

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

SEP 13 2011

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK
Farmington Field Office
Bureau of Land Management

1a. Type of Work DRILL	5. Lease Number SF-080713 Unit Reporting Number NMNM-78420A-MV NMNM-78420D-DK	
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	
4. Location of Well Surface: Unit D (NWNW), 35' FNL & 501' FWL BHL : Unit D (NWNW), 1185' FNL & 545' FWL Surface: Latitude: 36.81977° N (NAD83) Longitude: 107.42151° W Surface: Latitude: 36.81661° N (NAD83) Longitude: 107.42136° W	9. Well Number 41N RCVD JAN 26 '12 OIL CONS. DIV. 10. Field, Pool, Wildcat Blanco MV / Basin DK 11. Sec., Twn, Rge, Mer. (NMPM) Sec. 13, T30N, R6W DIST. 3 API # 30-039-31085	
14. Distance in Miles from Nearest Town 45 miles to Blanco	12. County Rio Arriba	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 35'		
16. Acres in Lease 912.880	 H ₂ S POTENTIAL EXIST	
17. Acres Assigned to Well 320.00 acres W/2		
18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease 1504 - SJ 30-6 Unit 43		
19. Proposed Depth 7834'	20. Rotary or Cable Tools Rotary	
21. Elevations (DF, FT, GR, Etc.) 6361' GL	22. Approx. Date Work will Start	
23. Proposed Casing and Cementing Program See Operations Plan attached		
24. Authorized by: <u>Arleen Kellywood</u> Arleen Kellywood (Staff Regulatory Tech)	9/13/11 Date	

Hold C104
for Directional Survey
and "As Drilled" plat

PERMIT NO. _____ APPROVAL DATE _____
APPROVED BY [Signature] TITLE AFM DATE 1/24/12

Archaeological Report attached A gas recovery unit may or may not be used on this location.

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

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

FEB 07 2012 ca

4 NMOC

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

NOTIFY AZTEC UCD 24 HRS.
PRIOR TO CASING & CEMENT

DISTRICT I
1825 N. French Dr., Hobbs, N.M. 88240

State of New Mexico
Energy, Minerals & Natural Resources Department

Form C-102
Revised July 10, 2010

DISTRICT II
1301 W. Grand Avenue, Artesia, N.M. 88210

Submit one copy to appropriate
District Office

DISTRICT III
1000 Rio Brazos Rd., Aztec, N.M. 87410

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

DISTRICT IV
1220 S. St. Francis Dr., Santa Fe, NM 87605

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-039-31085	² Pool Code 72319/71599	³ Pool Name BLANCO MESAVERDE / BASIN DAKOTA
⁴ Property Code 7469	⁵ Property Name SAN JUAN 30-6 UNIT	⁶ Well Number 41N
⁷ GRID No. 14538	⁸ Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY LP	⁹ Elevation 6361'

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
D	13	30N	6W		35'	NORTH	501'	WEST	RIO ARRIBA

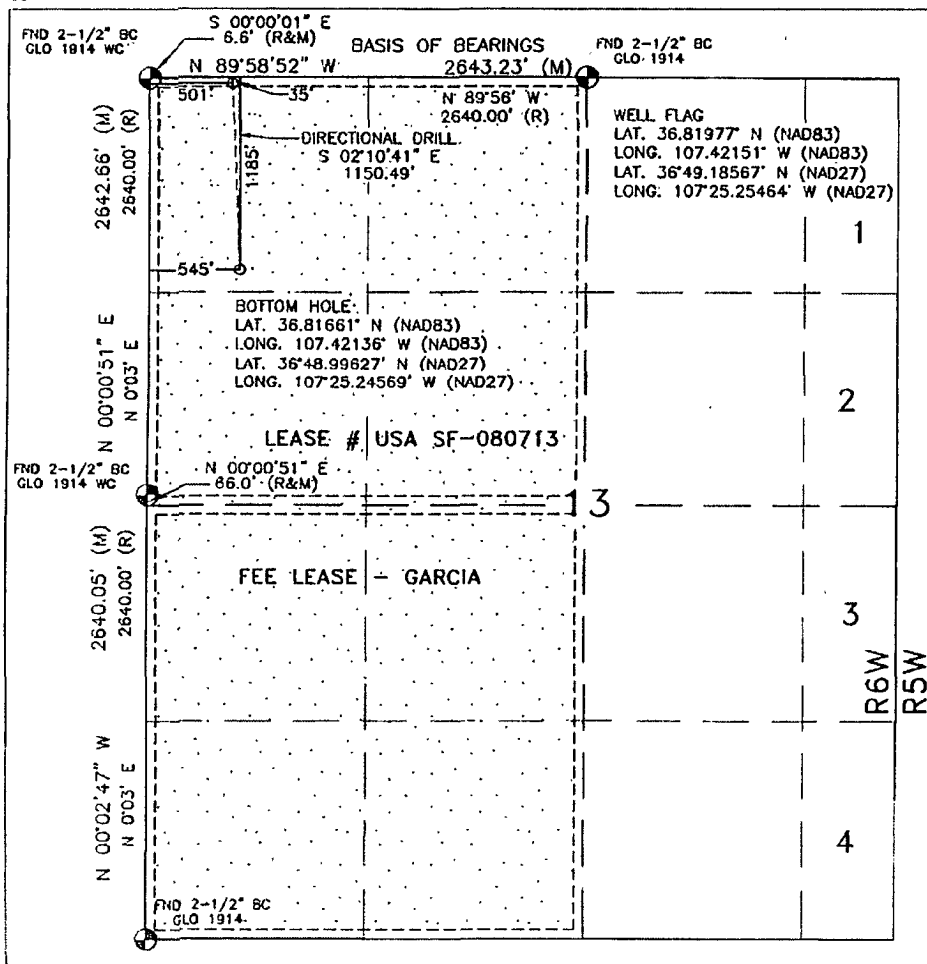
¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
D	13	30N	6W		1185'	NORTH	545'	WEST	RIO ARRIBA

