

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

FEB 6 9 2009

1a. Type of Work DRILL	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	5. Lease Number NM-012708 Unit Reporting Number	Bureau of Land Management Farmington Field Office
1b. Type of Well GAS		If Indian, All. or Tribe	
2. Operator BURLINGTON RESOURCES Oil & Gas Company, LP		7. Unit Agreement Name	RCVD APR 2 '09 OIL CONS. DIV. DIST. 3
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700		8. Farm or Lease Name Lively 9. Well Number 25N	
4. Location of Well Surf: Unit N (SESW), 1136' FSL & 1887' FWL BHL: Unit N (SESW), 703' FSL & 1927' FWL Surf: Latitude: 36.77850 N Longitude: 107.70064 W BHL: Latitude: 36.77731 N Longitude: 107.70069 W		10. Field, Pool, Wildcat Basin DK / Blanco MV 11. Sec., Twn, Rge, Mer. (NMPM) Lot 14/N Surf: Sec. 29, T30N, R8W BHL: Sec. 29, T30N, R8W API # 30-045- 34910	
14. Distance in Miles from Nearest Town 22 mile/Aztec		12. County San Juan	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 1136'			
16. Acres in Lease 904.310		17. Acres Assigned to Well DK/MV 281.24 (W/2)	
18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease 57' from Howell E 301			
19. Proposed Depth 7174'		20. Rotary or Cable Tools Rotary	
21. Elevations (DF, FT, GR, Etc.) 5939' GL		22. Approx. Date Work will Start	
23. Proposed Casing and Cementing Program See Operations Plan attached			
24. Authorized by: <u>James Gardenhire</u> James Gardenhire (Regulatory Technician)		<u>2-9-09</u> Date	

PERMIT NO.

APPROVED BY

APPROVAL DATE

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

Hold C104

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

for Directional Survey
and "As Drilled" plat

NMOC

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

APR 07 2009

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 W. 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

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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-045-34910		Pool Code 71599 / 72319		Pool Name BASIN DAKOTA/BLANCO MESAVERDE	
Property Code 18182		Property Name LIVELY			Well Number 25 N
GRID No. 14538		Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY LP			Elevation 5939'

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
N	29	30N	8W	14	1136'	SOUTH	1887'	WEST	SAN JUAN

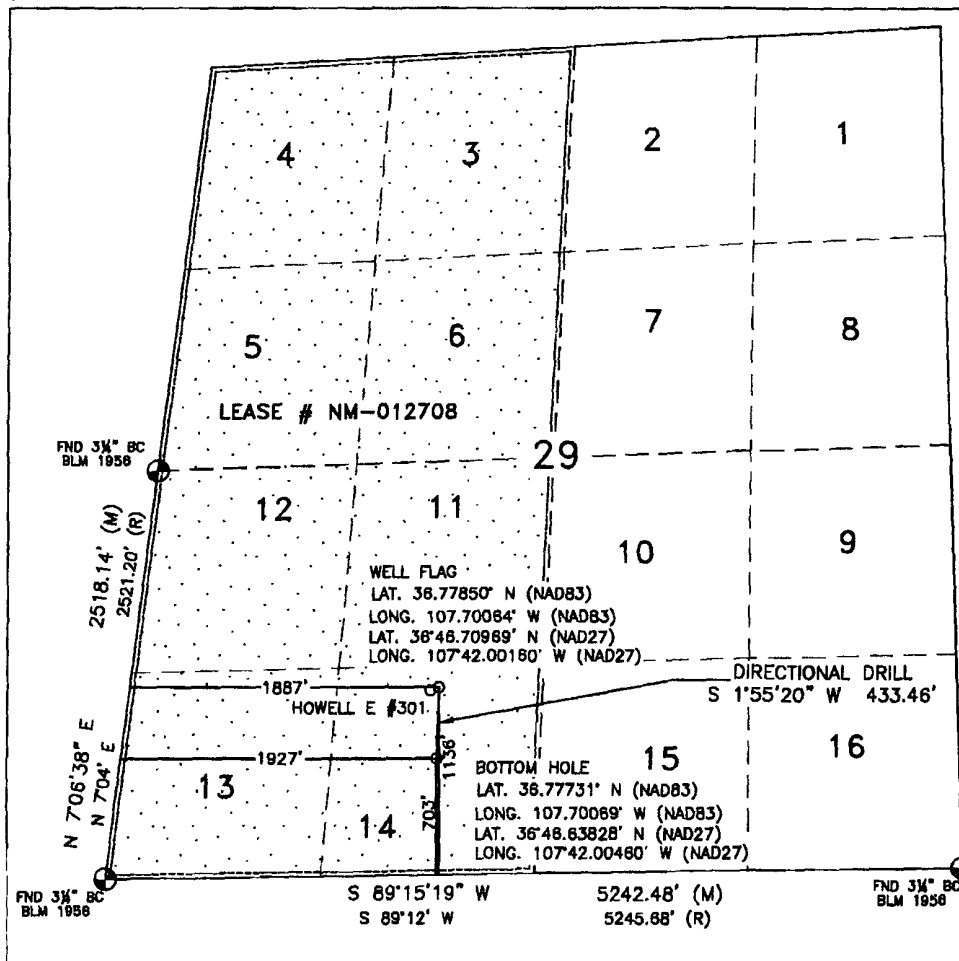
¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
N	29	30N	8W	14	703'	SOUTH	1927'	WEST	SAN JUAN

