

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

SEP 22 2009

1a. Type of Work DRILL	5. Lease Number NM-02151 Unit Reporting Number NMNM-794204-MV	
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 RCVD JUL 22 '10 OIL CONS. DIV. DIST. 3	
4. Location of Well Surf: Unit A(NENE), 594' FNL & 677' FEL Bottomhole: Unit B(NWNE), 710' FNL & 1830' FEL Surf: Latitude: 36.7892597° N (NAD83) Longitude: 107.5696497° W Bottomhole: Latitude: 36.7889394° N (NAD83) Longitude: 107.5735864° W	10. Field, Pool, Wildcat Basin DK/Blanco MV 11. Sec., Twn, Rge, Mer. (NMPM) A Sec. 28, T30N, R7W API # 30-039-30817	
14. Distance in Miles from Nearest Town 40 miles/Bloomfield	12. County Rio Arriba	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 594'		
16. Acres in Lease 320.00	17. Acres Assigned to Well MV/DK 320.00 (E/2)	
18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease 70' from San Juan 30-6 Unit 140 (PC)		
19. Proposed Depth 8302'	20. Rotary or Cable Tools Rotary	
21. Elevations (DF, FT, GR, Etc.) 6894' 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 7/22/2009	
23. Proposed Casing and Cementing Program See Operations Plan attached		
24. Authorized by: <u>Crystal Tafoya</u> Crystal Tafoya (Regulatory Technician)	Date	

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

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

Hold C104

for Directional Survey and "As Drilled" plat

for Directional Survey and "As Drilled" plat

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

NOTIFY AZTEC OCD 24 HRS.
PRIOR TO CASING & CEMENT

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

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, N.M. 87505

State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION

1220 South St. Francis Dr.
Santa Fe, N.M. 87505

Form C-102

Revised October 12, 2005

Submit to Appropriate District Office

State Lease - 4 Copies

Fee Lease - 3 Copies

SEP 22 2009

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-039-30817	Pool Code 71599/72319	Pool Name BASIN DAKOTA/BLANCO MESA VERDE
Property Code 7469	Property Name SAN JUAN 30-6 UNIT	Well Number 104M
OGRID No. 14538	Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY LP	Elevation 6894

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
A	28	30 N	07 W		594	NORTH	677	EAST	RIO ARRIBA

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
B	28	30 N	07 W		710	NORTH	1830	EAST	RIO ARRIBA

Dedicated Acres 320.00 (E/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 N 89°50' W 2640' (R)	2640' (R)	S 89°48'39" W 2634.27'	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: Crystal Tafoya 2/6/09 Printed Name: Crystal Tafoya 2-6-09
N 0°03' W	SECTION 28	NAD 83 LAT: 36.7889394° N LONG: 107.5735864° W NAD 27 LAT: 36°47.33602' N LONG: 107°34.37869' W NAD 83 LAT: 36.7892597° N LONG: 107.5696497° W NAD 27 LAT: 36°47.35524' N LONG: 107°34.14250' W	N 0°21'25" W
2636.20'		USA NM-02151	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: 01/07/09 Signature and Seal of Professional Surveyor: [Seal] Certificate Number: 17078
N 0°06'08" W S 89°53'42" W	2637.33'	N 89°55'05" W	2646.32'