¹² Dedicated Acres 320.00 ACRES - W/2	¹³ Joint or Infill	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

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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 of such a mineral or working interest, or to a voluntary voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Brandie Blakley 12/26/10
Signature Date

Brandie Blakley
Printed Name

Staff Regulatory Tech
E-mail Address

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.

NOVEMBER 9 2010

Date of Survey

Signature and Seal of Professional Surveyor:

DAVID R. RUSSELL
NEW MEXICO
REGISTERED PROFESSIONAL LAND SURVEYOR
10201

DAVID RUSSELL

Certificate Number

10201

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 30-6 UNIT 41N

DEVELOPMENT

Lease:		AFE #: WAN.CDR.0118				AFE \$:	
Field Name: SAN JUAN		Rig: Aztec Riq 673		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						
R20002	MESAVERDE(R20002)						
R20076	DAKOTA(R20076)						
Location: Surface							
Datum Code: NAD 27		Directional					
Latitude: 36.819764	Longitude: -107.420907	X:	Y:	Section: 13	Range: 006W		
Footage X: 501 FWL	Footage Y: 35 FNL	Elevation: 6361	(FT)	Township: 030N			
Tolerance:							
Location: Bottom Hole							
Datum Code: NAD 27		Directional					
Latitude: 36.816604	Longitude: -107.420757	X:	Y:	Section: 13	Range: 006W		
Footage X: 545 FWL	Footage Y: 1185 FNL	Elevation:	(FT)	Township: 030N			
Tolerance:							
Location Type: Restricted		Start Date (Est.): 1/1/2014		Completion Date:		Date In Operation:	
Formation Data: Assume KB = 6376 Units = FT							
Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	MD (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks
Surface Casing	230	6146		☐			12-1/4 hole. 230' 9 5/8" 32.3 ppf, H-40, STC casing. Cement with 121 cuft. Circulate cement to surface.
NACIMIENTO	1202	5174		☐			
OJO ALAMO	2431	3945		☐			
KIRTLAND	2535	3841		☐			
FRUITLAND	2838	3538		☐			Possible Gas
PICTURED CLIFFS	3294	3082		☐			
LEWIS	3392	2984		☐			
Intermediate Casing	3492	2884		☐	127		8 3/4" Hole. 7", 23 ppf, J-55, LTC Casing. Cement with 844 cuft. Circulate cement to surface.
HUERFANITO BENTONITE	4028	2348		☐			
CHACRA	4402	1974		☐			Est. Top Perf - 4404 (1972)
UPPER CLIFF HOUSE	4949	1427		☐			Gas: Cliffhouse is dry
MASSIVE CLIFF HOUSE	5228	1148		☐	438		Gas
MENEFEE	5278	1098		☐			
POINT LOOKOUT	5552	824		☐			
MANCOS	5905	471		☐			
UPPER GALLUP	6820	-444		☐			
GREENHORN	7552	-1176		☐			
GRANEROS	7606	-1230		☐			
TWO WELLS	7722	-1346		☐	3022		Gas
PAGUATE	7727	-1351		☐			
UPPER CUBERO	7734	-1358		☐			

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 30-6 UNIT 41N

DEVELOPMENT

LOWER CUBERO	7774	-1398	☐	Est. Btm Perf - 7814 (- 1438) based on offset wells
ENCINAL	7834	-1458	☐	TD - T/ENCN
Total Depth	7834	-1458	☐	224 6-1/4" hole, 4-1/2" 11.6 ppf, L-80, LTC/BTC casing. Cement w/ 591 cuft. Circulate cement a minimum of 100' inside the previous casing string.

