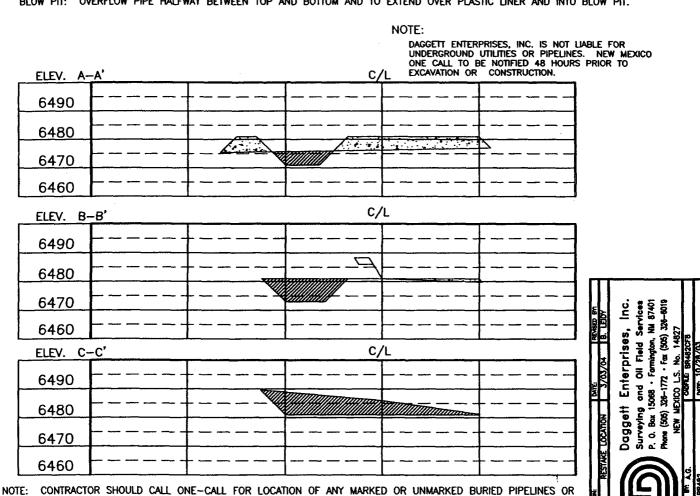
Submit 3 Copies To Appropriate District State of New Mexico Form C-103 Office Energy, Minerals and Natural Resources March 4, 2004 District I WELL API NO. 1625 N. French Dr., Hobbs, NM 88240 District II 30-045-**OIL CONSERVATION DIVISION** 1301 W. Grand Ave., Artesia, NM 88210 5. Indicate Type of Lease District III 1220 South St. Francis Dr. STATE [FEE 1000 Rio Brazos Rd., Aztec, NM 87410 Santa Fe, NM 87505 6. State Oil & Gas Lease No. District IV 1220 S. St. Francis Dr., Santa Fe, NM NMNM-04226 87505 SUNDRY NOTICES AND REPORTS ON WELLS 7. Lease Name or Unit Agreement Name (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A McManus DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.) 8 Well Number 1. Type of Well: 13R Oil Well Gas Well Other 2. Name of Operator 9. OGRID Number Burlington Resources Oil & Gas Company LP 14538 3. Address of Operator 10. Pool name or Wildcat 3401 E. 30th Street, Farmington, NM 87402 **Ballard Pictured Cliffs** 4. Well Location <u>K</u>: 1810 feet from the <u>South</u> line and 1445 feet from the West Township Section 25N Range 8W **NMPM** San Juan County, NM 11. Elevation (Show whether DR, RKB, RT, GR, etc.) Pit or Below-grade Tank Application (For pit or below-grade tank closures, a form C-144 must be attached) Pit Location: UL K Sect 4 Twp 25N Rng 8W Pit type New Depth to Groundwater >100' Distance from nearest fresh water well_>1000' Distance from nearest surface water >1000' Below-grade Tank Location UL____Sect__ Twp feet from the _line and _____feet from the _____line 12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data NOTICE OF INTENTION TO SUBSEQUENT REPORT OF: PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐ REMEDIAL WORK ALTERING CASING □ **TEMPORARILY ABANDON CHANGE PLANS** COMMENCE DRILLING OPNS. PLUG AND **ABANDONMENT** PULL OR ALTER CASING MULTIPLE CASING TEST AND П COMPLETION **CEMENT JOB** OTHER: New Drill Pit X OTHER: П 13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion. Burlington Resources proposes to construct a new drill pit. The new drill pit will be an unlined pit as detailed in Burlington's general pit construction plan dated April 26, 2004 on file at the NMOCD office. I hereby certify that the information above is true and complete to the best of my knowledge and belief. I further certify that any pit or belowgrade tank has been/will be constructed or closed according to NMOCD guidelines [], a general permit [] or an (attached) alternative OCD-approved plan []. **SIGNATURE** TITLE Regulatory Specialist DATE 9/28/04 Joňi Clark Type or print name E-mail address jclark@br-inc.com Telephone No. 326-9700 (This space for State use)

APPPROVED BY Conditions of approval, if any

BURLINGTON RESOURCES OIL & GAS COMPANY LP McMANUS No. 13R, 1810 FSL 1445 FWL SECTION 4, T-25-N, R-8-W, N.M.P.M., SAN JUAN COUNTY, NEW MEXICO GROUND ELEVATION: 6481, DATE: FEBRUARY 19, 2004



RESERVE PIT DIKE: TO BE 8' ABOVE DEEP SIDE (OVERFLOW - 3' WIDE AND 1' ABOVE SHALLOW SIDE). BLOW PIT: OVERFLOW PIPE HALFWAY BETWEEN TOP AND BOTTOM AND TO EXTEND OVER PLASTIC LINER AND INTO BLOW PIT.



