

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

APR 09 2009

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

Bureau of Land Management
Farmington Field Office

1a. Type of Work DRILL	5. Lease Number SF-080671-A Unit Reporting Number	
1b. Type of Well GAS	6. If Indian, All. or Tribe	
2. Operator BURLINGTON RESOURCES Oil & Gas Company, LP	7. Unit Agreement Name DIST. 3 San Juan 27-4 Unit	
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700	8. Farm or Lease Name 9. Well Number 33A	
4. Location of Well Surf: Unit B(NWNE), 165' FNL & 2240' FEL Surf: Latitude: 36.594359° N (NAD83) Longitude: 107.219777° W	10. Field, Pool, Wildcat Blanco Mesaverde 11. Sec., Twn, Rge, Mer. (NMPM) B Sec. 11, T27N, R4W API # 30-039-30731	
14. Distance in Miles from Nearest Town 65 miles/Blanco	12. County Rio Arriba	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 165'	17. Acres Assigned to Well MV 320.00 (E/2)	
16. Acres in Lease 1,280.00	18. Distance from Proposed Location to Nearest Well, Drig, Compl, or Applied for on this Lease	
19. Proposed Depth 6683'	20. Rotary or Cable Tools Rotary	
21. Elevations (DF, FT, GR, Etc.) 7168' GL	22. Approx. Date Work will Start	
23. Proposed Casing and Cementing Program See Operations Plan attached	BLM'S APPROVAL OR ACCEPTANCE OF THIS ACTION DOES NOT RELIEVE THE LESSEE AND OPERATOR FROM OBTAINING ANY OTHER AUTHORIZATION REQUIRED FOR OPERATIONS ON FEDERAL AND INDIAN LANDS	
24. Authorized by: <u>Crystal Tafoya</u> Crystal Tafoya (Regulatory Technician)	Date <u>4/8/2009</u>	

PERMIT NO.

APPROVAL DATE

APPROVED BY D. Montoya

TITLE AFM

DATE 5/18/09

Archaeological Report attached

Threatened and Endangered Species Report attached

NOTE: This format is issued in lieu of U.S. BLM Form 3160-3

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

Example Master Plan Type 3

Bond Numbers NMB-000015 and NMB-000089

HOLD C104 FOR AFM

NMCCD

This action is subject to technical and procedural review pursuant to 43 CFR 3165.8 and appeal pursuant to 43 CFR 3165.4

Drilling operations authorized are subject to compliance with attached "General Requirements".

MAY 20 2009

District I

1625 N. French Dr., Hobbs, NM 88240

District II

1301 W. Grand Avenue, Artesia, NM 88210

District III

1000 Rio Brazos Rd., Aztec, NM 87410

District IV

1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION

1220 South St. Francis Dr.

Santa Fe, NM 87505

Form C-102

Revised October 12, 2005

Submit to Appropriate District Office

State Lease - 7 Copies

Fee Lease - 3 Copies

APR 09 2009

☐ AMENDED REPORTBureau of Land Management
Farmington Field Office

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-039-30731		² Pool Code 72319	³ Pool Name BLANCO MESAVERDE	
⁴ Property Code 7452	⁵ Property Name SAN JUAN 27-4 UNIT			⁶ Well Number 33A
⁷ OGRID No. 14538	⁸ Operator Name BURLINGTON RESOURCES OIL AND GAS COMPANY LP			⁹ Elevation 7168

¹⁰ SURFACE LOCATION

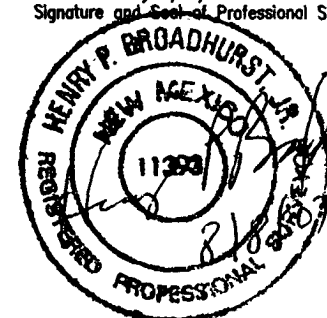
UL or lot no. B	Section 11	Township 27-N	Range 4-W	Lot Idn	Feet from the 165	North/South line NORTH	Feet from the 2240	East/West line EAST	County RIO ARRIBA
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¹¹ Bottom Hole Location If Different From Surface

UL or lot no. B	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
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¹² Dedicated Acres 320.00	¹³ Joint or Infill (E/2)	¹⁴ Consolidation Code	¹⁵ Order No.
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NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN
CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

NORTH 5280' (R)	WEST 5280' (R)	165'	2240'	NORTH 5280' (R)	¹⁷ OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division. <i>Crystal Tafoya</i> 4/6/09 Signature Crystal Tafoya Printed Name Regulatory Technician Title and E-mail Address April 6th, 2009 Date
	WELL FLAG NAD 83 LAT: 36.594359° N LONG: 107.219777° W NAD 27 LAT: 36°35.660976' N LONG: 107°13.150738' W	E/2 DEDICATED ACREAGE USA SF-080671-A SECTION 11, T-27-N, R-4-W			
	WEST 5284' (R)				¹⁸ SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief. Date of Survey: 7/12/07 Signature and Seal of Professional Surveyor:  Certificate Number: NM 11393