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 30-6 UNIT 104M

DEVELOPMENT

Lease:		AFE #: WAN.CDR.8524		AFE \$: 1,056,145.80	
Field Name: SAN JUAN		Rig: Aztec Rig 730		State: NM	County: RIO ARRIBA
Geologist:		Phone:		Geophysicist:	
Geoscientist:		Phone:		Prod. Engineer:	
Res. Engineer:		Phone:		Proj. Field Lead:	
Primary Objective (Zones):					
Zone	Zone Name				
FRR	BASIN DAKOTA (PRORATED GAS)				
RON	BLANCO MESAVERDE (PRORATED GAS)				
Location: Surface Datum Code: NAD 27 Directional					
Latitude: 36.789254	Longitude: -107.569042	X:	Y:	Section: 28	Range: 007W
Footage X: 677 FEL	Footage Y: 594 FNL	Elevation: 6894	(FT)	Township: 030N	
Tolerance:					
Location: Bottom Hole Datum Code: NAD 27 Directional					
Latitude: 36.788934	Longitude: -107.572978	X:	Y:	Section: 28	Range: 007W
Footage X: 1830 FEL	Footage Y: 710 FNL	Elevation:	(FT)	Township: 030N	
Tolerance:					
Location Type: Year Round		Start Date (Est.): 1/1/2009		Completion Date:	
Formation Data: Assume KB = 6909		Units = FT			
Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT
Surface Casing	203	6706	☐		
OJO ALAMO	2836	4073	☐		
KIRTLAND	2954	3955	☐		
FRUITLAND	3349	3560	☐		Possible Gas
PICTURED CLIFFS	3809	3100	☐		
LEWIS	3919	2990	☐		
Intermediate Casing	4019	2890	☐		
HUERFANITO BENTONITE	4499	2410	☐		
CHACRA	4839	2070	☐		
MASSIVE CLIFF HOUSE	5577	1332	☐	325	Gas
MENEFEE	5664	1245	☐		
POINT LOOKOUT	6007	902	☐		
MANCOS	6401	508	☐		
UPPER GALLUP	7306	-397	☐		
GREENHORN	7979	-1070	☐		
GRANEROS	8035	-1126	☐		
TWO WELLS	8106	-1197	☐	3415	Gas
UPPER CUBERO	8179	-1270	☐		
LOWER CUBERO	8209	-1300	☐		
ENCINAL	8270	-1361	☐		
Total Depth	8302	-1393	☐		
12-1/4 hole. 200' 9 5/8" 32.3 ppf, H-40, STC casing. Cement with 162 cuft. Circulate cement to surface.					
8 3/4" Hole. 7", 23 ppf, J-55, LTC Casing. Cement with 952 cuft. Circulate cement to surface.					
6-1/4" hole, 4-1/2" 10.5/11.6 ppf, J-55, STC/LTC casing. Cement w/ 583 cuft. Circulate cement a minimum of 100' inside the previous casing string.					

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 30-6 UNIT 104M

DEVELOPMENT

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
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Est bottom perf ~20' above the 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

ConocoPhillips or its affiliates Planning Report

Database:	EDM Central Planning	Local Co-ordinate Reference:	Well SJ 30-6 #104M
Company:	ConocoPhillips SJB	TVD Reference:	RKB @ 6909.0ft (Original Well Elev)
Project:	San Juan Basin - New Mexico Wells	MD Reference:	RKB @ 6909.0ft (Original Well Elev)
Site:	San Juan 30 Wells	North Reference:	True
Well:	SJ 30-6 #104M	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #1		

Formations						
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)	
6,610.7	6,401.0	Mancos		0.00		
5,048.7	4,839.0	Chacra		0.00		
7,515.7	7,306.0	Upper Gallup		0.00		
8,244.7	8,035.0	Graneros		0.00		
8,315.7	8,106.0	Two Wells		0.00		
4,018.3	3,809.0	Pictured Cliffs		0.00		
4,708.7	4,499.0	Huerfano Bentonite		0.00		
5,873.7	5,664.0	Menefee		0.00		
8,388.7	8,179.0	Upper Cubero		0.00		
3,544.2	3,349.0	Fruitland		0.00		
8,188.7	7,979.0	Greenhorn		0.00		
5,786.7	5,577.0	Massive Cliffhouse		0.00		
3,115.7	2,954.0	Kirtland		0.00		
8,479.7	8,270.0	Encinal		0.00		
6,216.7	6,007.0	Massive Point Lookout		0.00		
4,128.7	3,919.0	Lewis		0.00		
2,987.5	2,836.0	Ojo Alamo		0.00		
8,418.7	8,209.0	Lower Cubero		0.00		

