

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

FEB 18 2010

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-077111 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 RCVD MAR 23 '10 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 Storey C 9. Well Number 101S	
4. Location of Well Surf: Unit G (SWNE), 1621' FNL & 1895' FEL Bottomhole: Unit A (NENE), 710' FNL & 1310' FEL Surf: Latitude: 36.621329° N (NAD83) Longitude: 107.773375° W Bottomhole: Latitude: 36.623834 ° N (NAD83) Longitude: 107.771385° W	10. Field, Pool, Wildcat Basin Fruitland Coal 11. Sec., Twn, Rge, Mer. (NMPM) 6 Sec. 34, T28N, R9W API # 30-045-35102	
14. Distance in Miles from Nearest Town 15 miles / Blanco	12. County San Juan	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 710'	17. Acres Assigned to Well 320.00 N/2 - FC	
16. Acres in Lease 2,575.130	20. Rotary or Cable Tools Rotary	
18. Distance from Proposed Location to Nearest Well, Drig, Compl, or Applied for on this Lease 62' from Blanco Wash Federal 2M (MV/DK)	22. Approx. Date Work will Start 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	
19. Proposed Depth 3198'	21. Elevations (DF, FT, GR, Etc.) 6817' GL	
23. Proposed Casing and Cementing Program See Operations Plan attached	24. Authorized by: <u>Jamie Goodwin</u> Jamie Goodwin (Regulatory Technician) Date <u>2/18/10</u>	

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 2

Bond Numbers NMB-000015 and NMB-000089

MAR 31 2010

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

NMOCD

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

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

Bureau of Land Management
Farmington Field Office

Form C-102
Revised October 12, 2005
Submit to Appropriate District Office
State Lease - 7 Copies
Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-045- 35102	² Pool Code 71629	³ Pool Name BASIN FRUITLAND COAL
⁴ Property Code 7552	⁵ Property Name STOREY C	⁶ Well Number 101S
⁷ OGRID No. 14538	⁸ Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY LP	⁹ Elevation 6817

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	34	28-N	9-W		1621	NORTH	1895	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
A	34	28-N	9-W		710	NORTH	1310	EAST	SAN JUAN

¹² Dedicated Acres 320.00 (N/2)	¹³ Joint or Infill (N/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

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 working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division. Signature: <i>Crystal Tafoya</i> 4/4/09 Printed Name: Crystal Tafoya Title and E-mail Address: Regulatory Technician Date: April 4th, 2009
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: 3/24/09 Signature and Seal of Professional Surveyor: 		

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

STOREY C 101S

DEVELOPMENT

Lease:		AFE #: WAN.CDR.8542				AFE \$: 754,014.40	
Field Name: SAN JUAN		Rig: H&P Rig 283		State: NM	County: SAN JUAN		API #:
Geologist:		Phone:		Geophysicist:		Phone:	
Geoscientist:		Phone:		Prod. Engineer:		Phone:	
Res. Engineer:		Phone:		Proj. Field Lead:		Phone:	
Primary Objective (Zones):							
Zone	Zone Name						
JCV	BASIN FRUITLAND COAL (GAS)						
Location: Surface Datum Code: NAD 27 Directional							
Latitude: 36.621231	Longitude: -107.772760	X:	Y:	Section: 34		Range: 009W	
Footage X: 1895 FEL		Footage Y: 1621 FNL		Elevation: 6817 (FT)	Township: 028N		
Tolerance:							
Location: Bottom Hole Datum Code: NAD 27 Directional							
Latitude: 36.623827	Longitude: -107.770770	X:	Y:	Section: 34		Range: 009W	
Footage X: 970 FEL		Footage Y: 710 FNL		Elevation: (FT)	Township: 028N		
Tolerance: 130							
Location Type: Year Round		Start Date (Est.): 1/1/2010		Completion Date:		Date In Operation:	
Formation Data: Assume KB = 6828 Units = FT							
Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks	
Surface Casing	120	6708	☐			8-3/4 hole. 7" 20 ppf, J-55 STC csg. Cement with 50 cuft. Circulate cement to surface.	
OJO ALAMO	1968	4860	☐				
KIRTLAND	2088	4740	☐				
FRUITLAND	2515	4313	☐	149		Gas	
FRUITLAND COAL	2665	4163	☐				
PICTURED CLIFFS	2998	3830	☐			Gas; TD - 200' below T/PCCF	
Total Depth	3198	3630	☐			6-1/4" hole. 4-1/2" 11.6 ppf, J-55, LTC casing. Cement with 464 cuft. Circulate cement to surface.	
Reference Wells:							
Reference Type	Well Name		Comments				
Production	Blanco Wash Fed 2M		28N 9W 34 NE SW NE				
Production	Storey C LS 7A		28N 9W 27 NW SW SE				
Production	Storey C 11		28N 9W 34 NE SW NE				
Production	Lackey 6		28N 9W 34 NE SW NE				

