

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

DEC 04 2009

1a. Type of Work DRILL	5. Lease Number SF-078741 Unit Reporting Number	Bureau of Land Management Farmington Field Office
1b. Type of Well GAS	6. If Indian, All. or Tribe	
2. Operator BURLINGTON RESOURCES Oil & Gas Company, LP	7. Unit Agreement Name San Juan 30-6 Unit	
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700	8. Farm or Lease Name 9. Well Number 35B	RCVD DEC 14'09 OIL CONS. DIV. DIST. 3
4. Location of Well Surf: Unit J (NWSE), 2280' FSL & 765' FEL Bottomhole: Unit O (SWSE), 1055' FSL & 710' FEL Surf: Latitude: 36.79711° N (NAD83) Longitude: 107.41040° W Bottomhole: Latitude: 36.79376° N (NAD83) Longitude: 107.41020° W	10. Field, Pool, Wildcat Blanco MV / Basin DK 11. Sec., Twn, Rge, Mer. (NMPM) J Sec. 24, T30N, R6W API # 30-039-30871	
14. Distance in Miles from Nearest Town 17 miles/Gobernador	12. County Rio Arriba	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 360'		
16. Acres in Lease 2,378.080	17. Acres Assigned to Well 228.52 (E/2)	
18. Distance from Proposed Location to Nearest Well, Drig, Compl, or Applied for on this Lease 100' - San Juan 30-6 Unit 488S (FC)		
19. Proposed Depth 7767'	20. Rotary or Cable Tools Rotary	
21. Elevations (DF, FT, GR, Etc.) 6315' 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: <u>Crystal Tafoya</u> Crystal Tafoya (Regulatory Technician)	Date <u>12/4/2009</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 3

Bond Numbers NMB-000015 and NMB-000089

NOTIFY AZTEC OCD 24 HRS.

PRIOR TO CASING & CEMENT

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

JAN 04 2010

Hold C104

for Directional Survey
and "As Drilled" plat

NMOCD 16

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

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-102
Revised October 12, 2005
Instructions on back
appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