Reference Wells:		
Reference Type	Well Name	Comments
Production	SJ 30-6 Unit 40A	30N 6W 12 SW NW
Production	SJ 30-6 Unit 43A	30N 6W 14 NE SE
Production	SJ 30-6 Unit 41A	30N 6W 13 SE NW
Production	SJ 30-6 Unit 40M	30N 6W 12

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

PC data well. eap 5-19-11

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

Mudlog from 100' above top of GLLP to TD - mudlogger 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 #41N
Company:	ConocoPhillips, SJB	TVD Reference:	RKB @ 6376 0ft (AWS Rigs)
Project:	San Juan Basin - New Mexico West Wells	MD Reference:	RKB @ 6376 0ft (AWS Rigs)
Site:	San Juan 30 Wells	North Reference:	True
Well:	SJ 30-6 #41N	Survey Calculation Method:	Minimum Curvature
Wellbore:	Principal Wellbore		
Design:	Plan #1		

Project:	San Juan Basin - New Mexico West Wells, New Mexico, Directional "S"		
Map System:	US State Plane 1927 (Exact solution)	System Datum:	Mean Sea Level
Geo Datum:	NAD 1927 (NADCON CONUS)		
Map Zone:	New Mexico West 3003		Using geodetic scale factor

Site:	San Juan 30 Wells		
Site Position:		Northing:	2,102,764 35 ft
From:	Lat/Long	Easting:	577,489 48 ft
Position Uncertainty:	15 0 ft	Slot Radius:	"
		Latitude:	36° 46' 42.851 N
		Longitude:	107° 34' 7 456 W
		Grid Convergence:	0 16 °

Well:	SJ 30-6 #41N, Directional "S", Curve Short, Lewis included		
Well Position	+N/S	0 0 ft	Northing:
	+E/W	0 0 ft	Easting:
Position Uncertainty	3 5 ft	Wellhead Elevation:	ft
		Latitude:	36° 49' 11 140 N
		Longitude:	107° 25' 15 278 W
		Ground Level:	6,361 0 ft

Wellbore:	Principal Wellbore		
Magnetics	Model Name	Sample Date	Declination
			(°)
	BGGM2010	2/11/2011	9 79
			Dip Angle
			(°)
			Field Strength
			(nT)
			63 64
			50,856

Design:	Plan #1		
Audit Notes:			
Version:	1	Phase:	PROTOTYPE
		Tie On Depth:	0 0
Vertical Section:	Depth From (TVD)	+N/S	+E/W
	(ft)	(ft)	(ft)
	0 0	0 0	0 0
			Direction
			(°)
			177 82

Plan Sections										
Measured	Inclination	Azimuth	Vertical	+N/S	+E/W	Dogleg	Build	Turn	TFO	Target
Depth	(°)	(°)	Depth	(ft)	(ft)	Rate	Rate	Rate	(°)	
(ft)			(ft)			(°/100ft)	(°/100ft)	(°/100ft)		
0 0	0 00	0 00	0 0	0 0	0 0	0 00	0 00	0 00	0 00	
320 0	0 00	0 00	320 0	0 0	0 0	0 00	0 00	0 00	0 00	
2,001 5	33 63	177 82	1,906 6	-479 1	18 2	2 00	2 00	0 00	177 82	
2,635 2	33 63	177 82	2,434 3	-829 9	31 5	0 00	0 00	0 00	0 00	
3,756 2	0 00	0 00	3,492 0	-1,149 3	43 7	3 00	-3 00	0 00	180 00	SJ 30-6 #41N - ICP
8,098 2	0 00	0 00	7,834 0	-1,149 3	43 7	0 00	0 00	0 00	0 00	SJ 30-6 #41N - PCP

