

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

DEC 03 2008

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

Bureau of Land Management
Farmington Field Office

RECEIVED
BUREAU OF LAND MANAGEMENT
FARMINGTON FIELD OFFICE
DEC 3 2008

1a. Type of Work DRILL	5. Lease Number USA SF-081155 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 <i>NMNM 118372A</i> Allison Unit	
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700	8. Farm or Lease Name 9. Well Number #51B	
4. Location of Well Unit F (SENW), 2430' FNL & 1720' FWL Surf: Latitude 36.96640 N Longitude 107.46714 W	10. Field, Pool, Wildcat Blanco Mesaverde 11. Sec., Twn, Rge, Mer. (NMPM) F Sec. 21, T32N, R6W API # 30-045- <i>34866</i>	
14. Distance in Miles from Nearest Town 22.8 mile/Ignacio	12. County San Juan	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 1720'	17. Acres Assigned to Well MV 320 (W/2)	
16. Acres in Lease 1872.990	18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease 225' from Allison Unit 117S	
19. Proposed Depth 6120' <small>This action is subject to technical and procedural review pursuant to 43 CFR 3165.3 and appeal pursuant to 43 CFR 3165.4</small>	20. Rotary or Cable Tools Rotary	
21. Elevations (DF, FT, GR, Etc.) 6409' GL	22. Approx. Date Work will Start	
23. Proposed Casing and Cementing Program See Operations Plan attached	DRILLING OPERATIONS AUTHORIZED ARE SUBJECT TO COMPLIANCE WITH ATTACHED "GENERAL REQUIREMENTS".	
24. Authorized by: <i>Rhonda Rogers</i> Rhonda Rogers (Regulatory Technician)	<i>12-2-08</i> Date	

PERMIT NO.

APPROVAL DATE

APPROVED BY *DJ Montez*

TITLE *AFM*

DATE *1/6/09*

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

NOTIFY AZTEC OGD 24 HRS
PRIOR TO CASING & CEMENT

NMOCD

JAN 14 2009

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

DISTRICT II
1301 W. Grand Ave., Artesia, N.M. 88210

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

DISTRICT IV
1220 South 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 - 4 Copies
Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-045-348106	² Pool Code 72319	³ Pool Name BLANCO MESAVERDE
⁴ Property Code 6784	⁵ Property Name ALLISON UNIT	⁶ Well Number 51B
⁷ GRID No. 14538	⁸ Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY LP	⁹ Elevation 6409'

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
F	21	32-N	6-W		2430	NORTH	1720	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
F									
¹² Dedicated Acres 320 ACRES - W/2			¹³ Joint or Infill		¹⁴ Consolidation Code		¹⁵ Order No.		

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

<p>16</p> <p>FD. 3 1/4" BC. S 89°33'19" W 1961 BLM 2677.33' (M)</p> <p>N 01°55'25" E 2729.60' (M)</p> <p>2430'</p> <p>1720'</p> <p>21</p> <p>USA SF-081155</p>	<p>FD. 3 1/4" BC. 1961 BLM</p> <p>LAT: 36.98640° N (NAD 83) LONG: 107.48714° W (NAD 83) LAT: 36°57.9836' N (NAD 27) LONG: 107°27.9920' W (NAD 27)</p>	<p>17 OPERATOR CERTIFICATION</p> <p>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.</p> <p><i>Crystal Walker</i> 5/9/08 Signature Date Crystal Walker 5-9-08 Printed Name</p> <p>18 SURVEYOR CERTIFICATION</p> <p>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 knowledge and belief.</p> <p>APR 20 2008 Date of Survey Signature and Seal of Professional Surveyor 8894 05-05-08 PROFESSIONAL LAND SURVEYOR 8894 Certificate Number</p>
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COMPANY
Charge Code
WELL NAME
DUAL WELL
TRIPLE WELL