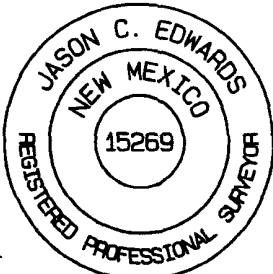
☐ AMENDED REPORT

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: JUNE 15, 2009

Signature and Seal of Professional Surveyor



JASON C. EDWARDS
NEW MEXICO
15269
REGISTERED PROFESSIONAL SURVEYOR

JASON C. EDWARDS

Certificate Number 15269

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 30-6 UNIT 35B

DEVELOPMENT

Lease:		AFE #: WAN.RFE.PD09.B1				AFE \$: 1,106,516.90	
Field Name: SAN JUAN 30-6 UNIT		Rig: Aztec Rig 711		State: NM	County: RIO ARRIBA		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)						
FRR	BASIN DAKOTA (PRORATED GAS)						
Location: Surface Datum Code: NAD 27 Directional							
Latitude: 36.797103	Longitude: -107.409797	X:	Y:	Section: 24		Range: 006W	
Footage X: 765 FEL		Footage Y: 2280 FSL		Elevation: 6315 (FT)	Township: 030N		
Tolerance:							
Location: Bottom Hole Datum Code: NAD 27 Directional							
Latitude: 36.793753	Longitude: -107.409597	X:	Y:	Section: 24		Range: 006W	
Footage X: 710 FEL		Footage Y: 1055 FSL		Elevation: (FT)	Township: 030N		
Tolerance:							
Location Type: Restricted		Start Date (Est.): 1/1/2010		Completion Date:		Date In Operation:	
Formation Data: Assume KB = 6330		Units = FT					
Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks	
Surface Casing	230	6100	☐			12-1/4 hole. 230' 9 5/8" 32.3 ppf, H-40, STC casing. Cement with 121 cuft. Circulate cement to surface.	
NACIMIENTO	1067	5263	☐				
OJO ALAMO	2425	3905	☐				
KIRTLAND	2529	3801	☐				
FRUITLAND	2793	3537	☐	124		Possible Gas	
PICTURED CLIFFS	3228	3102	☐	844			
LEWIS	3328	3002	☐				
HUERFANITO BENTONITE	3986	2344	☐				
Intermediate Casing	3986	2344	☐			8 3/4" Hole. 7", 23 ppf, J-55, LTC Casing. Cement with 948 cuft. Circulate cement to surface.	
CHACRA	4342	1988	☐				
UPPER CLIFF HOUSE	4986	1344	☐			Gas	
MASSIVE CLIFF HOUSE	5169	1161	☐	379		Gas	
MENESEE	5216	1114	☐				
POINT LOOKOUT	5476	854	☐				
MANCOS	5814	516	☐				
UPPER GALLUP	6721	-391	☐				
GREENHORN	7442	-1112	☐				
GRANEROS	7495	-1165	☐			In 2005, Well SJ 30-6 41A @ 1.3 miles away, hole got wet while drilling between 7100' to 7720'.	
TWO WELLS	7622	-1292	☐	3294		Gas	
PAGUATE	7624	-1294	☐				
UPPER CUBERO	7634	-1304	☐				

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 30-6 UNIT 35B

DEVELOPMENT

LOWER CUBERO	7660	-1330	☐	In 2005, Well SJ 31-6 31E @ 4 miles away, during drilling, wet at TD @ 8058, could not get casing past 8040' 6-1/4" hole, 4-1/2" 11.6 ppf, L-80, LTC casing. Cement w/ 516 cuft. Circulate cement a minimum of 100' inside the previous casing string.
ENCINAL	7732	-1402	☐	
Total Depth	7767	-1437	☐	

Reference Wells:		
Reference Type	Well Name	Comments
Production	SAN JUAN 30-6 UNIT SWD 112Y	
Production	SAN JUAN 30-5 UNIT 89M	

Logging Program:

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

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

mud log from ~100' above grhn to td. perf 15' above td. mud logger will call 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 SJ 30-6 #35B
Company:	ConocoPhillips SJB	TVD Reference:	RKB @ 6330.0ft (AWS RIGS)
Project:	San Juan Basin - New Mexico Wells	MD Reference:	RKB @ 6330.0ft (AWS RIGS)
Site:	San Juan 30 Wells	North Reference:	True
Well:	SJ 30-6 #35B	Survey Calculation Method:	Minimum Curvature
Wellbore:	SJ 30-6 #35B		
Design:	Plan #1		

Formations						
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)	
7,849 9	7,622 0	Two Wells		0 00		
5,396 9	5,169 0	Massive Cliffhouse		0 00		
4,569 9	4,342 0	Chacra		0 00		
5,443 9	5,216 0	Menefee		0 00		
6,948 9	6,721 0	Upper Gallup		0 00		
7,994 9	7,767 0	Total Depth		0 00		
3,542 2	3,328 0	Lewis		0 00		
7,722 9	7,495 0	Graneros		0 00		
6,041 9	5,814 0	Mancos		0 00		
7,887 9	7,660 0	Lower Cubero		0 00		
4,213 9	3,986 0	Huerfanto Bentonite		0 00		
7,669 9	7,442 0	Greenhorn		0 00		
5,213 9	4,986 0	Upper Cliff House		0 00		
2,962 0	2,793 0	Fruitland		0 00		
2,562 4	2,425 0	Ojo Alamo		0 00		
7,959 9	7,732 0	Encinal		0 00		
7,851 9	7,624 0	Paguate		0 00		
2,675 3	2,529 0	Kirtland		0 00		
7,861 9	7,634 0	Upper Cubero		0 00		
5,703 9	5,476 0	Point Lookout		0 00		
1,087 5	1,067 0	Nacimiento		0 00		
3,434 5	3,228 0	Pictured Cliffs		0 00		