CABLES ON WELL PAD AND OR ACCESS ROAD AT LEAST TWO (2) WORKING DAYS PRIOR TO CONSTRUCTION.

OPERATIONS PLAN

Well Name: McManus #13R

Location: 1810'FSL, 1445'FWL, Section 4, T-25-N, R-8-W

San Juan County, New Mexico

Latitude 36° 25.6529'N', Longitude 107° 41.4371'W

Formation: Ballard Pictured Cliffs

Elevation: 6481' GL

Formation:	Тор	Bottom	Contents
Surface	San Jose	1303 ′	
Ojo Alamo	1303 ′	1468′	aquifer
Kirtland	1468′	1845 '	gas
Fruitland Coal	1845'	2095'	gas
Base of Basal Coal	2095 ′	2281 ′	gas
Pictured Cliffs	2281'		gas
Total Depth	2295′		_

Logging Program:

Mud log - none Open hole - none cased hole - GR/CBL

Coring Program: None

Mud Program:

Interval	Type	Weight	Vis.	Fluid Loss
0- 120'	Spud	8.4-9.0	40-50	no control
120-2295 ′	FW	8.4-9.0	32-45	no control

Casing Program (as listed, equivalent, or better):

casing riogiam (as listed, equivalent, of better):						
Hole Size	Depth Interval	Csg.Size	<u>Wt.</u>	Grade		
8 3/4"	0 - 120'	7″	20.0#	J-55		
6 1/4"	0 - 2295'	4 1/2"	10.5#	J-55		
Tubing Program:						
	0' -2295'	2 3/8"	4.7#	J-55		

Float Equipment: 7" surface casing - saw tooth guide shoe. Centralizers will be run in accordance with Onshore Order #2.

4 1/2" production casing - float shoe on bottom. Standard centralizers run every other joint above shoe to the base of the Ojo Alamo @ 1468'. Two turbolizing type centralizers - one below and one into the base of the Ojo Alamo @ 1468'. Standard centralizers thereafter every fourth joint up to the base of the surface pipe.

Wellhead Equipment: $7" \times 4 \frac{1}{2}" \times 2 \frac{3}{8}" 2000$ psi screw on independent wellhead.

Cementing:

7" surface casing pre-set drilled- cement with 34 sxs Type III cement with 20% flyash mixed at 14.5 ppg, 1.61 cu ft per sack yield. (Bring cement to surface). Wait on cement for 24 hours for pre-set holes before pressure testing or drilling out from under surface.

7" surface casing conventionally drilled - cement with 43 sxs Type III cement with 0.25 pps Celloflake, 3% calcium chloride(54 cu ft). (200% excess, bring cement to surface). Wait on cement appropriate time until cement achieves 250 psi compressive strength at 60 degrees F. prior to nipple up of BOPE. Wait on cement for 8 hrs for conventionally set holes before pressure testing or drilling out from under surface.

Saw tooth guide shoe on bottom. Bowspring centralizers will be run in accordance with Onshore Order #2.

4 1/2" production casing - Lead w/109 sx Premium Lite cement w/3% calcium chloride, 0.25 pps celloflake, 5 pps LCM-1, 0.4% fluid loss, 0.4% sodium metasilicate. Tail w/90 sx Type III cement w/1% calcium chloride, 0.25 pps celloflake, and 0.2% fluid loss (356 cu.ft. of slurry, 50% excess to circulate to surface).

Note: If open hole logs are run, cement volumes will be based on 25% excess over caliper volumes.

BOP and tests:

Surface to TD - 7 1/16'' 2000 psi (minimum) single spherical annular BOP stack (Reference Figure #1). Prior to drilling out surface casing, test BOP and casing to 400 psi/30 min.

Completion - 6" 2000 psi (minimum) double gate BOP stack (Reference Figure #2). Prior to completion operations, test BOP and casing to 2000 psi/15 min.

From surface to TD - choke manifold (Reference Figure #3).

Pipe rams will be actuated at least once each day and blind rams actuated once each trip to test proper functioning. An upper kelly cock valve with handle and drill string safety valves to fit each drill string will be maintained and available on the rig floor.

