

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK JUN 11 2009

1a. Type of Work DRILL	5. Lease Number Bureau of Land Management SF-078215-Birmingham Field Office 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	
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700	8. Farm or Lease Name Larcher 9. Well Number 1M	
4. Location of Well Surf: Unit E(SWNW), 1780' FNL & 660' FWL Surf: Latitude: 36.915310° N (NAD83) <i>Lot 6/E</i> Longitude: 107.930656° W	10. Field, Pool, Wildcat Basin DK/Blanco MV 11. Sec., Twn, Rge, Mer. (NMPM) Sec. 7, T31N, R10W API # 30-045-34993	
14. Distance in Miles from Nearest Town 8 miles/Aztec	12. County San Juan	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 660'	17. Acres Assigned to Well MV/DK 316.9 (W/2)	
16. Acres in Lease 434.370		
18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease 1300' from Larcher 310		
19. Proposed Depth 7349' This action is subject to technical and procedural review pursuant to 43 CFR 3165.3 and appeal pursuant to 43 CFR 3165.4	20. Rotary or Cable Tools Rotary	
21. Elevations (DF, FT, GR, Etc.) 5927' GL	22. Approx. Date Work will Start DRILLING OPERATIONS AUTHORIZED ARE SUBJECT TO COMPLIANCE WITH ATTACHED "GENERAL REQUIREMENTS".	
23. Proposed Casing and Cementing Program See Operations Plan attached		
24. Authorized by: <i>Crystal Tafoya</i> Crystal Tafoya (Regulatory Technician)	Date <i>6/11/2009</i>	

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

DATE

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

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

JUL 09 2009

NMOC

NOTIFY AZTEC OCD 24 HRS.
PRIOR TO CASING & CEMENT

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

DISTRICT II
1301 West Grand Avenue, Artesia, N.M. 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, N.M. 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
JUN State/Lease - 4 Copies
Fee Lease - 3 Copies

Bureau of Land Management
Farmingdale, AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-045-34993	² Pool Code 71599/72319	³ Pool Name BASIN DAKOTA/BLANCO MESAVERDE
⁴ Property Code 7248	⁵ Property Name LARCHER	⁶ Well Number 1M
⁷ OGRID No. 14538	⁸ Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY LP	⁹ Elevation 5927'

¹⁰ Surface Location

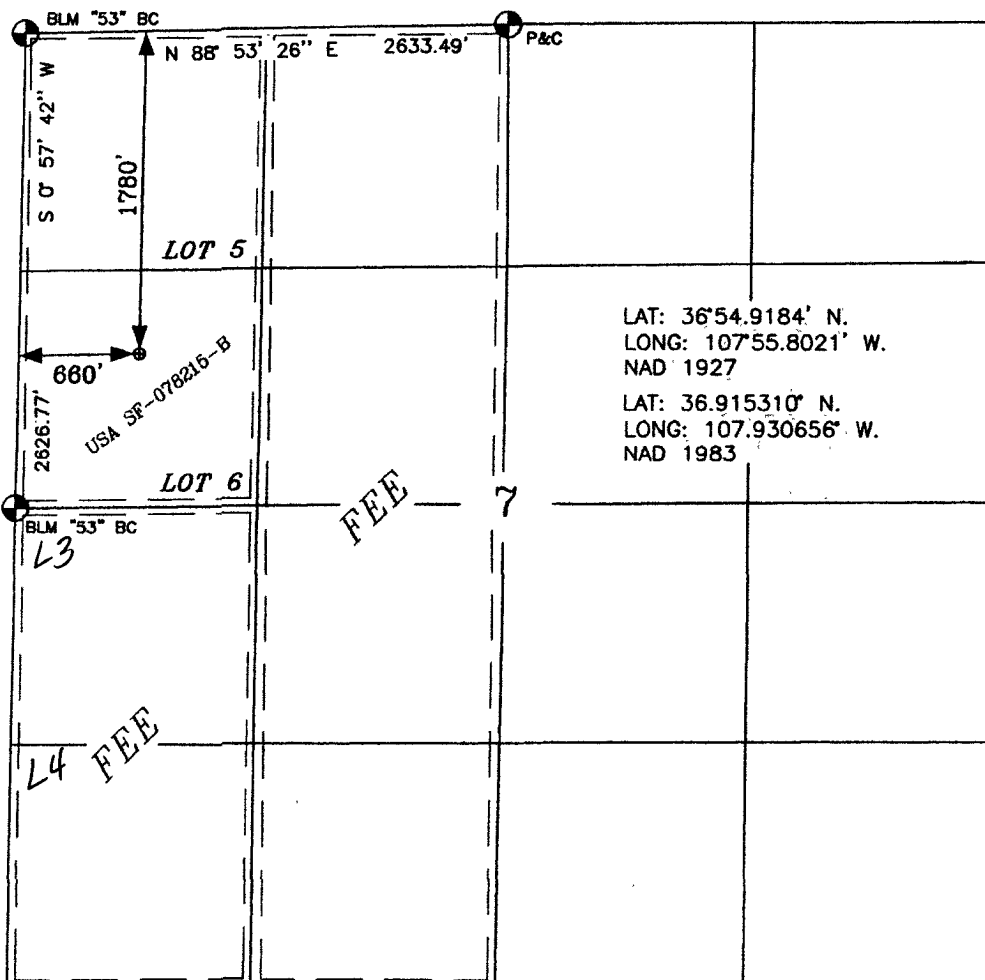
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
E	7	31-N	10-W		1780'	NORTH	660'	WEST	SAN JUAN