Dedicated Acres 281.24 Acres - (W/2)		Joint or Infill		Consolidation Code		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

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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 or a compulsory pooling order heretofore entered by the division.

James Gardenhire 10/03/08
Signature Date

James Gardenhire
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.

OCTOBER 4, 2007

Date of Survey

Signature and Seal of Professional Surveyor:

David R. Russell



DAVID RUSSELL

Certificate Number 10201

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

LIVELY 25N

DEVELOPMENT →

Lease:		AFE #: WAN.CDR.7290				AFE \$:	
Field Name: hBR_SAN JUAN		Rig: H&P Rig 282		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)						
FRR	BASIN DAKOTA (PRORATED GAS)						
Location: Surface Datum Code: NAD 27							
Latitude: 36.778480	Longitude: -107.699403	X:	Y:	Section: 29		Range: 008W	
Footage X: 1885 FWL	Footage Y: 113 FSL	Elevation: 5939	(FT)	Township: 030N			
Tolerance:							
Location: Bottom Hole Datum Code: NAD 27							
Latitude: 36.777305	Longitude: -107.700077	X:	Y:	Section: 29		Range: 008W	
Footage X: 1927 FWL	Footage Y: 703 FSL	Elevation:	(FT)	Township: 030N			
Tolerance:							
Location Type: Year Round		Start Date (Est.): 1/1/2009		Completion Date:		Date In Operation:	
Formation Data: Assume KB = 5954 Units = FT							
Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks	
Surface Casing	200	5754	☐			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	1499	4455	☐				
KIRTLAND	1649	4305	☐				
FRUITLAND	2334	3620	☐			Possible Gas	
PICTURED CLIFFS	2645	3309	☐				
LEWIS	2724	3230	☐				
Intermediate Casing	2824	3130	☐			8 3/4" Hole. 7", 23ppf, J-55, LTC Casing. Cement with 650 cuft. Circulate cement to surface.	
HUERFANITO BENTONITE	3362	2592	☐				
CHACRA	3624	2330	☐				
MASSIVE CLIFF HOUSE	4364	1590	☐	325		Gas	
MENEFEE	4424	1530	☐				
MASSIVE POINT LOOKOUT	4799	1155	☐				
MANCOS	5194	760	☐				
UPPER GALLUP	6111	-157	☐				
GREENHORN	6820	-866	☐				
GRANEROS	6874	-920	☐				
TWO WELLS	6922	-968	☐	2100		Gas	
PAGUATE	7020	-1066	☐				
UPPER CUBERO	7050	-1096	☐				
LOWER CUBERO	7079	-1125	☐				
ENCINAL	7139	-1185	☐				

PROJECT PROPOSAL - New Drill / Sidetrack

ELY 25N

DEVELOPMENT

DEPTH DK 7174 -1220 ☐

6-1/4" Hole. 4-1/2", 11.6 ppf, J-55/ L-80 LTC casing. Cement with 592 cuft. Circulate cement a minimum of 100' inside the previous casing string.