ConocoPhillips or its affiliates

Planning Report

Database:	EDM Central Planning	Local Co-ordinate Reference:	Well SJ 30-6 #41N
Company:	ConocoPhillips SJB	TVD Reference:	RKB @ 6376.0ft (AWS Rigs)
Project:	San Juan Basin - New Mexico West Wells	MD Reference:	RKB @ 6376.0ft (AWS Rigs)
Site:	San Juan 30 Wells	North Reference:	True
Well:	SJ 30-6 #41N	Survey Calculation Method:	Minimum Curvature
Wellbore:	Principal Wellbore		
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)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	0.00
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00
230.0	0.00	0.00	230.0	0.0	0.0	0.0	0.00	0.00	0.00
Surface									
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	0.00
320.0	0.00	0.00	320.0	0.0	0.0	0.0	0.00	0.00	0.00
400.0	1.60	177.82	400.0	-1.1	0.0	1.1	2.00	2.00	0.00
500.0	3.60	177.82	499.9	-5.6	0.2	5.7	2.00	2.00	0.00
600.0	5.60	177.82	599.6	-13.7	0.5	13.7	2.00	2.00	0.00
700.0	7.60	177.82	698.9	-25.1	1.0	25.2	2.00	2.00	0.00
800.0	9.60	177.82	797.8	-40.1	1.5	40.1	2.00	2.00	0.00
900.0	11.60	177.82	896.0	-58.5	2.2	58.5	2.00	2.00	0.00
1,000.0	13.60	177.82	993.6	-80.3	3.0	80.3	2.00	2.00	0.00
1,100.0	15.60	177.82	1,090.4	-105.5	4.0	105.5	2.00	2.00	0.00
1,200.0	17.60	177.82	1,186.2	-134.0	5.1	134.1	2.00	2.00	0.00
1,216.6	17.93	177.82	1,202.0	-139.1	5.3	139.2	2.00	2.00	0.00
Nacimiento									
1,300.0	19.60	177.82	1,281.0	-165.9	6.3	166.0	2.00	2.00	0.00
1,400.0	21.60	177.82	1,374.6	-201.0	7.6	201.2	2.00	2.00	0.00
1,500.0	23.60	177.82	1,466.9	-239.4	9.1	239.6	2.00	2.00	0.00
1,600.0	25.60	177.82	1,557.8	-281.0	10.7	281.2	2.00	2.00	0.00
1,700.0	27.60	177.82	1,647.2	-325.8	12.4	326.0	2.00	2.00	0.00
1,800.0	29.60	177.82	1,735.0	-373.6	14.2	373.9	2.00	2.00	0.00
1,900.0	31.60	177.82	1,821.1	-424.5	16.1	424.8	2.00	2.00	0.00
2,001.5	33.63	177.82	1,906.6	-479.1	18.2	479.5	2.00	2.00	0.00
2,100.0	33.63	177.82	1,988.6	-533.6	20.3	534.0	0.00	0.00	0.00
2,200.0	33.63	177.82	2,071.9	-589.0	22.4	589.4	0.00	0.00	0.00
2,300.0	33.63	177.82	2,155.1	-644.3	24.5	644.8	0.00	0.00	0.00
2,400.0	33.63	177.82	2,238.4	-699.7	26.6	700.2	0.00	0.00	0.00
2,500.0	33.63	177.82	2,321.7	-755.0	28.7	755.6	0.00	0.00	0.00
2,600.0	33.63	177.82	2,404.9	-810.4	30.8	810.9	0.00	0.00	0.00
2,631.3	33.63	177.82	2,431.0	-827.7	31.4	828.3	0.00	0.00	0.00
Ojo									
2,635.2	33.63	177.82	2,434.3	-829.9	31.5	830.5	0.00	0.00	0.00
2,700.0	31.69	177.82	2,488.8	-864.8	32.9	865.4	3.00	-3.00	0.00
2,753.8	30.07	177.82	2,535.0	-892.4	33.9	893.0	3.00	-3.00	0.00
Kirtland									
2,800.0	28.69	177.82	2,575.2	-915.0	34.8	915.7	3.00	-3.00	0.00
2,900.0	25.69	177.82	2,664.2	-960.7	36.5	961.4	3.00	-3.00	0.00
2,925.3	24.93	177.82	2,687.0	-971.5	36.9	972.2	3.00	-3.00	0.00
Stage Tool									
3,000.0	22.69	177.82	2,755.4	-1,001.6	38.1	1,002.3	3.00	-3.00	0.00
3,088.7	20.03	177.82	2,838.0	-1,033.9	39.3	1,034.6	3.00	-3.00	0.00
Fruitland									
3,100.0	19.69	177.82	2,848.6	-1,037.7	39.4	1,038.5	3.00	-3.00	0.00
3,200.0	16.69	177.82	2,943.6	-1,068.9	40.6	1,069.7	3.00	-3.00	0.00
3,300.0	13.69	177.82	3,040.1	-1,095.1	41.6	1,095.9	3.00	-3.00	0.00
3,400.0	10.69	177.82	3,137.8	-1,116.2	42.4	1,117.0	3.00	-3.00	0.00
3,500.0	7.69	177.82	3,236.5	-1,132.1	43.0	1,132.9	3.00	-3.00	0.00
3,557.9	5.95	177.82	3,294.0	-1,139.0	43.3	1,139.8	3.00	-3.00	0.00
Pictured Cliffs									
3,600.0	4.69	177.82	3,335.9	-1,142.9	43.4	1,143.7	3.00	-3.00	0.00