REFERENCE INFORMATION

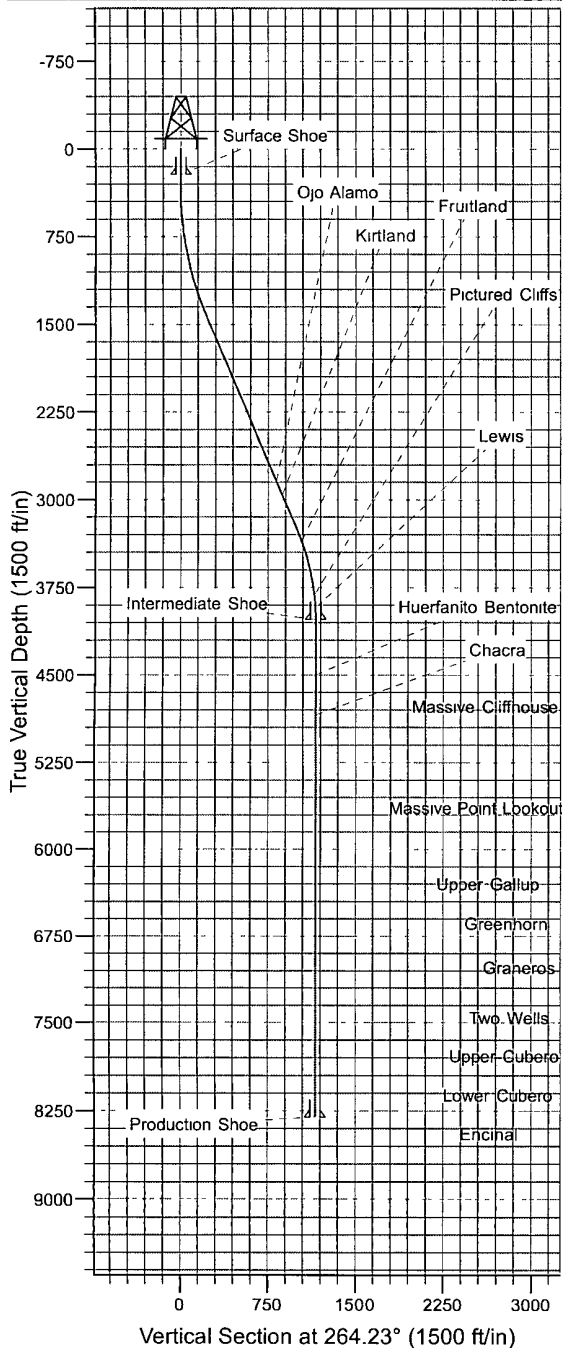
RKB @ 6909.0ft (Original Well Elev)
Ground Elevation 6894.0
Reference Lat: 36° 47' 21.314 N
Reference Long: 107° 34' 8.550 W

Project: San Juan Basin - New Mexico Wells
Site: San Juan 30 Wells
Well: SJ 30-6 #104M
Wellbore: Wellbore #1
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	1471.1	23.02	264.23	1440.4	-23.0	-227.0	2.00	264.23	228.2	
4	3461.3	23.02	264.23	3272.1	-101.3	-1001.4	0.00	0.00	1006.5	
5	4228.7	0.00	0.00	4019.0	-116.6	-1152.8	3.00	180.00	1158.6	SJ 30-6 #104M ICP
6	8511.7	0.00	0.00	8302.0	-116.6	-1152.8	0.00	0.00	1158.6	SJ 30-6 #104M TD



FORMATION TOP DETAILS

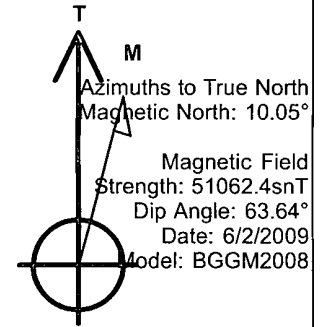
MDPath

3115.7 Ojo Alamo
Kirtland
Fruitland
Pictured Cliffs
Lewis
Huerfanito Bentonite
Massive Cliffhouse
Massive Point Lookout

7306.0
7979.0

Upper Gallup

Two Wells
Upper Cubero
Lower Cubero



RCVD JUL 23 '10
OIL CONS. DIV.