Reference Wells:

Reference Type	Well Name	Comments
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Logging Program:

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

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

Est bottom perf ~20' above est TD. Mudlog from ~100' above the Greenhorn to TD. Mudloggers will call final TD.

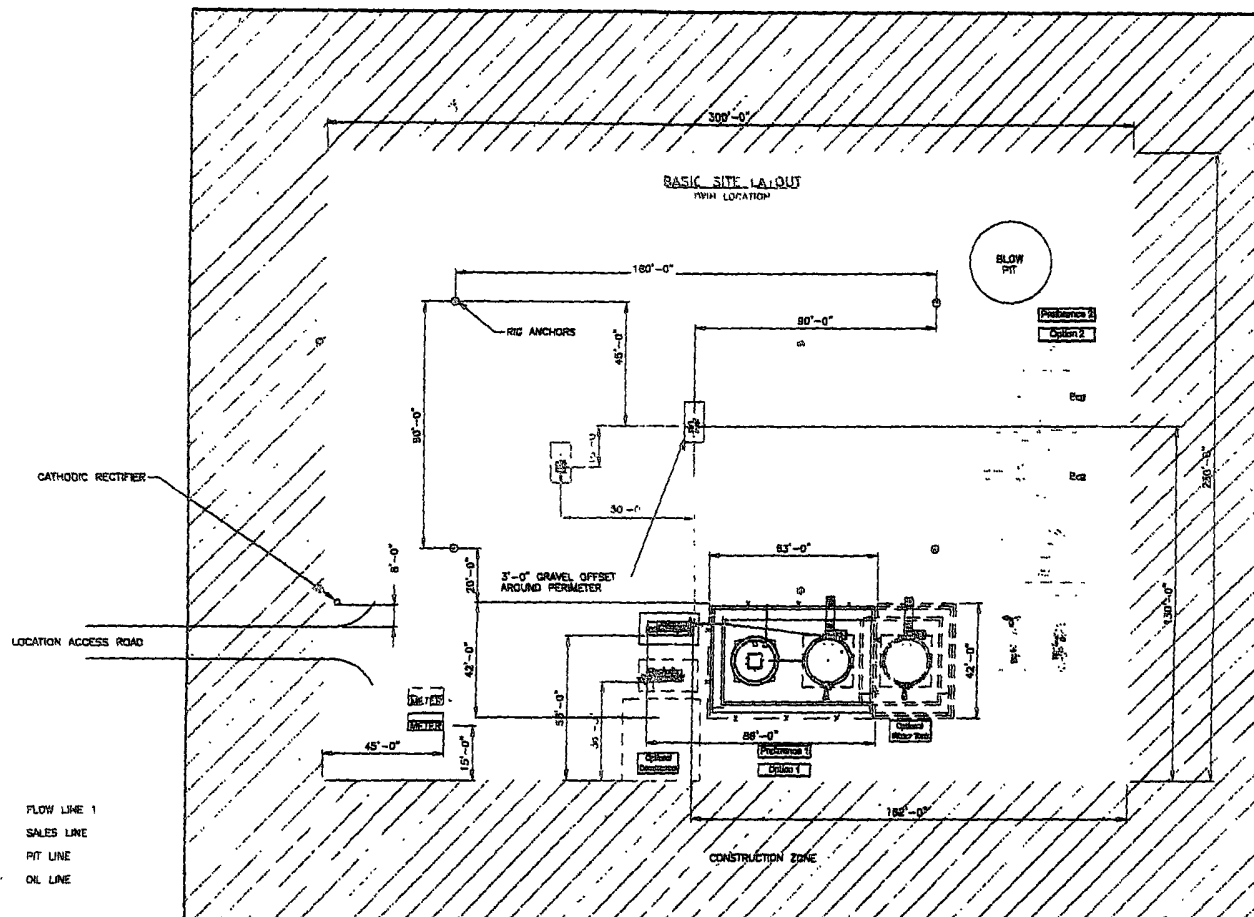
Additional Information:

Log Type	Stage	From (Ft)	To (Ft)	Tool Type/Name	Remarks
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ConocoPhillips or its affiliates
Planning Report

Database:	EDM Central Planning	Local Co-ordinate Reference:	Well Lively #25N
Company:	ConocoPhillips SJB	TVD Reference:	RKB @ 5954.0ft (Original Well Elev)
Project:	San Juan Basin - New Mexico Wells	MD Reference:	RKB @ 5954.0ft (Original Well Elev)
Site:	Other Named Wells	North Reference:	True
Well:	Lively #25N	Survey Calculation Method:	Minimum Curvature
Wellbore:	Principal Wellbore		
Design:	Plan #1		

Formations						
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)	
1,506.1	1,499.0	Ojo		0.00		
1,661.9	1,649.0	Kirtland		0.00		
2,388.3	2,334.0	Fruitland		0.00		
2,704.6	2,645.0	Pictured Cliffs		0.00		
2,783.8	2,724.0	Lewis		0.00		
3,421.9	3,362.0	Huerfano Bentonite		0.00		
3,683.9	3,624.0	Chacra		0.00		
4,423.9	4,364.0	Mass Cliffhouse		0.00		
4,483.9	4,424.0	Menefee		0.00		
4,858.9	4,799.0	Point Lookout		0.00		
5,253.9	5,194.0	Mancos		0.00		
6,170.9	6,111.0	Upper Gallup		0.00		
6,879.9	6,820.0	Greenhorn		0.00		
6,933.9	6,874.0	Graneros		0.00		
6,981.9	6,922.0	Two Wells		0.00		
7,079.9	7,020.0	Paguate		0.00		
7,109.9	7,050.0	Upper cubero		0.00		
7,138.9	7,079.0	Lower Cubero		0.00		
7,198.9	7,139.0	Encinal		0.00		



SEE SHEET 2 & 4 FOR PIPING DETAILS
ALL UNDERGROUND PIPE IS TO BE BURIED A MIN. OF 3'-0" TOP

SHEET 1 OF 5

ENGINEERING REVIEW										REFERENCE DRAWINGS									
NO.	DATE	BY	CHKD	APP	REV	NO.	DATE	BY	CHKD	APP	REV	NO.	DATE	BY	CHKD	APP	REV	NO.	DATE
1						1						1						1	
2						2						2						2	
3						3						3						3	
4						4						4						4	
5						5						5						5	
6						6						6						6	
7						7						7						7	
8						8						8						8	
9						9						9						9	
10						10						10						10	

ConocoPhillips

SAN JUAN BUSINESS UNIT

CONOCOPHILLIPS
HIGH PRESSURE 3 PHASE
FACILITY DIAGRAM- SITE LAYOUT

CLIENT NO.	CLIENT NAME	APPROVAL DATE
PROJECT NO.	PROJECT NAME	CONSTRUCTION DATE 6/20/07
DRW. NO.	DRW. TITLE	SHEET NO.
HP3PHASE-REV1		1 OF 5

BURLINGTON RESOURCES O&G CO LP

LIVELY #25 N

1135' FSL & 1885' FWL

LOCATED IN THE SE/4 SW/4 OF SECTION 29,
T30N, R8W, N.M.P.M.,
SAN JUAN COUNTY, NEW MEXICO

DIRECTIONS

- 1) FROM INTERSECTION OF HWY 173 AND HWY 511, GO SOUTH ON 511, 1.8 MILES.
- 2) TURN LEFT THROUGH YELLOW GATE GO 0.8 MILES TO LOCATION.

WELL FLAG LOCATED LAT. 36.77850°N, LONG. 107.70064°W (NAD 83).