BURLINGTON RESOURCES		
WAN.RFE.PD07.IQ		
ALLISON # 51 B	DATE	5/9/2008
WELL NAME	Allison 117 S	
WELL NAME		

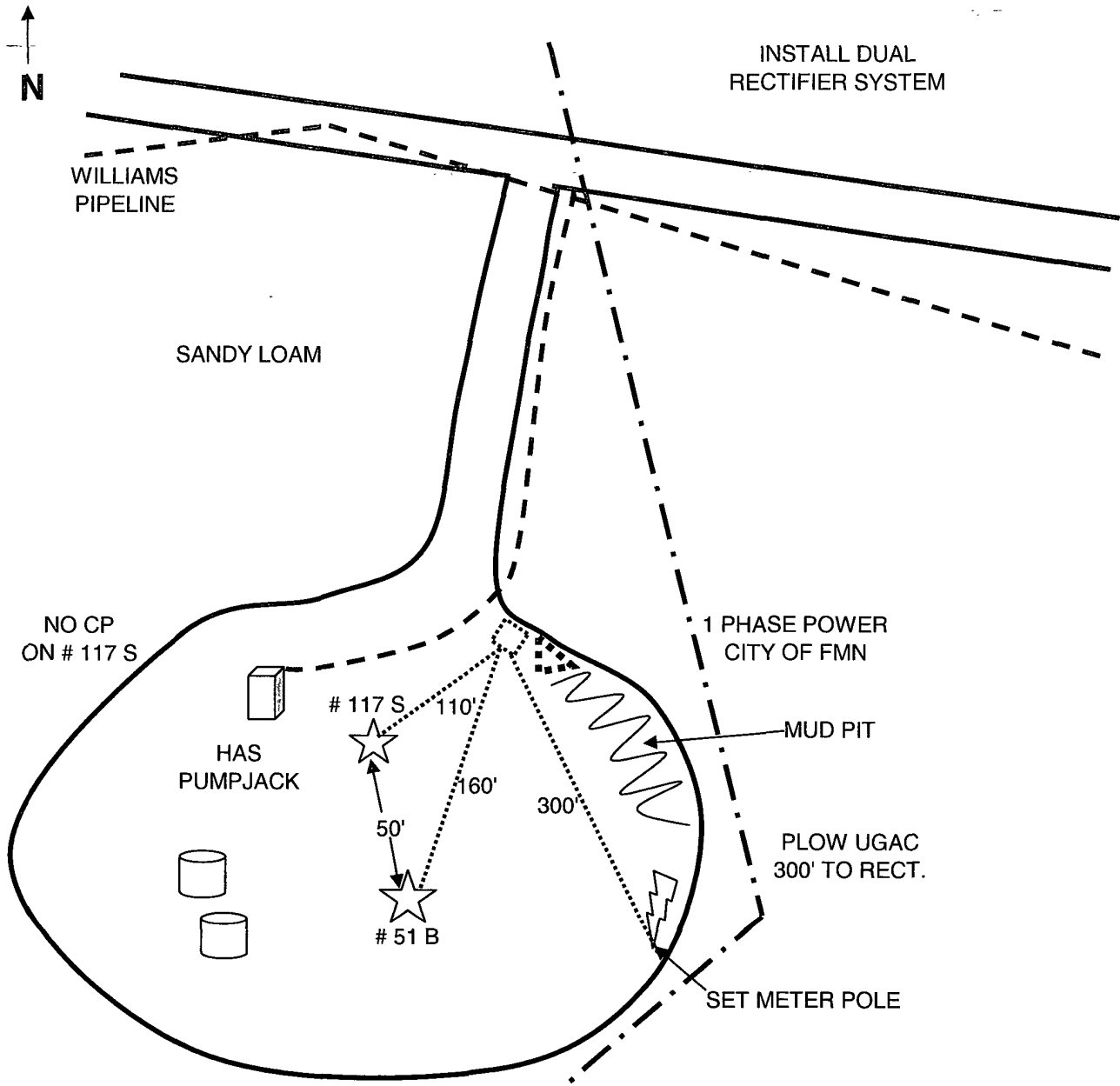
	SEC	TNSHP	RANGE	LATITUDE	LONGITUDE
COORDINATES	F 21	32 N	6 W	36 57.9836 N	107 27.9920 W

COUNTY	SAN JUAN
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	SIZE	NEEDED	EXISTING	1 PHASE	3 PHASE
RECTIFIER	40/16	X			
SOLAR					
GROUND BED		X			
240 V METER POLE		X			
480 V METER POLE					
D C CABLES	# 8	300'			
A C CABLES	# 8	350'			
PRIMARY POWER				CITY OF FMN	
DISTANCE TO POWER				ON LOCATION	
UNDERGROUND					
PUMPJACK					
WATER PUMP					

COMMENTS	install meter - plow ugac to rectifier(300') - install dual rectifier system
	no CP present on the 117 S

WELL NAME
ALLISON # 51 B



TANK	SEP OR DEHY	SOLAR	METER POLE	PUMP JACK	GND/BED EXISTING CABLE
RECT	PIT	WELL	proposed solar/gb	PROPOSED CABLE	POWER LINE
			FOREIGN PL		CONOCO PL