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

STOREY C 101S

DEVELOPMENT

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

TD Logs:	☐ Triple Combo	☐ Dipmeter	☐ RFT	☐ Sonic	☐ VSP	☐ TDT	☒ Other
Cased Hole GR / CBL							

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 Storey C #101S
Company:	ConocoPhillips SJB	TVD Reference:	KBL @ 6833.0ft (Original Well Elev)
Project:	San Juan Basin - New Mexico Wells	MD Reference:	KBL @ 6833.0ft (Original Well Elev)
Site:	Other Named Wells	North Reference:	True
Well:	Storey C #101S	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #1		

Planned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N-S (ft)	+E-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
Total Depth - Production casing - TD									

Targets									
Target Name	Dip Angle (°)	Dip Dir (°)	TVD (ft)	+N-S (ft)	+E-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
TD - hit/miss target - Shape	0.00	0.00	3,198.0	912.1	583.8	2,046,330.48	518,358.76	36° 37' 25.778 N	107° 46' 14.776 W
Fruitland Coal - plan hits target center - Point	0.00	0.00	2,900.0	912.1	583.8	2,046,330.48	518,358.80	36° 37' 25.778 N	107° 46' 14.775 W

Casing Points					
Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (")	Hole Diameter (")	
120.0	120.0	Surface casing	0	0	
3,465.0	3,198.0	Production casing	0	0	

Formations						
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)	
2,777.2	2,515.0	Fruitland		0.00		
2,303.9	2,088.0	Kirtland		0.00		
2,930.9	2,665.0	Fruitland Coal		0.00		
3,465.0	3,198.0	Total Depth		0.00		
3,265.0	2,998.0	Picture Cliffs		0.00		
2,160.4	1,968.0	Ojo Alamo		0.00		

REFERENCE INFORMATION

KBL @ 6833.0ft (Original Well Elev)
Ground Elevation 6817.0
Reference Lat: 36° 37' 16.759 N
Reference Long: 107° 46' 21.937 W