Additional information:

- * The Pictured Cliffs formation will be completed.
- * Anticipated pore pressure for the Pictured Cliffs is 500 psi.
- * This gas is dedicated.
- * The southwest quarter of Section 4 is dedicated to the Pictured

ling Engineer

Date

2000 psi BOP System

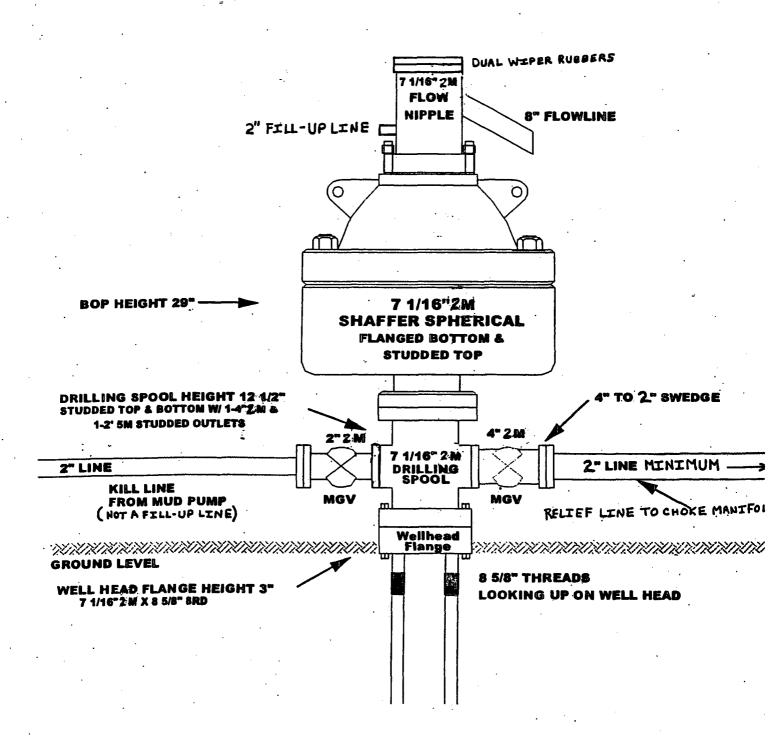
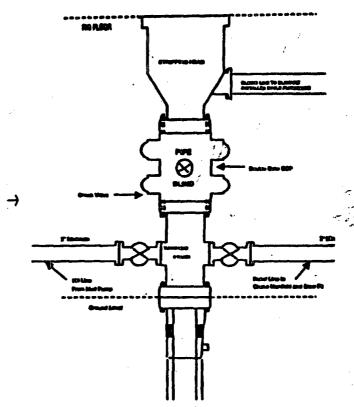


FIGURE 1

BURLINGTUN RESCUNCES

Completion/Workover Rig BOP Configuration 2,000 pel System

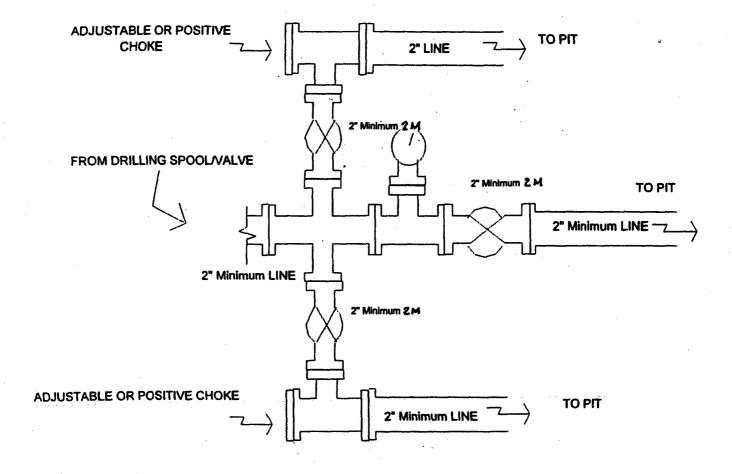


Minimum BOP inetalistion for all Completion/Workover Operations. 7-1/16" bors, 2000 pel minimum working pressure double gate BOP to be equipped with blind and pipe rems. A stripping head to be installed on the top of the BOP. All BOP equipment is 2000 pel working pressure or greater excluding 500 pel stripping head.

Figure #2

BURLINGTON RESOURCES

Drilling Rig Choke Manifold Configuration 2000 psi System



Choke manifold installation from Surface Casing Point to Total Depth. 2,000 psi working pressure equipment with two chokes.