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

ALLISON UNIT 51B

DEVELOPMENT

Lease:		AFE #: WAN.CDR.7398			AFE \$: 532,788.57	
Field Name: hBR_SAN JUAN		Rig: Aztec Rig 777		State: NM	County: SAN JUAN	API #:
Geologist:		Phone:		Geophysicist:		Phone:
Geoscientist:		Phone:		Prod. Engineer:		Phone:
Res. Engineer: McKee, Cory J		Phone: +1 505-326-9826		Proj. Field Lead:		Phone:
Primary Objective (Zones):						
Zone	Zone Name					
RON	BLANCO MESAVERDE (PRORATED GAS)					
Location: Surface		Datum Code: NAD 27			Straight Hole	
Latitude: 36.966393	Longitude: -107.466533	X:	Y:	Section: 21	Range: 006W	
Footage X: 1720 FWL	Footage Y: 2430 FNL	Elevation: 6409	(FT)	Township: 032N		
Tolerance:						
Location Type: Restricted		Start Date (Est.): 1/1/2009		Completion Date:		Date In Operation:
Formation Data: Assume KB = 6424 Units = FT						
Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks
Surface Casing	200	6224	<input type="checkbox"/>			12-1/4 hole. 200' 9 5/8" 32.3 ppf, H-40, STC casing. Cement with 159 cuft. Circulate cement to surface.
OJO ALAMO	2005	4419	<input type="checkbox"/>			
KIRTLAND	2065	4359	<input type="checkbox"/>			
FRUITLAND	3005	3419	<input type="checkbox"/>			Possible Gas
PICTURED CLIFFS	3120	3304	<input type="checkbox"/>			
LEWIS	3265	3159	<input type="checkbox"/>			
Intermediate Casing	3365	3059	<input type="checkbox"/>			8 3/4" Hole. 7", 20 ppf, J-55, STC Casing. Cement with 758 cuft. Circulate cement to surface.
HUERFANITO BENTONITE	4184	2240	<input type="checkbox"/>			
CHACRA	4631	1793	<input type="checkbox"/>			
MASSIVE CLIFF HOUSE	5363	1061	<input type="checkbox"/>	700		Gas; Est top perf is 5363' (1061')
MENELEE	5438	986	<input type="checkbox"/>			
POINT LOOKOUT	5620	804	<input type="checkbox"/>			Est. Btm perf is 100' off bottom at 6120' (404')
Total Depth	6120	304	<input type="checkbox"/>			6-1/4" hole, 4-1/2" 11.6 ppf, L-80, LTC casing. Cement w/ 379 cuft. Circulate cement a minimum of 100' inside the previous casing string.
Reference Wells:						
Reference Type	Well Name		Comments			
Production	EPNG A 1		SE21-32N-6W			
Production	Allison 32		NW21-32N-6W			

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

ALLISON UNIT 51B

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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Comments: Location/Tops/Logging - MVNM032N006W21NW2 Avoid E, prefer C,F, topo will be a factor. This well offsets the 117S (cavity completed coal) by only 225' - suggest we shut in the 117S prior to drilling the coal on this well.

