

RECEIVED

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

DEC 24 2008

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK ON FIELD OILS

RVD JWH 12:09

OIL OPS. DIV.
DES. 3

1a. Type of Work DRILL	5. Lease Number USA - NM - 82815 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 Lewis Park 9. Well Number #1M
4. Location of Well Surf: Unit G (SWNE), 2445' FNL & 1760' FEL Bottom: Unit I (NESE), 2490' FSL & 710' FEL Surf: Latitude 36.897439 N Longitude 107.624463 W Bottom: Latitude 36.896775 N. Longitude 107.620846 N.	10. Field, Pool, Wildcat Basin Dakota/Blanco Mesaverde 11. Sec., Twn, Rge, Mer. (NMPM) G Sec. 13, T31N, R108W 8 API # 30-045-34885
14. Distance in Miles from Nearest Town 24.1 miles/Blanco	12. County San Juan
15. Distance from Proposed Location to Nearest Property or Lease Line 1760'	13. State NM
16. Acres in Lease 640.00	17. Acres Assigned to Well 320.00 Acres (E 1/2) 320.00 Acres (E 1/4)
18. Distance from Proposed Location to Nearest Well, Drig, Compl, or Applied for on this Lease 73' from Lewis Park 100	
19. Proposed Depth 8392'	20. Rotary or Cable Tools Rotary
21. Elevations (DF, FT, GR, Etc.) 6834' GR	22. Approx. Date Work will Start
23. Proposed Casing and Cementing Program See Operations Plan attached	ROYAL OR ACCEPTANCE OF THIS DOES NOT RELIEVE THE LESSEE AND FROM OBTAINING ANY OTHER HORIZATION REQUIRED FOR OPERATIONS IN FEDERAL AND INDIAN LANDS
24. Authorized by: <u>Jamie Goodwin</u> Jamie Goodwin (Regulatory Technician)	Date <u>1/9/09</u>

A COMPLETE C-144 MUST BE SUBMITTED TO AND
APPROVED BY THE NMOC FOR: A PIT, CLOSED
LOOP SYSTEM, BELOW GRADE TANK, OR
PROPOSED ALTERNATIVE METHOD, PURSUANT TO
NMOC PART 19.15.17, PRIOR TO THE USE OR
CONSTRUCTION OF THE ABOVE APPLICATIONS.

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

DRILLING OPERATIONS AUTHORIZED ARE
SUBJECT TO COMPLIANCE WITH ATTACHED
"GENERAL REQUIREMENTS".

NMOC

JAN 14 2009

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

Hold C104
for Directional Survey
and "As Drilled" plat

NOTIFY AZTEC OCD 24 HRS.
PRIOR TO CASING & CEMENT

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

State of New Mexico
Energy, Minerals & Natural Resources Department

Form C-102
Revised October 12, 2005

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

OIL CONSERVATION DIVISION

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

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

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

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

DEC 29 2008

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-045-34885	² Pool Code 71599/72319	³ Pool Name Farmington BASIN DAKOTA/BLANCO MESAVERDE
⁴ Property Code 7260	⁵ Property Name LEWIS PARK	⁶ Well Number 1M
⁷ GRID No. 14538	⁸ Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY LP	⁹ Elevation 6834'

¹⁰ Surface Location

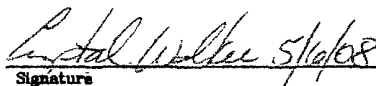
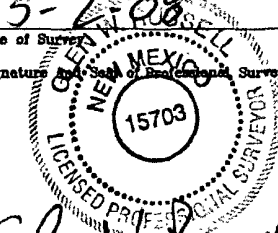
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
G	13	31-N	8-W		2445'	NORTH	1760'	EAST	SAN JUAN