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
E									
¹² Dedicated Acres DK 316.9 ACRES W/2 MV 316.9 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

16



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 a working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Crystal Tafoya 7/21/08
Signature
Crystal Tafoya 7-21-08
Printed Name

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.

5-165508
Date of Survey
Signature and Seal of Professional Surveyor
GLEN W. RUSSELL
15703
Certificate Number 15703

COMPANY
Charge Code
WELL NAME
DUAL WELL
TRIPLE WELL

BURLINGTON RESOURCES		
WAN.RFE.PD08.33		
LARCHER # 1 M	DATE	7/21/2008
WELL NAME		
WELL NAME		

COORDINATES

SEC	TNSHP	RANGE	LATITUDE	LONGITUDE
E 7	31 N	10 W	36.915310 N	107.930656 W

COUNTY

SAN JUAN

RECTIFIER
SOLAR
GROUND BED
240 V METER POLE
480 V METER POLE
D C CABLES
A C CABLES
PRIMARY POWER
DISTANCE TO POWER
UNDERGROUND
PUMPJACK
WATER PUMP

SIZE	NEEDED	EXISTING	1 PHASE	3 PHASE
30/12	X			
	X			
# 8	200'			
# 8	1200'			
			CITY OF FMN	
			.3 MILES	

COMMENTS

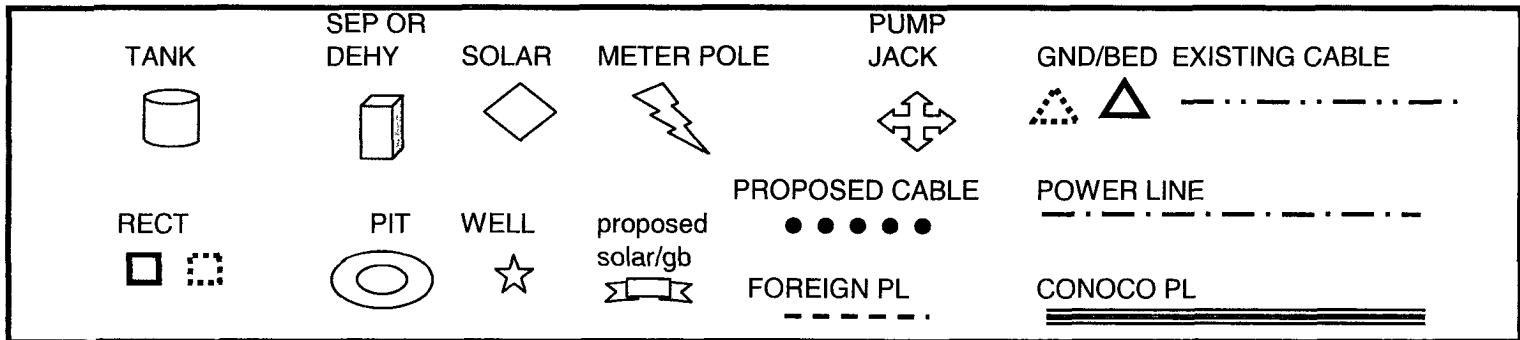
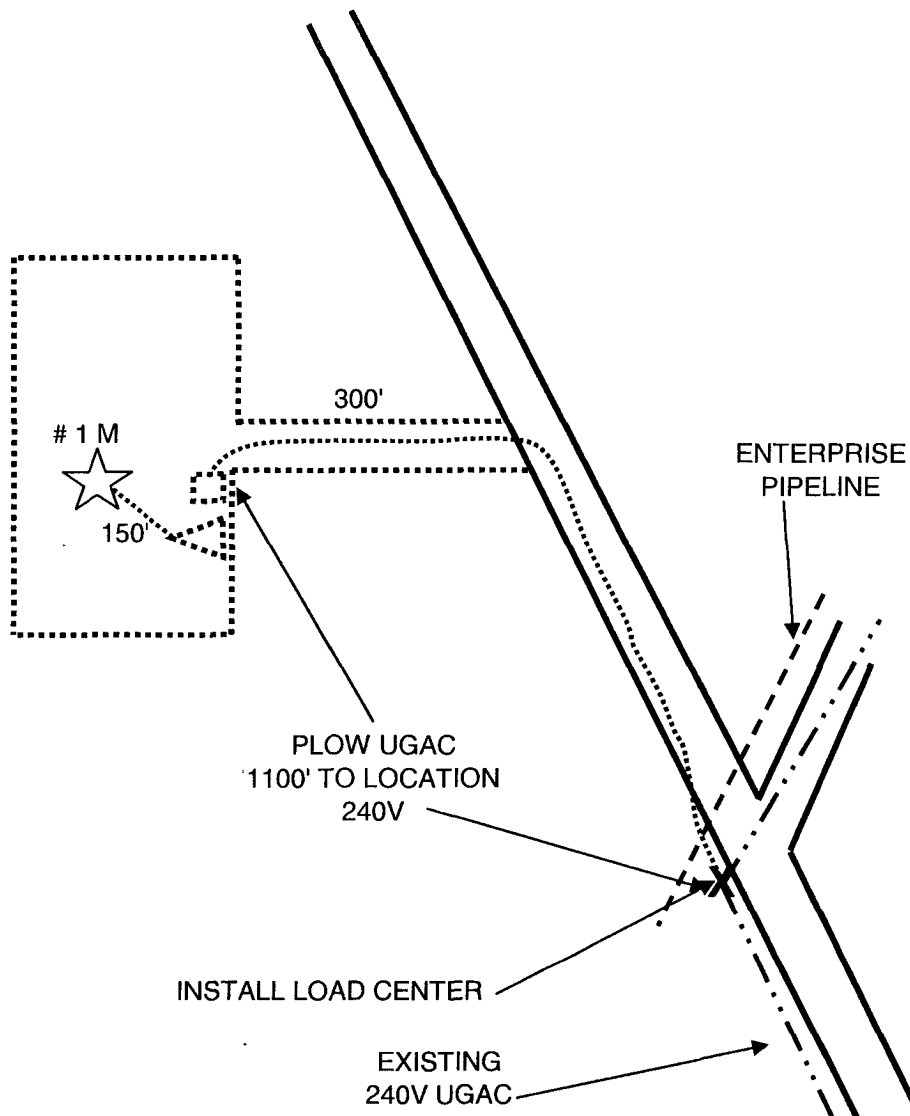
.3 MILES TO 1 PHASE CITY OF FMN PRIMARY
SANDY SOIL
PLOW UGAC TO LOCATION 1100'
INSTALL LOAD CENTER