ConocoPhillips or its affiliates

Planning Report

Database:	EDM Central Planning	Local Co-ordinate Reference:	Well SJ 30-6 #41N
Company:	ConocoPhillips SJBU	TVD Reference:	RKB @ 6376.0ft (AWS Rigs)
Project:	San Juan Basin - New Mexico West Wells	MD Reference:	RKB @ 6376.0ft (AWS Rigs)
Site:	San Juan 30 Wells	North Reference:	True
Well:	SJ 30-6 #41N	Survey Calculation Method:	Minimum Curvature
Wellbore Design:	Principal Wellbore 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)
3,656.2	3.00	177.82	3,392.0	-1,146.7	43.6	1,147.5	3.00	-3.00	0.00
Lewis									
3,700.0	1.69	177.82	3,435.8	-1,148.4	43.6	1,149.3	3.00	-3.00	0.00
3,756.2	0.00	0.00	3,492.0	-1,149.3	43.7	1,150.1	3.00	-3.00	-316.21
Intermediate - SJ 30-6 #41N - ICP									
3,800.0	0.00	0.00	3,535.8	-1,149.3	43.7	1,150.1	0.00	0.00	0.00
3,900.0	0.00	0.00	3,635.8	-1,149.3	43.7	1,150.1	0.00	0.00	0.00
4,000.0	0.00	0.00	3,735.8	-1,149.3	43.7	1,150.1	0.00	0.00	0.00
4,100.0	0.00	0.00	3,835.8	-1,149.3	43.7	1,150.1	0.00	0.00	0.00
4,200.0	0.00	0.00	3,935.8	-1,149.3	43.7	1,150.1	0.00	0.00	0.00
4,292.2	0.00	0.00	4,028.0	-1,149.3	43.7	1,150.1	0.00	0.00	0.00
Huerfano Bentonite									
4,300.0	0.00	0.00	4,035.8	-1,149.3	43.7	1,150.1	0.00	0.00	0.00
4,400.0	0.00	0.00	4,135.8	-1,149.3	43.7	1,150.1	0.00	0.00	0.00
4,500.0	0.00	0.00	4,235.8	-1,149.3	43.7	1,150.1	0.00	0.00	0.00
4,600.0	0.00	0.00	4,335.8	-1,149.3	43.7	1,150.1	0.00	0.00	0.00
4,666.2	0.00	0.00	4,402.0	-1,149.3	43.7	1,150.1	0.00	0.00	0.00
Chacra									
4,700.0	0.00	0.00	4,435.8	-1,149.3	43.7	1,150.1	0.00	0.00	0.00
4,800.0	0.00	0.00	4,535.8	-1,149.3	43.7	1,150.1	0.00	0.00	0.00
4,900.0	0.00	0.00	4,635.8	-1,149.3	43.7	1,150.1	0.00	0.00	0.00
5,000.0	0.00	0.00	4,735.8	-1,149.3	43.7	1,150.1	0.00	0.00	0.00
5,100.0	0.00	0.00	4,835.8	-1,149.3	43.7	1,150.1	0.00	0.00	0.00
5,200.0	0.00	0.00	4,935.8	-1,149.3	43.7	1,150.1	0.00	0.00	0.00
5,213.2	0.00	0.00	4,949.0	-1,149.3	43.7	1,150.1	0.00	0.00	0.00
Upper Cliffhouse									
5,300.0	0.00	0.00	5,035.8	-1,149.3	43.7	1,150.1	0.00	0.00	0.00
5,400.0	0.00	0.00	5,135.8	-1,149.3	43.7	1,150.1	0.00	0.00	0.00
5,492.2	0.00	0.00	5,228.0	-1,149.3	43.7	1,150.1	0.00	0.00	0.00
Massive Cliffhouse									
5,500.0	0.00	0.00	5,235.8	-1,149.3	43.7	1,150.1	0.00	0.00	0.00
5,542.2	0.00	0.00	5,278.0	-1,149.3	43.7	1,150.1	0.00	0.00	0.00
Menefee									
5,600.0	0.00	0.00	5,335.8	-1,149.3	43.7	1,150.1	0.00	0.00	0.00
5,700.0	0.00	0.00	5,435.8	-1,149.3	43.7	1,150.1	0.00	0.00	0.00
5,800.0	0.00	0.00	5,535.8	-1,149.3	43.7	1,150.1	0.00	0.00	0.00
5,816.2	0.00	0.00	5,552.0	-1,149.3	43.7	1,150.1	0.00	0.00	0.00
Point Lookout									
5,900.0	0.00	0.00	5,635.8	-1,149.3	43.7	1,150.1	0.00	0.00	0.00
6,000.0	0.00	0.00	5,735.8	-1,149.3	43.7	1,150.1	0.00	0.00	0.00
6,100.0	0.00	0.00	5,835.8	-1,149.3	43.7	1,150.1	0.00	0.00	0.00
6,169.2	0.00	0.00	5,905.0	-1,149.3	43.7	1,150.1	0.00	0.00	0.00
Mancos									
6,200.0	0.00	0.00	5,935.8	-1,149.3	43.7	1,150.1	0.00	0.00	0.00
6,300.0	0.00	0.00	6,035.8	-1,149.3	43.7	1,150.1	0.00	0.00	0.00
6,400.0	0.00	0.00	6,135.8	-1,149.3	43.7	1,150.1	0.00	0.00	0.00
6,500.0	0.00	0.00	6,235.8	-1,149.3	43.7	1,150.1	0.00	0.00	0.00
6,600.0	0.00	0.00	6,335.8	-1,149.3	43.7	1,150.1	0.00	0.00	0.00
6,700.0	0.00	0.00	6,435.8	-1,149.3	43.7	1,150.1	0.00	0.00	0.00
6,800.0	0.00	0.00	6,535.8	-1,149.3	43.7	1,150.1	0.00	0.00	0.00
6,900.0	0.00	0.00	6,635.8	-1,149.3	43.7	1,150.1	0.00	0.00	0.00
7,000.0	0.00	0.00	6,735.8	-1,149.3	43.7	1,150.1	0.00	0.00	0.00
7,084.2	0.00	0.00	6,820.0	-1,149.3	43.7	1,150.1	0.00	0.00	0.00