¹¹ Bottom Hole Location If Different From Surface

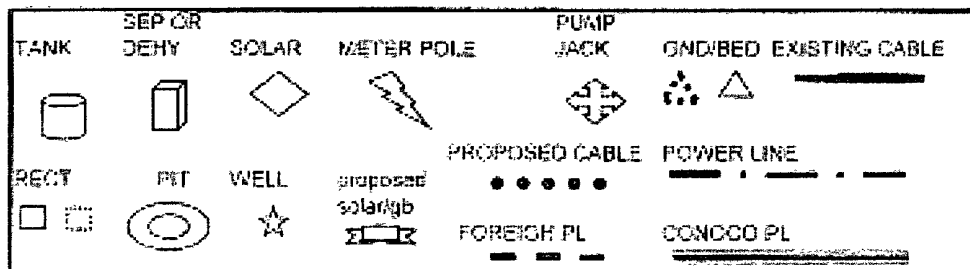
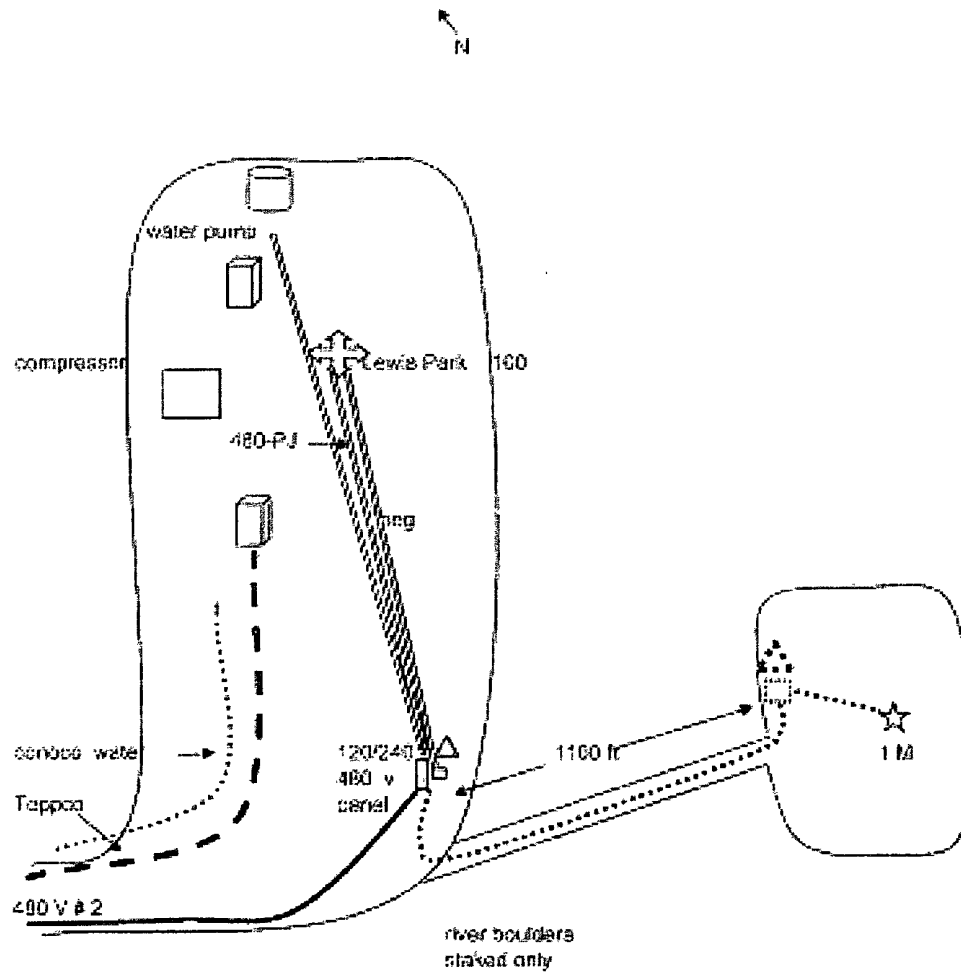
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
I	13	31-N	8-W		2490'	SOUTH	710'	EAST	SAN JUAN

¹² Dedicated Acres DK 320.0 ACRES E 1/2 MV 320.0 ACRES E 1/2	¹³ Joint or Infill	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