WELL NAME	LARCHER # 1 M
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.3 MILES TO 1 PHASE CITY OF FMN PRIMARY

SANDY SOIL



PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

LARCHER 1M

DEVELOPMENT

Lease:		AFE #: WAN.CDR.8031			AFE \$: 1,381,973.78	
Field Name: hBR_SAN JUAN		Rig: Aztec Rig 711		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					
FRR	BASIN DAKOTA (PRORATED GAS)					
RON	BLANCO MESAVERDE (PRORATED GAS)					
Location:						
Latitude: 36.915307		Longitude: -107.930034		X:	Y:	Section: 07
Footage X: 660 FWL		Footage Y: 1780 FNL		Elevation: 5927 (FT)	Township: 031N	
Tolerance:						
Location Type: Year Round		Start Date (Est.): 1/1/2009		Completion Date:		Date In Operation:
Formation Data: Assume KB = 5939 Units = FT						
Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks
Surface Casing	200	5739	☐			12-1/4 hole. 200' 9 5/8" 32.3 ppf, H-40, STC casing. Cement with 121 cuft. Circulate cement to surface.
OJO ALAMO	963	4976	☐			
KIRTLAND	1010	4929	☐			
FRUITLAND	2039	3900	☐			Possible Gas
PICTURED CLIFFS	2670	3269	☐			
LEWIS	2817	3122	☐			
Intermediate Casing	2917	3022	☐			8 3/4" Hole. 7", 20 ppf, J-55, STC Casing. Cement with 657 cuft. Circulate cement to surface.
HUERFANITO BENTONITE	3374	2565	☐			
CHACRA	3774	2165	☐			
MASSIVE CLIFF HOUSE	4453	1486	☐	440		Gas
MENEFEE	4466	1473	☐			
POINT LOOKOUT	4920	1019	☐			
MANCOS	5225	714	☐			
UPPER GALLUP	6212	-273	☐			
GREENHORN	6928	-989	☐			
GRANEROS	6985	-1046	☐			
TWO WELLS	7045	-1106	☐	2130		Gas
PAGUATE	7137	-1198	☐			
CUBERO	7173	-1234	☐			
ENCINAL	7216	-1277	☐			
PRODUCTION CASING	7252	-1313	☐			6-1/4" hole, 4-1/2" 10.5/11.6 ppf, J-55, STC/LTC casing. Cement with 590 cuft. Circulate cement a minimum 100 ft into the previous casing string.
BURRO CANYON	7282	-1343	☐			
MORRISON	7349	-1410	☐			
Total Depth	7349	-1410	☐			
Reference Wells:						

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

LARCHER 1M

DEVELOPMENT

Reference Type	Well Name	Comments
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Logging Program:

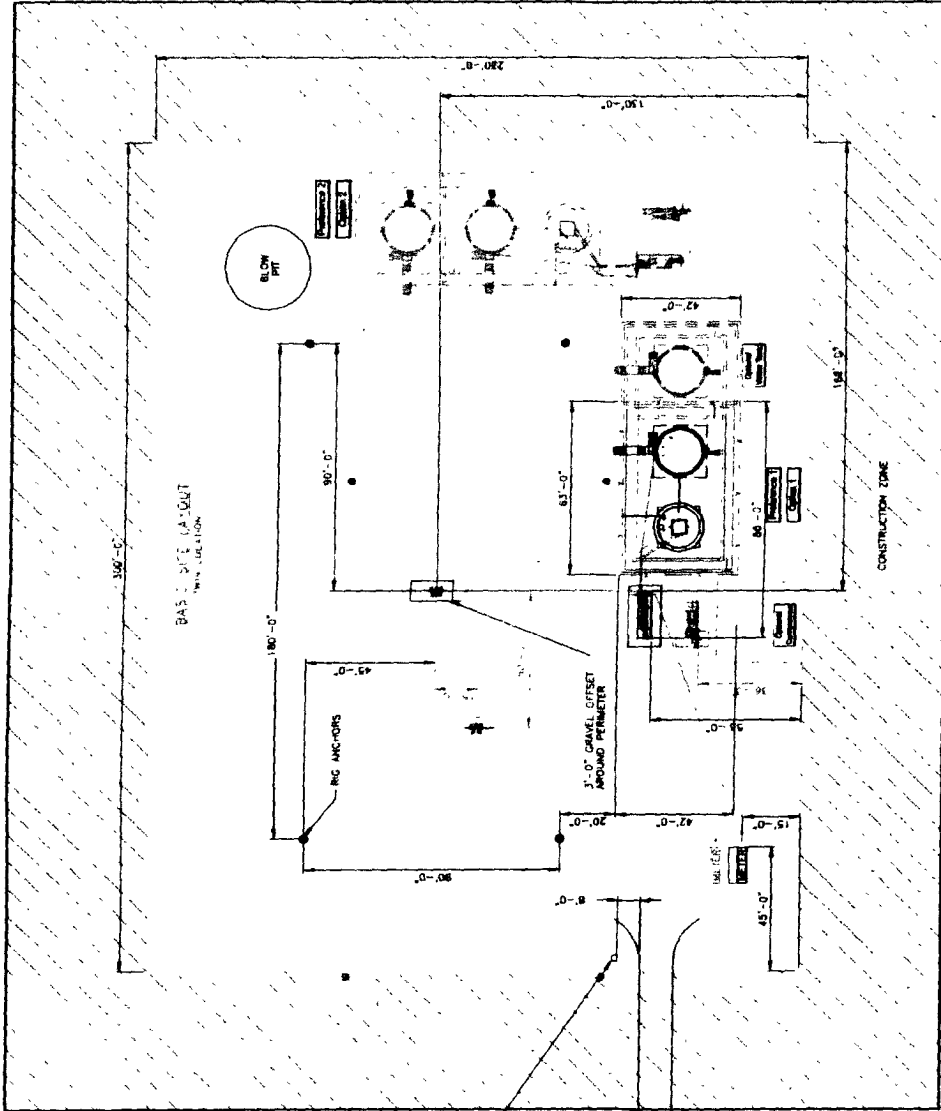
Intermediate Logs: ☐ Log only if show ☐ GR/ILD ☐ Triple Combo

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

Est bottom perf ~50' above the est TD. Mud log from ~100' above the Greenhorn to TD. Mud loggers will call TD.

Additional Information:

Log Type	Stage	From (Ft)	To (Ft)	Tool Type/Name	Remarks
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SEE SHEET 1 & 4 FOR PUMP DETAILS
UNDERGROUND PIPE IS TO BE BURIED A MIN. OF 3'-0\"/>

SHEET 1 OF 5

CONOCOPhillips										CONOCOPhillips HIGH PRESSURE 3 PHASE FACILITY DIAGRAM- SITE LAYOUT									
SAN JUAN BUSINESS UNIT										HP3PHASE-REV1									
ENGINEERING REVIEW										REFERENCE DRAWINGS									
DESIGN										DATE									
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Directions from the Intersection of
Hwy 516 and CR 2900, Ruins Road,
in Aztec, NM
to
Burlington Resources Oil & Gas Company LP
LARCHER 1M
1780' FNL & 660' FWL,
Section 7, T31N, R10W, N.M.P.M., San Juan County,
New Mexico
Latitude: 36° 54' 55.11" N
Longitude: 107° 55' 50.36" W
Nad 83

From the Intersection of Hwy 517 and CR 2900
Take CR 2900, Ruins Road, northeasterly for 7.9 miles,
turn left (northwesterly) for 0.4 miles,
to beginning of new access on right side of road,
proceed (northerly) 97.86' to the newly staked location.