ConocoPhillips or its affiliates

Planning Report

Database:	EDM Central Planning	Local Co-ordinate Reference:	Well SJ 30-6 #41N
Company:	ConocoPhillips SJB	TVD Reference:	RKB @ 6376.0ft (AWS Rigs)
Project:	San Juan Basin - New Mexico West Wells	MD Reference:	RKB @ 6376.0ft (AWS Rigs)
Site:	San Juan 30 Wells	North Reference:	True
Well:	SJ 30-6 #41N	Survey Calculation Method:	Minimum Curvature
Wellbore:	Principal Wellbore		
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)
Upper Gallup									
7,100.0	0.00	0.00	6,835.8	-1,149.3	43.7	1,150.1	0.00	0.00	0.00
7,200.0	0.00	0.00	6,935.8	-1,149.3	43.7	1,150.1	0.00	0.00	0.00
7,300.0	0.00	0.00	7,035.8	-1,149.3	43.7	1,150.1	0.00	0.00	0.00
7,400.0	0.00	0.00	7,135.8	-1,149.3	43.7	1,150.1	0.00	0.00	0.00
7,500.0	0.00	0.00	7,235.8	-1,149.3	43.7	1,150.1	0.00	0.00	0.00
7,600.0	0.00	0.00	7,335.8	-1,149.3	43.7	1,150.1	0.00	0.00	0.00
7,700.0	0.00	0.00	7,435.8	-1,149.3	43.7	1,150.1	0.00	0.00	0.00
7,800.0	0.00	0.00	7,535.8	-1,149.3	43.7	1,150.1	0.00	0.00	0.00
7,816.2	0.00	0.00	7,552.0	-1,149.3	43.7	1,150.1	0.00	0.00	0.00
Greenhorn									
7,870.2	0.00	0.00	7,606.0	-1,149.3	43.7	1,150.1	0.00	0.00	0.00
Graneros									
7,900.0	0.00	0.00	7,635.8	-1,149.3	43.7	1,150.1	0.00	0.00	0.00
7,986.2	0.00	0.00	7,722.0	-1,149.3	43.7	1,150.1	0.00	0.00	0.00
Two Wells									
7,991.2	0.00	0.00	7,727.0	-1,149.3	43.7	1,150.1	0.00	0.00	0.00
Paguate									
7,998.2	0.00	0.00	7,734.0	-1,149.3	43.7	1,150.1	0.00	0.00	0.00
Upper Cubero									
8,000.0	0.00	0.00	7,735.8	-1,149.3	43.7	1,150.1	0.00	0.00	0.00
8,038.2	0.00	0.00	7,774.0	-1,149.3	43.7	1,150.1	0.00	0.00	0.00
Lower Cubero									
8,098.2	0.00	0.00	7,834.0	-1,149.3	43.7	1,150.1	0.00	0.00	0.00
Encinal - Production - SJ 30-6 #41N - PCP									

Targets

Target Name	hit/miss target	Dip Angle (°)	Dip Dir (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
SJ 30-6 #41N - PCP	- plan hits target center - Circle (radius 100.0)	0.00	0.00	7,834.0	-1,149.3	43.7	2,116,764.24	620,766.31	36° 48' 59.776 N	107° 25' 14.741 W
SJ 30-6 #41N - ICP	- plan hits target center - Circle (radius 100.0)	0.00	0.00	3,492.0	-1,149.3	43.7	2,116,764.24	620,766.31	36° 48' 59.776 N	107° 25' 14.741 W

Casing Points

Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (")	Hole Diameter (")
230.0	230.0	Surface	9-5/8	12-1/4
3,756.2	3,492.0	Intermediate	7	8-3/4
8,098.2	7,834.0	Production	4-1/2	6-1/4

ConocoPhillips or its affiliates

Planning Report

Database:	EDM Central Planning	Local Co-ordinate Reference:	Well SJ 30-6 #41N
Company:	ConocoPhillips SJB	TVD Reference:	RKB @ 6376 0ft (AWS Rigs)
Project:	San Juan Basin - New Mexico West Wells	MD Reference:	RKB @ 6376 0ft (AWS Rigs)
Site:	San Juan 30 Wells	North Reference:	True
Well:	SJ 30-6 #41N	Survey Calculation Method:	Minimum Curvature
Wellbore Design:	Principal Wellbore Plan #1		

