

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

FEB 19 2010

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG ~~BACK OF Land Management~~
Farmington Field Office

1a. Type of Work DRILL	5. Lease Number NM-0606 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 RCUD MAR 31 '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 Atlantic A 9. Well Number 7C	
4. Location of Well Surf: Unit O(SWSE), 781' FSL & 1811' FEL Bottomhole: Unit P(SESE), 710' FSL & 710' FEL Surf: Latitude: 36.86446° N (NAD83) Longitude: 107.90241° W Bottomhole: Latitude: 36.86426° N (NAD83) Longitude: 107.89865° W	10. Field, Pool, Wildcat Blanco Mesaverde 11. Sec., Twn, Rge, Mer. (NMPM) O Sec. 29, T31N, R10W API # 30-045- 35101	
14. Distance in Miles from Nearest Town 7 miles / Aztec	12. County San Juan	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 710'		
16. Acres in Lease 2,394.720	 H ₂ S POTENTIAL EXIST	
17. Acres Assigned to Well 333.10 - S/2 - MV		
18. Distance from Proposed Location to Nearest Well, Drig, Compl, or Applied for on this Lease 72' from Atlantic A 12 (PC)		
19. Proposed Depth 5485'	20. Rotary or Cable Tools Rotary	
21. Elevations (DF, FT, GR, Etc.) 6085' GL	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 2/18/10	
23. Proposed Casing and Cementing Program See Operations Plan attached		
24. Authorized by: <u>Janie Goodwin</u> Janie Goodwin (Regulatory Technician)	Date	

PERMIT NO.

APPROVAL DATE

APPROVED BY [Signature]

TITLE ATEM

DATE 3/29/2010

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

APR 05 2010

Hold C104

for Directional Survey
and "As Drilled" plat

NMOCD 18

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

DISTRICT I
1825 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

RECEIVED

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

FEB 19 2010

Bureau of Land Management
AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-045-35101		Pool Code 72319	Pool Name BLANCO MESAVERDE
Property Code 6800	Property Name ATLANTIC A		Well Number 7 C
DGRID No. 14538	Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY LP		Elevation 6085'

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
0	29	31N	10W	15	781'	SOUTH	1811'	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
P	29	31N	10W	16	710'	SOUTH	710'	EAST	SAN JUAN

Dedicated Acres 333.10 ACRES - S/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

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 or a compulsory pooling order heretofore entered by the division.

Crystal Tafoya 10/28/09
Signature Date

Crystal Tafoya 10-28-09
Printed Name

18 SURVEYOR CERTIFICATION

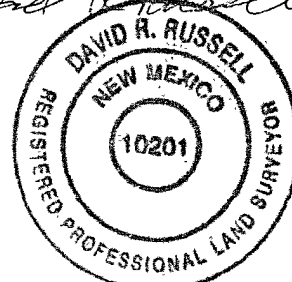
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

OCTOBER 7, 2009

Date of Survey

Signature and Seal of Professional Surveyor:

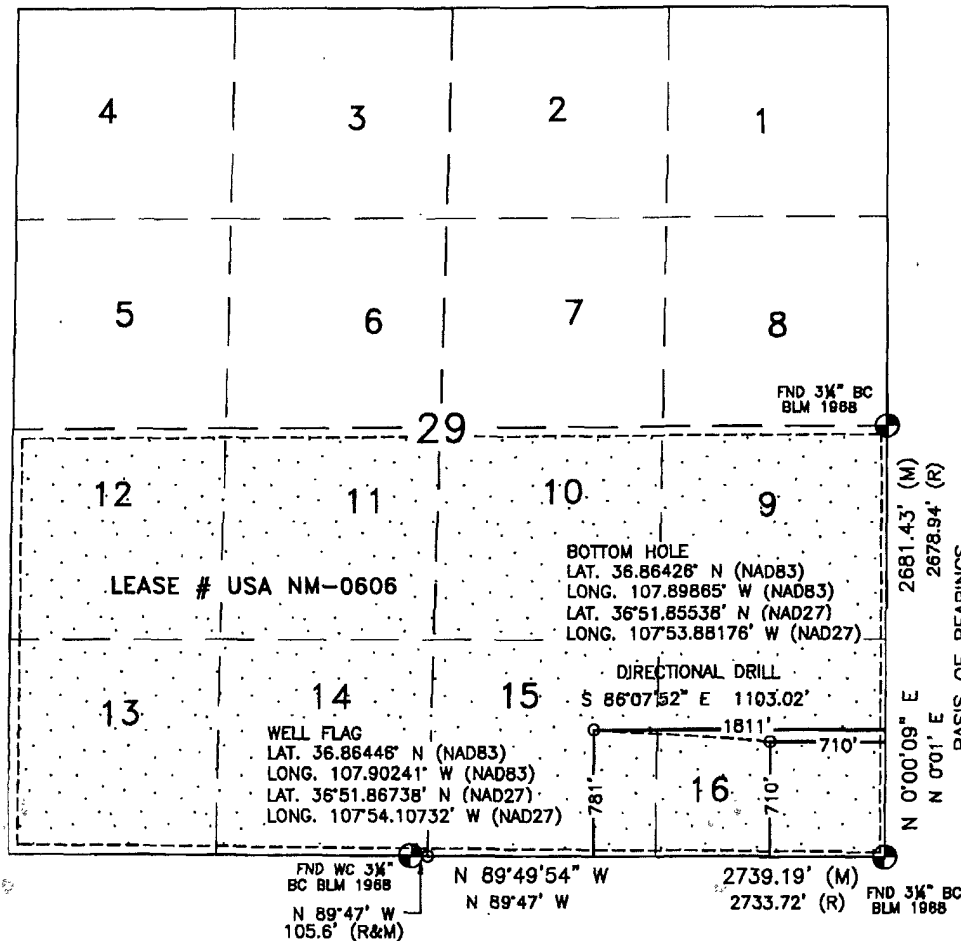
David Russell



DAVID RUSSELL

Certificate Number

10201



PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

ATLANTIC A 7C

DEVELOPMENT

Lease:		AFE #: WAN.CDR.9346				AFE \$: 750,585.86	
Field Name: SAN JUAN		Rig: Aztec Rig 730		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					
RON		BLANCO MESAVERDE (PRORATED GAS)					
Location: Surface Datum Code: NAD 27 Directional							
Latitude: 36.864456		Longitude: -107.901789		X:	Y:	Section: 29	Range: 010W
Footage X: 1811 FEL		Footage Y: 781 FSL		Elevation: 6085 (FT)		Township: 031N	
Tolerance:							
Location: Bottom Hole Datum Code: NAD 27 Directional							
Latitude: 36.864256		Longitude: -107.898029		X:	Y:	Section: 29	Range: 010W
Footage X: 710 FEL		Footage Y: 710 FSL		Elevation: (FT)		Township: 031N	
Tolerance:							
Location Type: Year Round		Start Date (Est.): 1/1/2010		Completion Date:		Date In Operation:	
Formation Data: Assume KB = 6101 Units = FT							
Formation Call & Casing Points		Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks
Surface Casing		200	5901	☐			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		1373	4728	☐			
KIRTLAND		1465	4636	☐			
FRUITLAND		2245	3856	☐			Possible Gas
PICTURED CLIFFS		2761	3340	☐			
LEWIS		2919	3182	☐			
Intermediate Casing		3250	2851	☐			8 3/4" Hole. 7", 23 ppf, J-55, LTC Casing. Cement with 788 cuft. Circulate cement to surface.
HUERFANITO BENTONITE		3500	2601	☐			
CHACRA		3852	2249	☐			
UPPER CLIFF HOUSE		4496	1605	☐			Gas; Est. Top Perf - 4497 (1603)
MASSIVE CLIFF HOUSE		4582	1519	☐	352		Gas
MENELEE		4607	1494	☐			
POINT LOOKOUT		5035	1066	☐			Est. Btm Perf - 5384 (716) based on offset wells
MANCOS		5407	694	☐			TD - 100' below Btm Perf
Total Depth		5485	616	☐			6-1/4" hole, 4-1/2" 11.6 ppf, J-55/L-80, LTC casing. Cement w/ 310 cuft. Circulate cement a minimum of 100' inside the previous casing string.
Reference Wells:							
Reference Type	Well Name		Comments				
Production	Atlantic A 15		31N 10W 28 SW NE NE				
Production	Lambe 2B		31N 10W 20 NW SE SE				
Production	Lambe 1E		31N 10W 21 NE SW SW				
Production	Atlantic C-3B		31N 10W 31 SE NW NE				

PROJECT PROPOSAL - New Drill / Sidetrack

ATLANTIC A 7C

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
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ConocoPhillips or its affiliates Planning Report