Project: San Juan Basin - New Mexico Wells

Site: Other Named Wells

Well: Storey C #101S

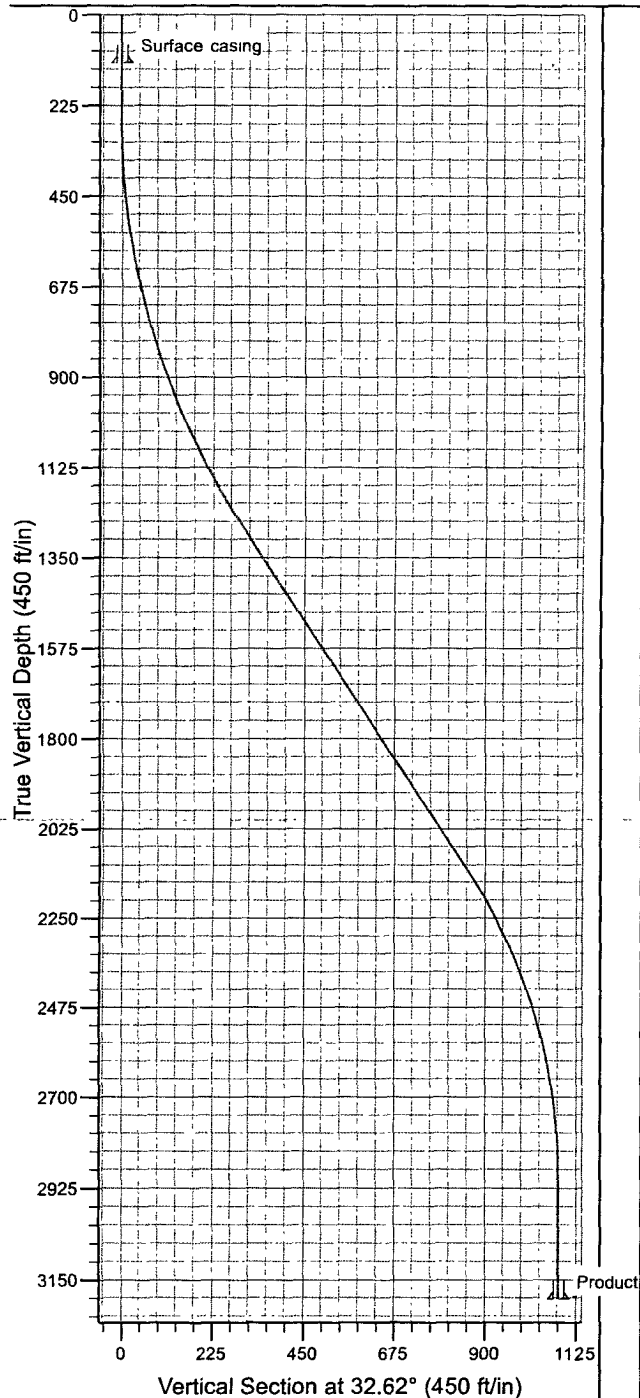
Wellbore: Wellbore #1

Design: Plan #1

ConocoPhillips

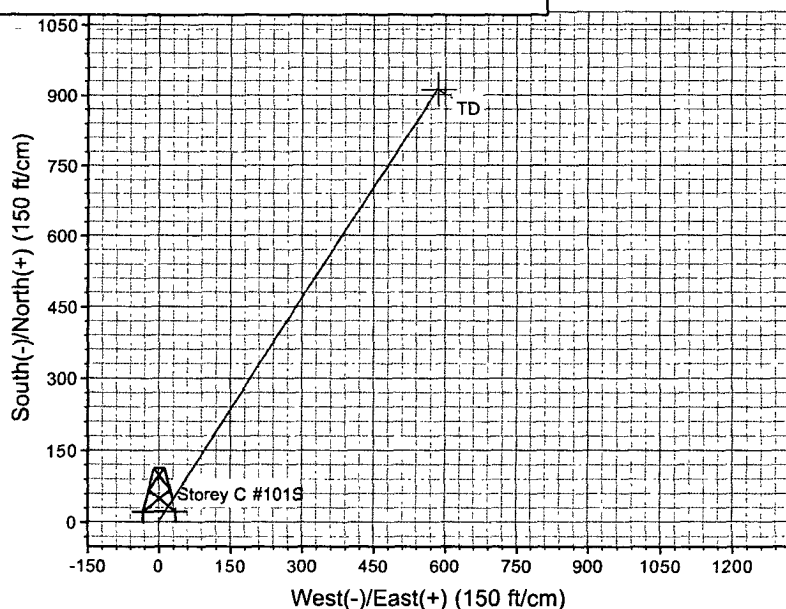
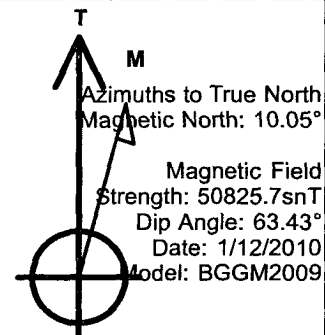
SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	250.0	0.00	0.00	250.0	0.0	0.0	0.00	0.00	0.0	
3	1358.1	33.24	32.62	1296.9	263.2	168.5	3.00	32.62	312.5	
4	2335.9	33.24	32.62	2114.8	714.7	457.5	0.00	0.00	848.6	
5	3167.0	0.00	0.00	2900.0	912.1	583.8	4.00	180.00	1083.0	Fruitland Coal
6	3465.0	0.00	0.00	3198.0	912.1	583.8	0.00	0.00	1083.0	TD



FORMATION TOP DETAILS

TVDPath	MDPath	Formation
1968.0	2160.4	Ojo Alamo
2088.0	2303.9	Kirtland
2515.0	2777.2	Fruitland
2665.0	2930.9	Fruitland Coal
2998.0	3265.0	Picture Cliffs
3198.0	3465.0	Total Depth





ALL INFORMATION CONTAINED HEREIN IS UNCLASSIFIED DATE 07-10-2010 BY 60322 UCBAW

[illegible]

BURLINGTON RESOURCES OIL & GAS COMPANY LP

STOREY C 101S

1621' FNL, 1895' FEL

SECTION 34, T-28-N, R-9-W, N.M.P.M.,

SAN JUAN COUNTY, NEW MEXICO

NAD 83 LAT.: 36.621329°N LONG.: 107.773375°W

ELEV.: 6817 NAVD88

NO NEW ACCESS

FROM BLANCO, N.M ON HWY. 64:

- GO 1.3 MI. EAST ON HWY. 64 TO MILE POST 74.
- TURN RIGHT ON C.R. 4450 (LARGO CANYON).
- GO 4.2 MI. SOUTH, AND CROSS LARGO WASH AT "5 MILE BRIDGE".
- AFTER CROSSING LARGO WASH, GO ANOTHER 3.0 MI. SOUTHEAST. TURN RIGHT ON C.R. 7007 (7.2 MI. FROM HWY. 64), ENTERING BLANCO CANYON.
- GO 5.2 MI. SOUTH ON C.R. 7007 AND TURN RIGHT ON C.R. 7225 HEADING WEST, INTO JAQUEZ CANYON.
- GO 0.5 MI. WEST. TURN RIGHT ON C.R. 7220, HEADING NORTHWEST TO HARRIS MESA PASS.
- GO 3.0 MI. NORTHWESTERLY, UP PASS, AND ONTO HARRIS MESA. TURN RIGHT.
- GO 0.9 MI. NORTHEAST INTO THE NE/4 SECTION 34, T-28-N, R-9-W.
- TURN LEFT INTO WELL LOCATION FOR THE STOREY C 11 AND NEW WELL BLANCO WASH FED. 2M. STAKED AS TWIN HERE.