REFERENCE INFORMATION

RKB @ 6330 0ft (AWS RIGS)
Ground Elevation 6315.0
Reference Lat: 36° 47' 49.590 N
Reference Long: 107° 24' 35.250 W

Project: San Juan Basin - New Mexico Wells

Site: San Juan 30 Wells

Well: SJ 30-6 #35B

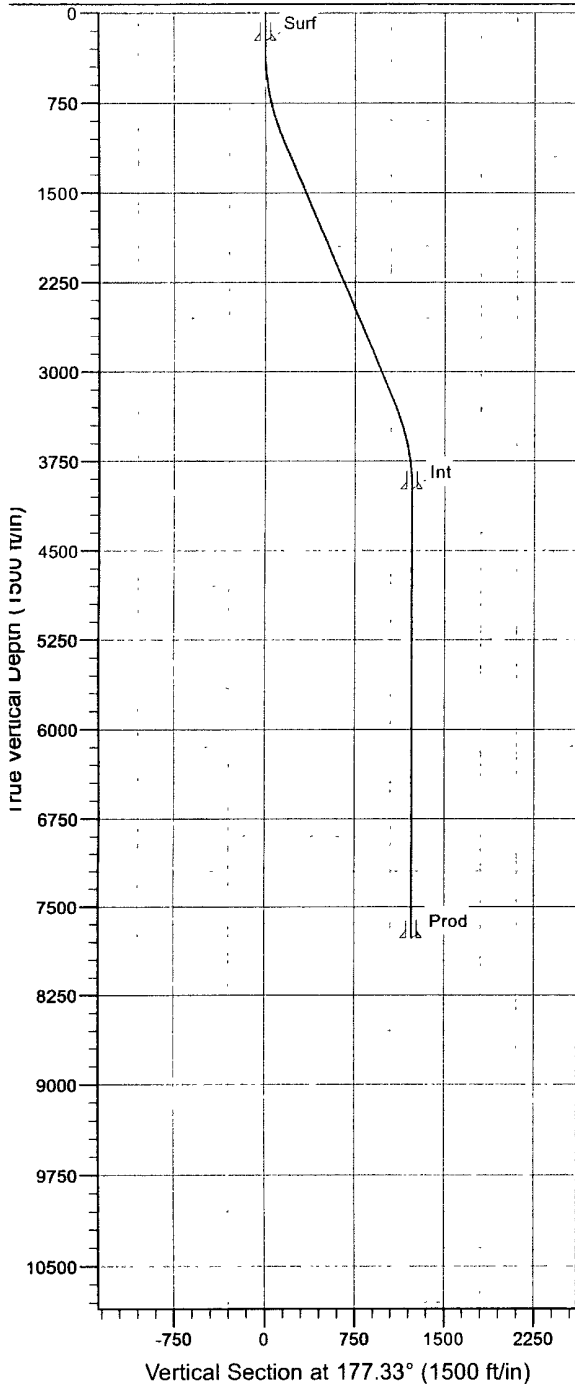
Wellbore: SJ 30-6 #35B

Design: Plan #1



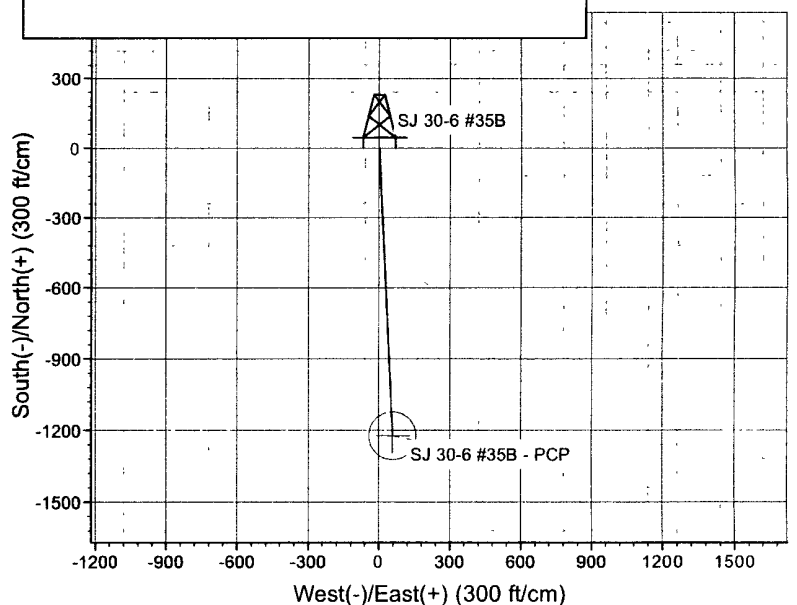
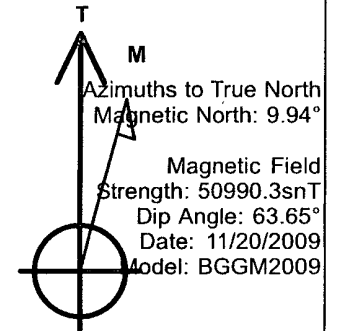
SECTION DETAILS

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	1085.5	22.96	177.33	1065.1	-151.2	7.1	3.00	177.33	151.4	
4	3448.5	22.96	177.33	3240.9	-1072.1	50.0	0.00	0.00	1073.3	
5	4213.9	0.00	0.00	3986.0	-1223.3	57.1	3.00	180.00	1224.6	SJ 30-6 #35B - ICP
6	7994.9	0.00	0.00	7767.0	-1223.3	57.1	0.00	0.00	1224.6	SJ 30-6 #35B - PCP



FORMATION TOP DETAILS

TVDPath	MDPath	Formation
1067.0	1087.5	Nacimiento
2425.0	2562.4	Ojo Alamo
2529.0	2675.3	Kirtland
2793.0	2962.0	Fruitland
3228.0	3434.5	Pictured Cliffs
3328.0	3542.2	Lewis
3986.0	4213.9	Huerfano Bentonite
4342.0	4569.9	Chacra
4986.0	5213.9	Upper Cliff House
5169.0	5396.9	Massive Cliffhouse
5216.0	5443.9	Menefee
5476.0	5703.9	Point Lookout
5814.0	6041.9	Mancos