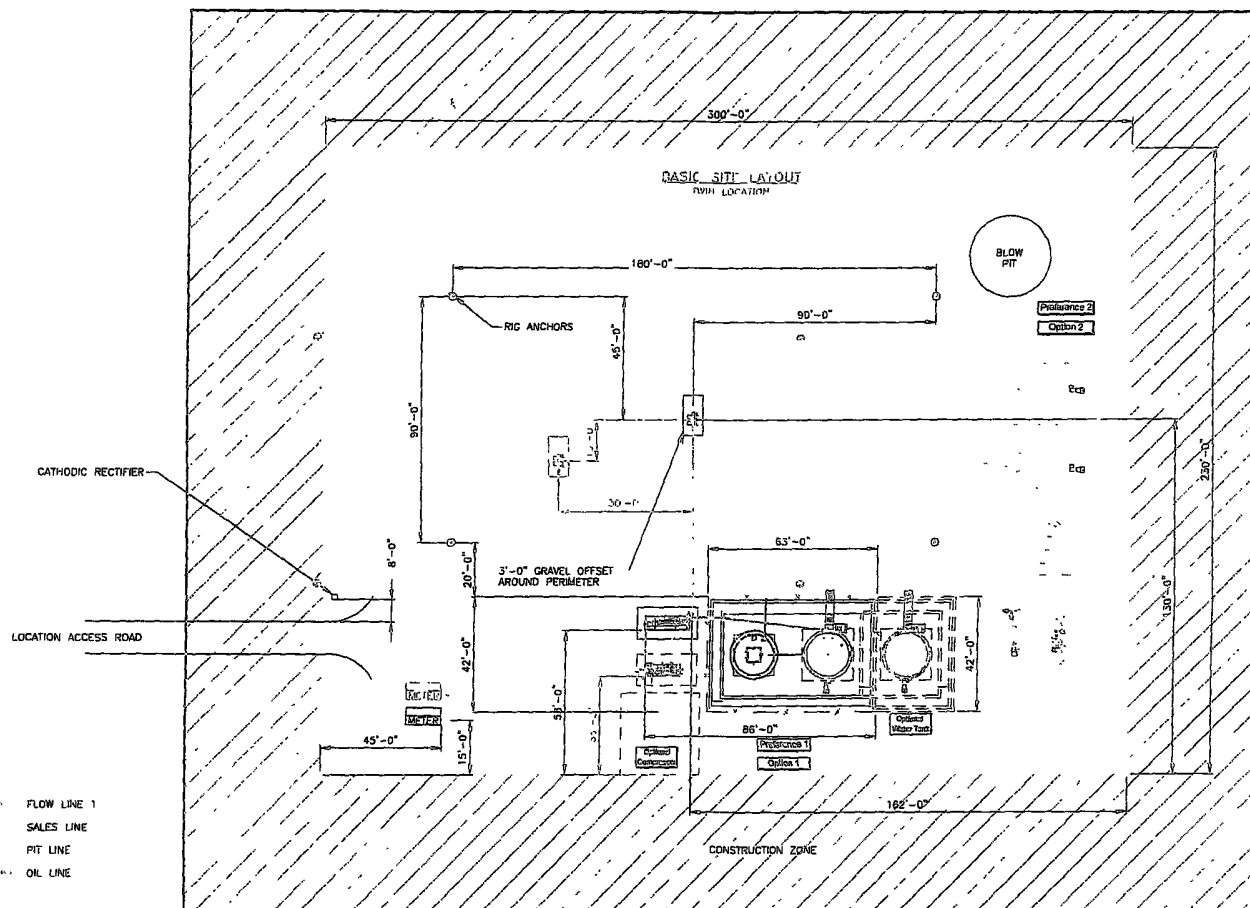
Zones - MVNM032N006W21NW2

General/Work Description - CX2 Pilot

Include Lewis- Contingent on Test Wells (See MV Geo) 7/17/08 EML


2/5/07 DK EVALUATION by W. Prabowo We recommend to cancel the DK because there is not enough sand development in this section and the production data support the analysis (2 existing wells have 40mmscf and 28mmscf EUR respectively). This well offsets the 117S (cavity completed coal) by only 225' - suggest we shut in the 117S prior to drilling the coal on this well.

Lewis should only be included in this well contingent on a successful Lewis test in the EPNG B #1M test well 7/14/08 bcd



SEE SHEET 5 & 6 FOR PIPING DETAILS
ALL UNDERGROUND PIPE IS TO BE BURIED A MIN. OF 3'-0" TOP

SHEET 1 OF 5

										ENGINEERING REVIEW			REFERENCE DRAWINGS				CONOCO PHILLIPS HIGH PRESSURE 3 PHASE FACILITY DIAGRAM - SITE LAYOUT			
										DESIGNED	REVIEWED	DATE	NO.	DESCRIPTION			CLIENT TBL		CLIENT APPR.	APPR. DATE
										PROCESS						DWNCH BY		SQAID ISSUE	CREATION DATE 6/20/07	
										MECHANICAL										
										PIPING										
										ELECTRICAL										
										I & C										
										CIVIL/STRUCTURAL										
										SAN JUAN BUSINESS UNIT					HP3PHASE-REV1		SHEET NO. 1 of 3			
DESCRIPTION	DATE	BY	CHK'D	ENG	DES	PAU														

**Directions from the Ignacio, Colorado, post office to the
Burlington Resources Oil & Gas Company LP**

Allison Unit #51B well location

**2430' FNL 1720' FWL Section 21, T32N R6W, NMPM, in San Juan County, New
Mexico**

From the Ignacio, Colorado, post office (Lat. 37.10833° N, Long. 107.63306° W):

Travel north on Hwy 172 0.4 mi to Hwy 151 (Lat. 37.11500° N, Long. 107.63306° W).

Turn right on Hwy 151 and travel easterly, then southerly, then southeasterly 11.9 mi to
CR 330 (Lat. 37.02806° N, Long. 107.49667° W).

Turn right on CR 330 and travel south 2.0 mi to San Juan CR 4020 at the Colorado/ New
Mexico state line (Lat. 37.00000° N, Long. 107.49667° W).

Turn right on CR 4020 and travel west, then southerly 3.9 mi (Lat. 36.95722° N, Long.
107.51500° W).

Turn left and travel southeasterly 1.8 mi (Lat. 36.94472° N, Long. 107.49139° W).

Turn left and travel northeasterly <0.1 mi (Lat. 36.94528° N, Long. 107.49056° W).

Turn left and travel northwesterly, then northeasterly 1.5 mi to locked gate (Lat.
36.96583° N, Long. 107.48833° W).

Immediately past the gate, turn right and travel easterly 1.2 mi (Lat. 36.96750° N, Long.
107.46833° W).

Turn right and travel southerly, to the new location (Lat. 36.96640° N, Long. 107.46714°
W) which is co-located with the existing Allison Unit #117S well location.