Formations						
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)	
8,098.2	7,834.0	Encinal		0.00		
1,216.6	1,202.0	Nacimiento		0.00		
5,542.2	5,278.0	Menefee		0.00		
4,292.2	4,028.0	Huerfano Bentonite		0.00		
3,656.2	3,392.0	Lewis		0.00		
7,870.2	7,606.0	Graneros		0.00		
7,998.2	7,734.0	Upper Cubero		0.00		
2,753.8	2,535.0	Kirtland		0.00		
3,557.9	3,294.0	Pictured Cliffs		0.00		
7,991.2	7,727.0	Paguate		0.00		
5,213.2	4,949.0	Upper Cliffhouse		0.00		
2,631.3	2,431.0	Ojo		0.00		
5,816.2	5,552.0	Point Lookout		0.00		
7,816.2	7,552.0	Greenhorn		0.00		
4,666.2	4,402.0	Chacara		0.00		
3,088.7	2,838.0	Fruitland		0.00		
5,492.2	5,228.0	Massive Cliffhouse		0.00		
7,986.2	7,722.0	Two Wells		0.00		
6,169.2	5,905.0	Mancos		0.00		
2,925.3	2,687.0	Stage Tool		0.00		
8,038.2	7,774.0	Lower Cubero		0.00		
7,084.2	6,820.0	Upper Gallup		0.00		

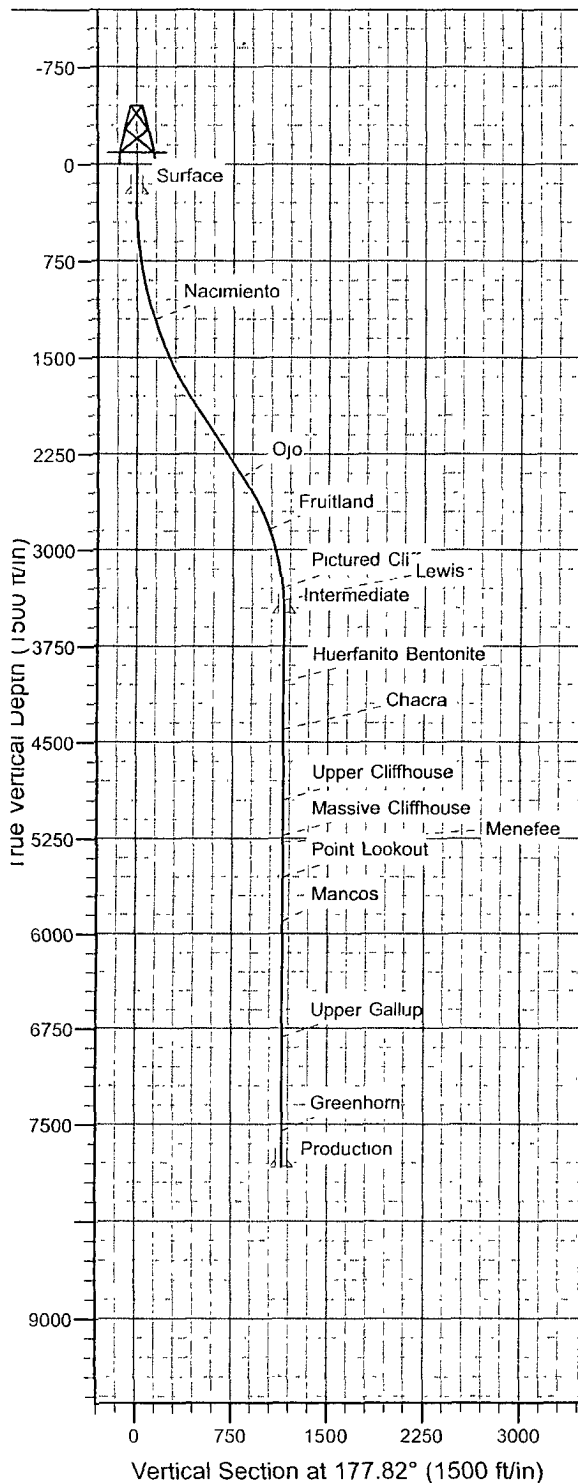
REFERENCE INFORMATION
 RKB @ 6376.0ft (AWS Rigs)
 Ground Elevation 6361.0
 Reference Lat: 36° 49' 11.140 N
 Reference Long: 107° 25' 15.278 W

Project: San Juan Basin - New Mexico west
 Site: San Juan 30 Wells
 Well: SJ 30-6 #41N
 Wellbore: Principal Wellbore
 Design: Plan #1