Database:	EDM Central Planning	Local Co-ordinate Reference:	Well ATLANTIC A #7C
Company:	ConocoPhillips SJB	TVD Reference:	RKB @ 6101.0ft (Original Well Elev)
Project:	San Juan Basin - New Mexico Wells	MD Reference:	RKB @ 6101.0ft (Original Well Elev)
Site:	Other Named Wells	North Reference:	True
Well:	ATLANTIC A #7C	Survey Calculation Method:	Minimum Curvature
Wellbore:	Principal Wellbore		
Design:	Plan #1		

Casing Points					
Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (")	Hole Diameter (")	
200.0	200.0	SURF	9-5/8	12-1/4	
3,498.7	3,250.0	INT	7	8-3/4	
5,733.7	5,485.0	4 1/2"	4-1/2	6-1/4	

Formations						
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)	
5,655.7	5,407.0	Mancos Shale		0.00		
5,283.7	5,035.0	Pt. Lookout		0.00		
3,166.0	2,919.0	Lewis		0.00		
4,744.7	4,496.0	Upper Cliff House		0.00		
4,855.7	4,607.0	Menefee		0.00		
3,748.7	3,500.0	Huerf. Bent.		0.00		
3,004.2	2,761.0	Pictured Cliffs		0.00		
1,433.3	1,373.0	Ojo Alamo		0.00		
4,830.7	4,582.0	Massive Cliff House		0.00		
2,440.9	2,245.0	Fruitland		0.00		
4,100.7	3,852.0	Chacra		0.00		
1,539.6	1,465.0	Kirtland		0.00		

REFERENCE INFORMATION

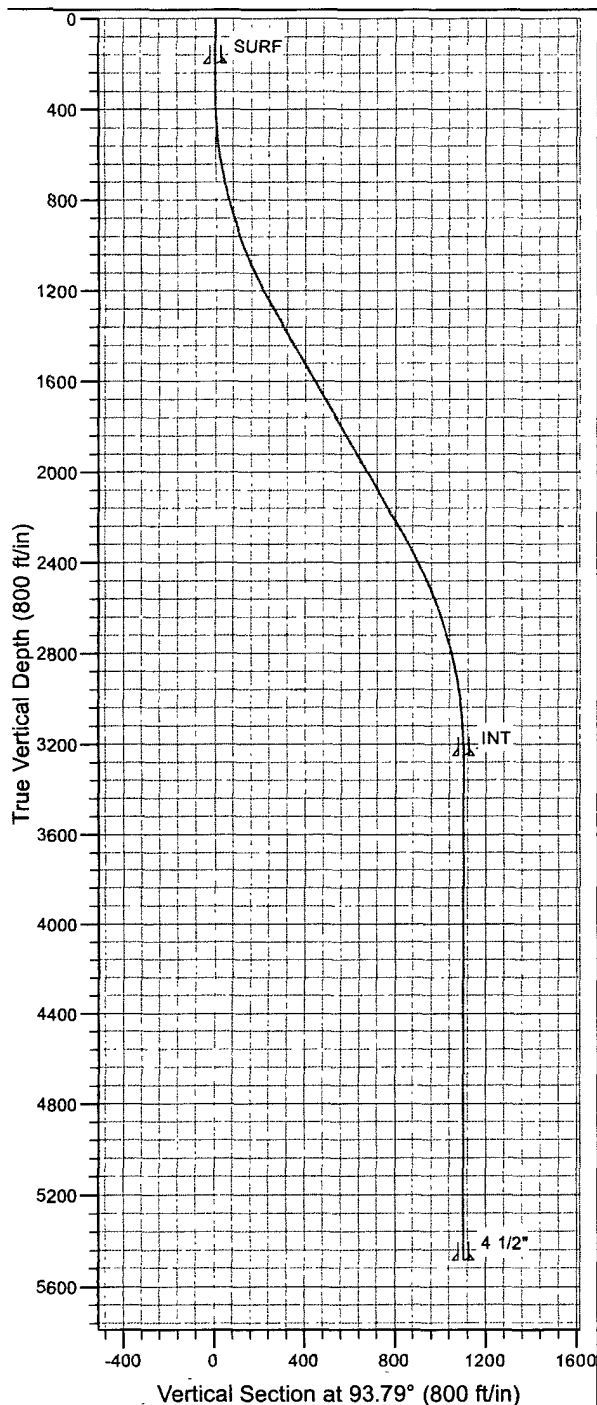
RKB @ 6101.0ft (Original Well Elev)
Ground Elevation 6085.0
Reference Lat: 36° 51' 52.043 N
Reference Long: 107° 54' 6.439 W