¹⁶ SURFACE LAT: 36°53.8461' N. LONG: 107°37.4312' W. NAD 1927 LAT: 36.897439' N. LONG: 107.624463' W. NAD 1983	BLM "54" BC 2572.79'	GLO "13" BC N 89° 14' 51" W S 1° 51' 59" W 2600.07'	USA NM-82815 2445'	SURFACE 1085.4' S 77° 11' 43" E 1760'	GLO "39" BC 710'	2561.48'	N 0° 39' 42" W 2621.06'	N 89° 25' 50" W	W.C.	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.  Signature Crystal Walker 5-6-08 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. 5-2-08 Date of Survey  Signature of Licensed Professional Surveyor Certificate Number 15703
BOTTOM HOLE LAT: 36°53.8062' N. LONG: 107°37.2141' W. NAD 1927 LAT: 36.896775' N. LONG: 107.620846' W. NAD 1983				BOTTOM HOLE 2490'						

Lewis Park 1 M



COMPANY

Burlington Resources

CHARGE CODE

WAN.RFE.PD07.JC

WELL NAME

Lewis Park # 1 M

DATE

12/14/2007

DUAL WELL

WELL NAME

TRIPLE WELL

WELL NAME

COORDINATES

SEC

TNSHP

RNGE

LATITUDE

LONGITUDE

13

31 N

8 W

36.537861 N

107.372342 W

COUNTY

San Juan

RECTIFIERSOLARGROUND BED240 V METER POLE480 V METER POLED.C. CABLESA.C. CABLESPRIMARY POWERDISTANCE TO POWERUNDERGROUNDPUMPJACKWATER PUMPCOMPRESSORRTUGAMSTANKS

SIZE

NEEDED

EXISTING

1 PHASE

3 PHASE

3W12

x

x

see comments

200 ft

8 or 6 way

1100 ft

105 A

1100 ft

1100 ft

2000 ft

Burlington primary

COMMENTS

Both 240 and 480 v exist on the Lewis Park 100. 120/240 also exists but a larger

transformer will be needed to carry both wells

#6 tray cable would be recommended but not required just for rectifier.

river boulders are prevalent

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

LEWIS PARK 1M

DEVELOPMENT

Lease:		AFE #: WAN.CDR.7410		AFE \$:	
Field Name: hBR_SAN JUAN		Rig: H&P Rig 282		State: NM	County: SAN JUAN
Geologist:		Phone:		Geophysicist:	
Geoscientist:		Phone:		Prod. Engineer:	
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)
FRR	BASIN DAKOTA (PRORATED GAS)

Location: Surface Hole		Datum Code: NAD 27		Sign-off: 	
Latitude: 36.897434	Longitude: -107.623852	X:	Y:	Section: 13	Range: 008W
Footage X: 1760 FEL	Footage Y: 2445 FNL	Elevation: 6834	(FT)	Township: 031N	
Tolerance:					

Location: Bottom Hole		Datum Code: NAD 27		Sign-off: 	
Latitude: 36.896770	Longitude: -107.620235	X:	Y:	Section: 13	Range: 008W
Footage X: 710 FEL	Footage Y: 2490 FSL	Elevation:	(FT)	Township: 031N	
Tolerance:					

Location Type: Restricted	Start Date (Est.): 1/1/2009	Completion Date:	Date In Operation:
Formation Data: Assume KB = 6849 Units = FT			

Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks
Surface Casing	215	6634	☐			12-1/4 hole. 9-5/8", 32.3 ppf, H-40, STC casing. Cement with 170 cuft. Circulate cement to surface.
OJO ALAMO	2582	4267	☐			
KIRTLAND	2686	4163	☐			
FRUITLAND COAL	3421	3428	☐			
PICTURED CLIFFS	3739	3110	☐			
LEWIS	3974	2875	☐			
Intermediate Casing	4074	2775	☐			8-3/4" Hole. 7", 23 ppf, J-55, LTC casing. Cement with 956 cuft. Circulate cement to surface.
HUERFANITO BENTONITE	4516	2333	☐			
CHACRA	4914	1935	☐			
MASSIVE CLIFF HOUSE	5697	1152	☐	400	Gas	
MENEFEE	5754	1095	☐			
MASSIVE POINT LOOKOUT	6057	792	☐			
MANCOS	6452	397	☐			
UPPER GALLUP	7344	-495	☐			
GREENHORN	8062	-1213	☐			
GRANEROS	8122	-1273	☐			
TWO WELLS	8231	-1382	☐	2475	Gas	
PAGUATE	8249	-1400	☐			
UPPER CUBERO	8259	-1410	☐			
LOWER CUBERO	8287	-1438	☐			
ENCINAL	8340	-1491	☐			