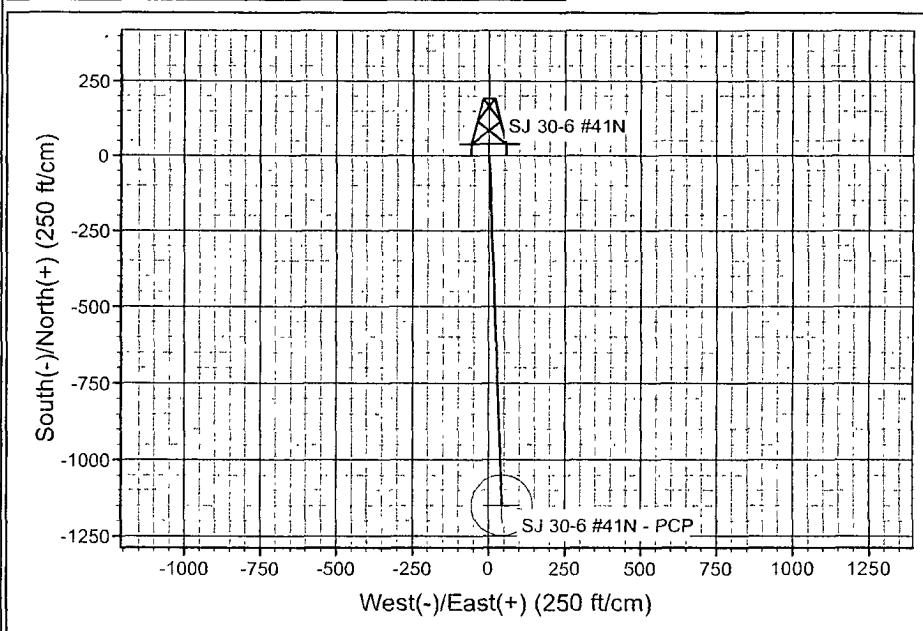
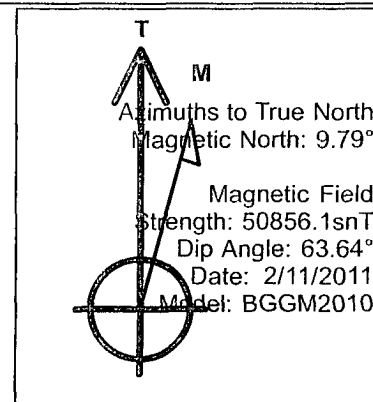


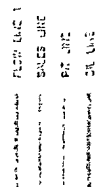
SECTION DETAILS

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	2001.5	33.63	177.82	1906.6	-479.1	18.2	2.00	177.82	479.5	
4	2635.2	33.63	177.82	2434.3	-829.9	31.5	0.00	0.00	830.5	
5	3756.2	0.00	0.00	3492.0	-1149.3	43.7	3.00	180.00	1150.1	SJ 30-6 #41N - ICP
6	8098.2	0.00	0.00	7834.0	-1149.3	43.7	0.00	0.00	1150.1	SJ 30-6 #41N - PCP



FORMATION TOP DETAILS		
TVDPath	MDPath	Formation
1202.0	1216.6	Nacimiento
2431.0	2631.3	Ojo
2535.0	2753.8	Kirtland
2687.0	2925.3	Stage Tool
2838.0	3088.7	Fruitland
3294.0	3557.9	Pictured Cliffs
3392.0	3656.2	Lewis
4028.0	4292.2	Huerfano Bentonite
4402.0	4666.2	Chacra
4949.0	5213.2	Upper Cliffhouse
5228.0	5492.2	Massive Cliffhouse
5278.0	5542.2	Menefee
5552.0	5816.2	Point Lookout
5905.0	6169.2	Mancos
6820.0	7084.2	Upper Gallup
7552.0	7816.2	Greenhorn
7606.0	7870.2	Graneros
7722.0	7986.2	Two Wells
7727.0	7991.2	Paguate
7734.0	7998.2	Upper Cubero
7774.0	8038.2	Lower Cubero
7834.0	8098.2	Encinal





25-15345

[illegible]

BURLINGTON RESOURCES OIL & GAS COMPANY LP

SAN JUAN 30-6 UNIT #41N

35' FNL & 501' FWL

LOCATED IN THE NW/4 NW/4 OF SECTION 13,

T30N, R6W, N.M.P.M.,

RIO ARriba COUNTY, NEW MEXICO

DIRECTIONS

- 1) FROM POST OFFICE IN BLANCO TRAVEL EAST ON HIGHWAY 64 FOR 29 MILES TO HIGHWAY 527.
- 2) TRAVEL NORTH IN HIGHWAY 527 FOR 8.0 MILES TO ROSA ROAD.
- 3) TURN RIGHT ON TO THE MAIN DIRT ROAD AND TRAVEL 6.4 MILES.
- 4) TURN RIGHT AND TRAVEL 1.0 MILE.
- 5) TURN RIGHT AND TRAVEL 0.3 MILES.
- 6) TURN RIGHT AND TRAVEL 0.3 MILES TO THE FLAGGED ACCESS ON THE RIGHT.

WELL FLAG LOCATED AT LAT. 36.81977° N, LONG. 107.42151° W (NAD 83).