PROJECT PROPOSAL - New Drill / Sidetrack

SAN JUAN 27-4 UNIT 33A

DEVELOPMENT

Lease:		AFE #: WAN.ZA2.7577		AFE \$: 1,145,505.10	
Field Name: hBR_SAN JUAN 27-4 UNIT		Rig:	State: NM	County: RIO ARRIBA	API #:
Geologist:		Phone:	Geophysicist:		Phone:
Geoscientist:		Phone:	Prod. Engineer:		Phone:
Res. Engineer: Prabowo, Wahyu		Phone: +1-505-326-9797	Proj. Field Lead:		Phone:

Primary Objective (Zones):

Zone	Zone Name
R20002	MESAVERDE(R20002)

Location: Surface Datum Code: NAD 27

Latitude: 36.594349	Longitude: -107.219179	X:	Y:	Section: 11	Range: 004W
Footage X: 2240 FEL	Footage Y: 165 FNL	Elevation: 7168	(FT)	Township: 027N	
Tolerance:					

Location Type: Restricted Start Date (Est.): 1/1/2010 Completion Date: Date In Operation:

Formation Data: Assume KB = 7182 Units = FT

Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks
Surface Casing	200	6982	<input type="checkbox"/>			12-1/4" hole, 9-5/8" 32.3 ppf, H-40, STC casing. Cement w/ 159 cuft. Circulated Cmt to surface.
OJO ALAMO	3469	3713	<input type="checkbox"/>			Possible water flows.,On strike & flat to 27-4 #28A
KIRTLAND	3668	3514	<input type="checkbox"/>			
FRLD	4038	3144	<input type="checkbox"/>			Possible gas.
PICTURED CLIFFS	4038	3144	<input type="checkbox"/>	500		
LEWIS	4169	3013	<input type="checkbox"/>			
Intermediate Casing	4269	2913	<input type="checkbox"/>			8-3/4" hole, 7" 20/23 ppf, J-55, STC/LTC casing. Cement w/ 962 cuft. Circulated Cmt to surface.
HUERFANITO BENTONITE	4331	2851	<input type="checkbox"/>			
CHACRA	5035	2147	<input type="checkbox"/>			
UPPER CLIFF HOUSE	5654	1528	<input type="checkbox"/>			
MASSIVE CLIFF HOUSE	5841	1341	<input type="checkbox"/>	1200		
MENELEE	5939	1243	<input type="checkbox"/>			
MASSIVE POINT LOOKOUT	6209	973	<input type="checkbox"/>			NDE for Mancos,Bottom perf +599' on 27-4#28A,TD 100' below lowest PNLK sd.
Total Depth	6683	499	<input type="checkbox"/>			6-1/4" hole, 4-1/2" 10.5 ppf, J-55, STC casing. Cement w/ 334 cuft. Circulated Cmt to surface.

Reference Wells:

Reference Type	Well Name	Comments
Intermediate	SJ 27-4 Unit 28A	NW 11-27n-04w
Intermediate	SJ 27-4 Unit 122	SE 2-27n-04w

PROJECT PROPOSAL - New Drill / Sidetrack

SAN JUAN 27-4 UNIT 33A

DEVELOPMENT

Logging Program:

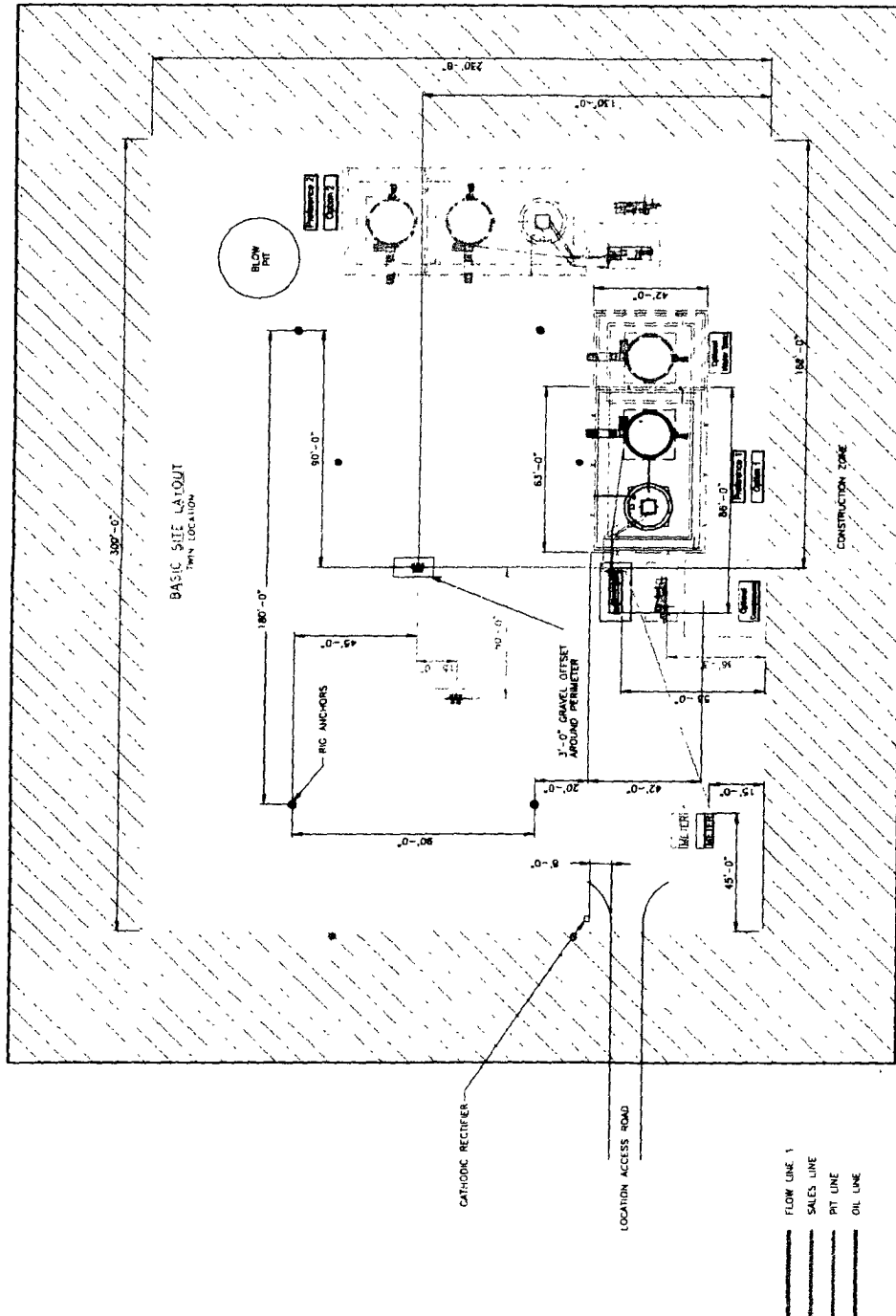
Intermediate Logs: ☐ Log only if show ☐ GR/ILD ☐ Triple Combo

TD Logs: ☐ Triple Combo ☐ Dipmeter ☒ RFT ☐ Sonic ☐ VSP ☐ TDT ☒ Other

GR/CBL

Additional Information:

Log Type	Stage	From (Ft)	To (Ft)	Tool Type/Name	Remarks
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SEE SHEET 2 & 4 FOR TAPPING DETAILS
 ALL UNDERGROUND PIPE IS TO BE MARKED A MIN. OF 3'-0" TOP

SHEET 1 OF 5

<div></div>										<div>CONOCOPHILLIPS HIGH PRESSURE 3 PHASE FACILITY DIAGRAM - SITE LAYOUT</div>									
SAN JUAN BUSINESS UNIT										CLIENT NAME: CONOCO PHILLIPS CLIENT NO.: 1000000000 SCALE: AS SHOWN DATE: 11/15/00									
DESCRIPTION: CONOCOPHILLIPS										DATE: 11/15/00									
PROCESS: MECHANICAL										DATE: 11/15/00									
EQUIPMENT: PUMP										DATE: 11/15/00									
SYSTEM: I & C										DATE: 11/15/00									
DRAWING: CONOCOPHILLIPS										DATE: 11/15/00									
PROJECT: PROJECT										DATE: 11/15/00									
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BURLINGTON RESOURCES OIL & GAS COMPANY LP

SAN JUAN 27-4 UNIT 33A

165' FNL, 2240' FEL

SECTION 11, T-27-N, R-4-W, N.M.P.M.,

RIO ARriba COUNTY, NEW MEXICO

ELEV. 7168 NAVD88

DRIVING DIRECTIONS FROM BLANCO, N.M.

- HEAD EAST ON HWY 64, TURN RIGHT (SOUTHEAST) AT MILE POST 96.3
- STAY ON MAIN ROAD AND TURN LEFT AT 3.4 MILES
- CONTINUE ON MAIN ROAD. TO AN INTERSECTION 6.7 MILES FROM HWY 64
- TURN RIGHT AND START HEADING SOUTH TOWARDS SANTOS PEAK
- GO 18.4 MILES (CONTINUE) FROM HWY TO FOREST CATTLEGUARD.
- CONTINUE ON MAIN ROAD FOR 1.5 MILES TO INTERSECTION FR 314A
- TURN LEFT (NORTHEAST) ON FR 314 AND GO 5.2 MILES TO INTERSECTION.
- TURN (WEST) LEFT PM FR 314A AND GO 1.0 MILES TO INTERSECTION.
- TURN (SOUTHWEST) LEFT AND GO 0.5 MILES TO INTERSECTION
- TURN RIGHT (SOUTH) AND GO 1.8 MILES TO BEGIN ACCESS ROAD. SAN JUAN 27-4 UNIT 33A WELL PAD