Project: San Juan Basin - New Mexico Wells
Site: Other Named Wells
Well: ATLANTIC A #7C
Wellbore: Principal Wellbore
Design: Plan #1



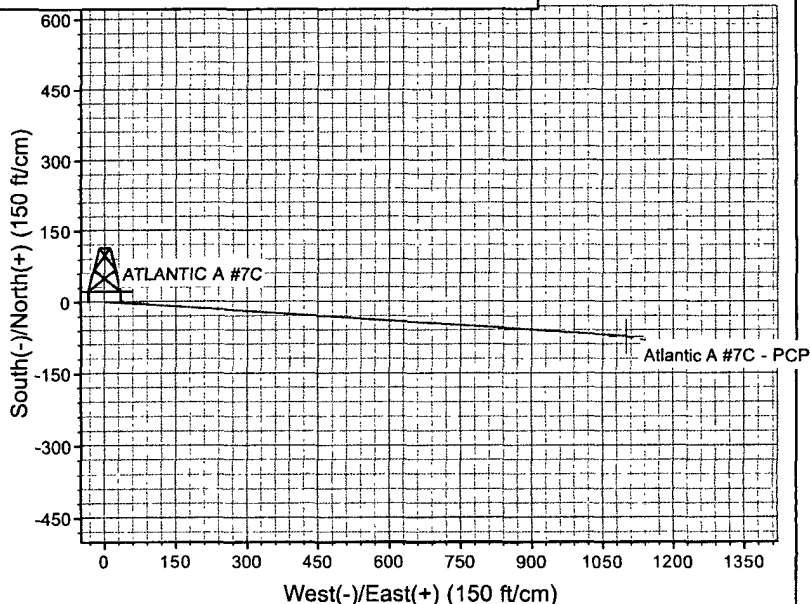
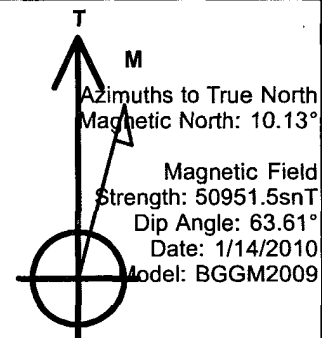
SECTION DETAILS

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	320.0	0.00	0.00	320.0	0.0	0.0	0.00	0.00	0.0	
3	1322.1	30.06	93.79	1276.8	-17.0	256.4	3.00	93.79	256.9	
4	2496.6	30.06	93.79	2293.2	-55.8	843.5	0.00	0.00	845.3	
5	3498.7	0.00	0.00	3250.0	-72.8	1099.8	3.00	180.00	1102.2	Atlantic A #7C - ICP
6	5733.7	0.00	0.00	5485.0	-72.8	1099.8	0.00	0.00	1102.2	Atlantic A #7C - PCP



FORMATION TOP DETAILS

TVDPPath	MDPath	Formation
1373.0	1433.3	Ojo Alamo
1465.0	1539.6	Kirtland
2245.0	2440.9	Fruitland
2761.0	3004.2	Pictured Cliffs
2919.0	3166.0	Lewis
3500.0	3748.7	Huerf. Bent.
3852.0	4100.7	Chacra
4496.0	4744.7	Upper Cliff House
4582.0	4830.7	Massive Cliff House
4607.0	4855.7	Menefee
5035.0	5283.7	Pt. Lookout
5407.0	5655.7	Mancos Shale



BURLINGTON RESOURCES OIL & GAS COMPANY LP

ATLANTIC A #7 C

781' FSL & 1811' FEL

LOCATED IN THE SW/4 SE/4 OF SECTION 29,
T31N, R10W, N.M.P.M.,
SAN JUAN COUNTY, NEW MEXICO

DIRECTIONS

- 1) FROM INTERSECTION OF HWY 550 & HWY 516 IN AZTEC, TRAVEL EASTERLY ON HWY 550 FOR 3.8 MILES TO CR 2770.
- 2) TURN RIGHT ONTO CR 2770 & GO 2.7 MILES.
- 3) TURN RIGHT & GO 0.5 MILES.
- 4) FOLLOW FLAGGED ACCESS TO ABANDONED PAD WHERE PAD IS STAKED.

WELL FLAG LOCATED AT LAT. 36.86446° N, LONG. 107.90241° W (NAD 83).