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

LEWIS PARK 1M

DEVELOPMENT

Total Depth	8392	-1543	☐	6-1/4" hole. 4-1/2", 11.6 ppf, J-55/L-80, LTC casing. Cement with 588 cuft. Circulate cement a minimum of 100' inside the previous casing string.
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Reference Wells:		
Reference Type	Well Name	Comments

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

TD Logs:	☐ Triple Combo ☐ Dipmeter ☐ RFT ☐ Sonic ☐ VSP ☐ TDT ☒ Other
Estimated bottom perf ~20' above the est TD.	

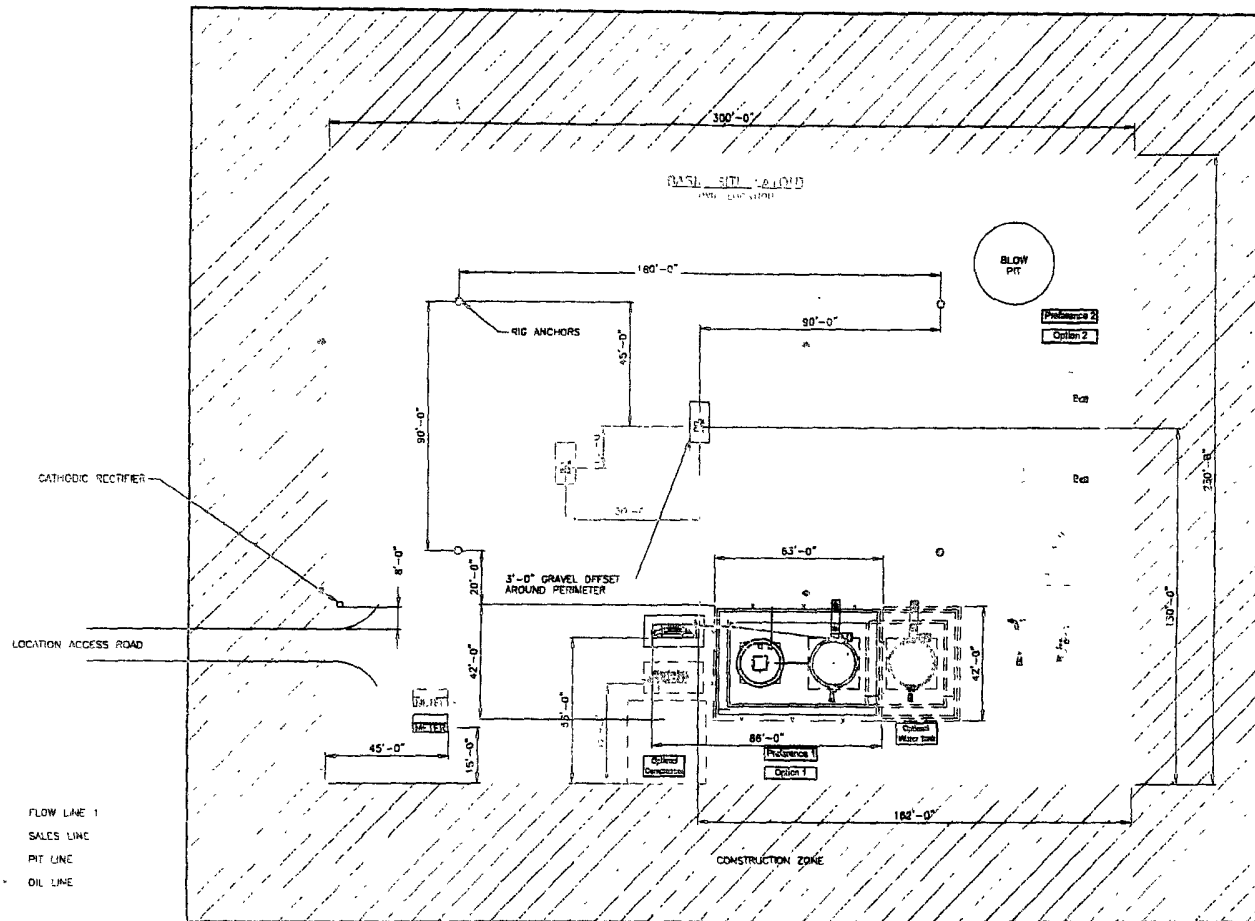
Additional Information:					
Log Type	Stage	From (Ft)	To (Ft)	Tool Type/Name	Remarks