6721.0	6948.9	Upper Gallup
7442.0	7669.9	Greenhorn
7495.0	7722.9	Graneros
7622.0	7849.9	Two Wells
7624.0	7851.9	Paguate
7634.0	7861.9	Upper Cubero
7660.0	7887.9	Lower Cubero
7732.0	7959.9	Encinal
7767.0	7994.9	Total Depth



Directions from the Intersection of US Hwy 64 & US Hwy 550 in Bloomfield, NM

to Burlington Resources Oil and Gas Company San Juan 30-6 Unit #35B

2280' FSL & 765' FEL, Section 24, T30N, R6W, NMPM, Rio Arriba County, NM

Latitude : 36.79711°N Longitude : 107.41040°W Datum : NAD1983

From the intersection of US Hwy 64 & US Hwy 550 in Bloomfield, NM, travel Easterly on US Hwy 64 for 38.0 miles to State Hwy 527 (Simms Hwy);

Go left (North-westerly) on State Hwy 527 (Simms Hwy) for 7.9 miles to Rosa Road @ La Jara Station;

Go right (Northerly) on Rosa Road for 5.4 miles to fork in road;

Go right (North-easterly) exiting Rosa Road for 1.2 miles to fork in road;

Go left which is straight (South-easterly) for 0.9 miles to fork in road;

Go left which is straight (South-easterly) for 0.7 miles to fork in road;

Go right (South-westerly) for 0.9 miles to staked location which overlaps an existing wellpad.