DIST. 3

400

SJ 30-6 #104M TD

0

SJ 30-6 #104M

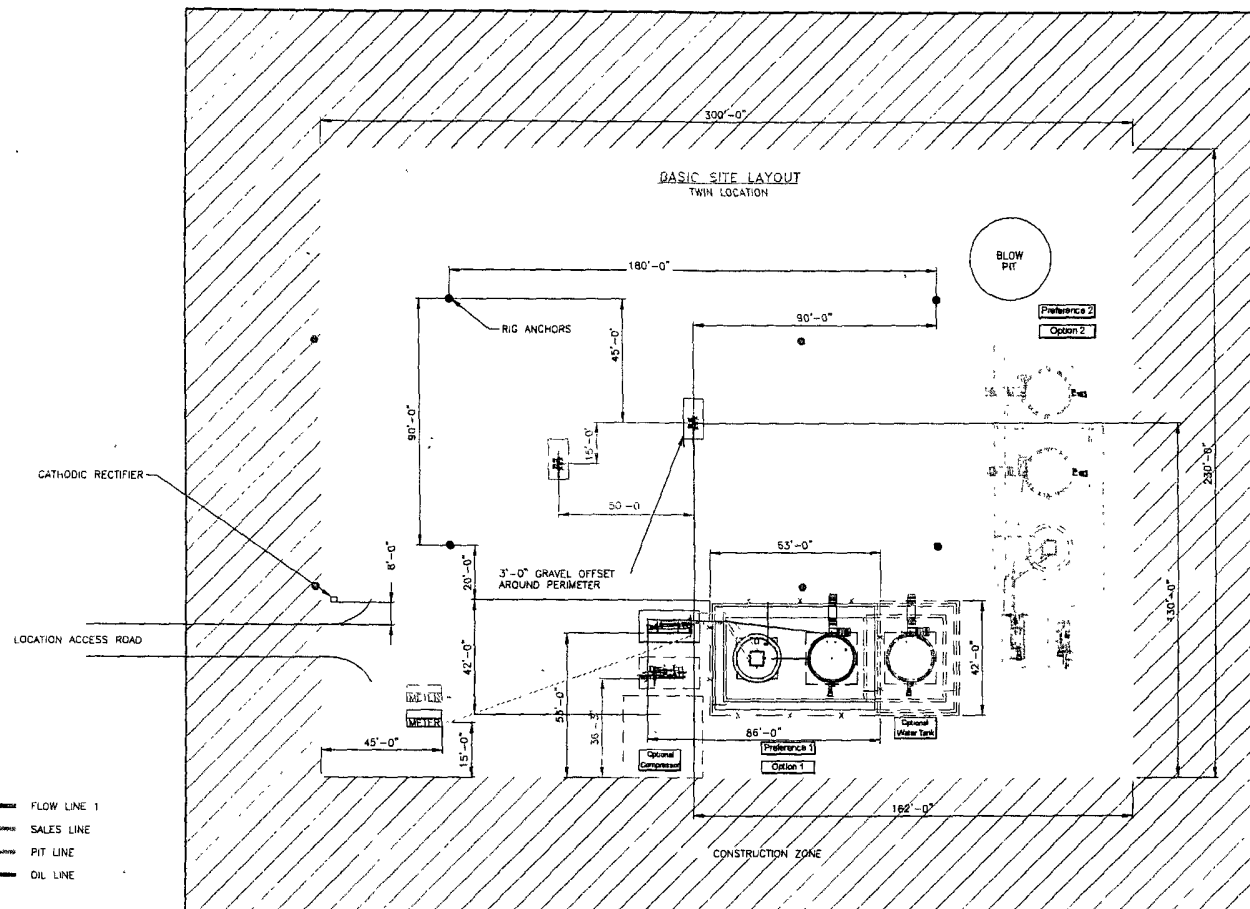
SJ 30-6 #104M ICP

-1400 -1200 -1000

0

400

West(-)/East(+) (200 ft/cm)



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

SHEET 1 OF 5

										CONOCOPHILLIPS HIGH PRESSURE 3 PHASE FACILITY DIAGRAM - SITE LAYOUT	
										SAN JUAN BUSINESS UNIT	
										CLIENT No.	CLIENT APPR.
										SCALE: NONE	APPR. DATE
										DESIGN BY	CREATION DATE 6/20/07
										DWG. No.	SHEET No.
										HP3PHASE-REV1	1 OF 5

\\hrcress\5\gas\PRD\csh\1\Andres\Regulatory\Twin Location Site Layout.dwg, 06/28/2007 - 08:09pm

BURLINGTON RESOURCES OIL & GAS COMPANY LP

SAN JUAN 30-6 UNIT 104M

594' FNL & 677' FEL (SURFACE)

710' FNL & 1830' FEL (BOTTOM HOLE LOCATION)

LATITUDE: 36.7892597° N

LONGITUDE: 107.5696497° W

NAD 83

SECTION 28, T-30-N, R-07-W, N.M.P.M.

RIO ARriba COUNTY, NEW MEXICO

FROM THE INTERSECTION OF U.S. HIGHWAY 64 AND

U.S. HIGHWAY 550 IN BLOOMFIELD, NEW MEXICO.

TRAVEL EASTERLY 32.4 MILES ON U.S. HIGHWAY 64.

TURN LEFT ONTO NM ROAD 539 AND TRAVEL NORTHERLY 4.1 MILES.

TURN RIGHT ONTO A DIRT ROAD & TRAVEL EASTERLY 2.1 MILES.

TURN LEFT AT A TEE INTERSECTION NEAR A LAUNCHER ASSEMBLY

AND TRAVEL NORTHERLY TOWARD SMITH PASS 1.0 MILE.

TURN RIGHT AT A TEE INTERSECTION AND

TRAVEL SOUTHEASTERLY 0.5 MILE

TURN LEFT AT EXISTING LOCATION TO PROPOSED LOCATION OF

SAN JUAN 30-6 UNIT 104M.