ConocoPhillips or its affiliates

Planning Report

Database:	EDM Central Planning	Local Co-ordinate Reference:	Well Lewis Park 1M
Company:	ConocoPhillips SJB	TVD Reference:	WELL @ 6849 0ft (Original Well Elev)
Project:	San Juan Basin - New Mexico Wells	MD Reference:	WELL @ 6849 0ft (Original Well Elev)
Site:	Other Named Wells	North Reference:	True
Well:	Lewis Park 1M	Survey Calculation Method:	Minimum Curvature
Wellbore:	Principal		
Design:	Planned		

Formations						
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Direction (°)	
2,690.5	2,582.0	Ojo Alamo		0.00		
2,800.6	2,686.0	Kirtland		0.00		
3,578.5	3,421.0	Fruitland		0.00		
3,908.1	3,739.0	Pictured Cliffs		0.00		
4,144.8	3,974.0	Lewis		0.00		
4,686.9	4,516.0	Huerf. Bent.		0.00		
5,084.9	4,914.0	Chacra		0.00		
5,867.9	5,697.0	Mass. Cliffhouse		0.00		
5,924.9	5,754.0	Menefee		0.00		
6,227.9	6,057.0	Massive Pt Lookout		0.00		
6,622.9	6,452.0	Mancos Shale		0.00		
7,514.9	7,344.0	Gallup		0.00		
8,232.9	8,062.0	Greenhorn		0.00		
8,292.9	8,122.0	Graneros		0.00		
8,401.9	8,231.0	Two Wells		0.00		
8,419.9	8,249.0	Paguate		0.00		
8,429.9	8,259.0	Upper Cubero		0.00		
8,457.9	8,287.0	Lower Cubero		0.00		
8,510.9	8,340.0	Encinal		0.00		



SEE SHEET 2 & 3 FOR PIPING DETAILS
ALL CONSTRUCTION SHALL BE COMPLETED WITHIN A MIN. OF 3'-0" TOP

SHEET 1 OF 3

										ENGINEERING REVIEW		REFERENCE DRAWINGS		CONOCO PHILLIPS		CONOCO PHILLIPS			
										PROCESS	REVIEWED	DATE	NO.	DESCRIPTION	HIGH PRESSURE 3 PHASE		FACILITY DIAGRAM- SITE LAYOUT		
										MECHANICAL					CONOCO PHILLIPS				
										PIPE					SAN JUAN BUSINESS UNIT		CLIENT NO.		
										ELECTRICAL							CLIENT APPL.		
										I & C							NTR. DATE		
										ENVIRONMENTAL							SCALE SIZE		
										OTHER							DATE		
										DESCRIPTION	DATE	BY	CHK'D	APP'D	DATE			SHEET NO.	
																		1 OF 9	
																		PHASE-REV1	
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Directions from the Post office
In Blanco, NM to
Burlington Resources Oil & Gas Company LP
LEWIS PARK 1M
2445' FNL & 1760' FEL,
Section 13, T31N, R8W, N.M.P.M., San Juan County,
New Mexico
Latitude: 36° 53' 50.7" N
Longitude: 107° 37' 28.0" W
Nad 83

From the Post Office in Blanco, NM
Take Hwy 64 east for 2.2 miles to Hwy 511
Turn left on Hwy. 511 for 20.5 miles, past Navajo Dam.
Turn right (easterly) for 0.7 miles.
Turn left (northerly) for 0.4 miles.
Turn right (easterly) for 0.3 miles to the top of the hill,
continue (easterly) 300'
to the newly staked well location twinned on existing well pad,
LEWIS PARK 100.