

Submit 3 Copies To Appropriate District
Office
District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Ave., 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 and Natural Resources

Form C-103
Jun 19, 2008

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

WELL API NO. 30-045-35186
5. Indicate Type of Lease STATE ☒ FEE ☐
6. State Oil & Gas Lease No. E-3148-20
7. Lease Name or Unit Agreement Name Brookhaven Com
8. Well Number 7B
9. OGRID Number 14538
10. Pool name or Wildcat Basin Dakota/Blanco MV/Basin Mancos

SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS)	
1. Type of Well: Oil Well ☐ Gas Well ☒ Other	
2. Name of Operator Burlington Resources Oil Gas Company LP	
3. Address of Operator P.O. Box 4289, Farmington, NM 87499-4289	
4. Well Location Unit Letter H : 1689 feet from the North line and 931 feet from the East line Section 36 Township 27N Range 8W NMPM San Juan County	
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 5991' GR	

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK ☐	PLUG AND ABANDON ☐	REMEDIAL WORK ☐	ALTERING CASING ☐
TEMPORARILY ABANDON ☐	CHANGE PLANS ☒	COMMENCE DRILLING OPNS. ☐	P AND A ☐
PULL OR ALTER CASING ☐	MULTIPLE COMPL ☐	CASING/CEMENT JOB ☐	
DOWNHOLE COMMINGLE ☐			
OTHER: Add BH ☒		OTHER: ☐	

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

For anti-collision issues with the twinned well on the same location, Burlington Resources is now proposing to use directional tools and nudge this well. The BH location will be: UL "H" (SENE), 1813' FNL & 775' FEL. Attached is the new Project Proposal, Directional Plan, and C-102.

RCVD NOV 2 '12
OIL CONS. DIV.

Spud Date:

Rig Released Date:

DIST. 3

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Denise Journey TITLE Regulatory Technician DATE 10/31/12

Type or print name Denise Journey E-mail address Denise.Journey@conocophillips.com PHONE: 505-326-9556

For State Use Only

APPROVED BY: Will F. Hays TITLE Deputy Oil & Gas Inspector, District #3 DATE NOV 09 2012
Conditions of Approval (if any): AV...

Hold C104

for Directional Survey
and "As Drilled" plat

Hold C104
for Directional Survey
and "As Drilled" plat

PC

District I

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State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

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 30-045-35186	² Pool Code 72319/71599/97232	³ Pool Name BLANCO MESAVERDE / BASIN DAKOTA / BASIN MANCOS
⁴ Property Code 68493	⁵ Property Name BROOKHAVEN COM	⁶ Well Number 7B
⁷ OGRID No. 14538	⁸ Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY LP	⁹ Elevation 5991

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
H	36	27-N	8-W		1689	NORTH	931	EAST	SAN JUAN

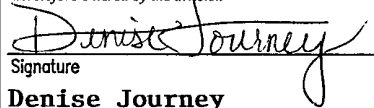
¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
H	36	27-N	8-W		1813	NORTH	775	EAST	SAN JUAN

¹² Dedicated Acres 320.0	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.	RCVD NOV 2 '12 OIL CONS. DIV.
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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

DIST. 3

¹⁶ BLM 1955 S 89°50'10" W WEST NM-E-4487-4 WELL FLAG NAD 83 LAT: 36.532224° N LONG: 107.628720° W NAD 27 LAT: 36°31.932883° N LONG: 107°37.686698° W BOTTOM HOLE NAD 83 LAT: 36.531885° N LONG: 107.628187° W NAD 27 LAT: 36°31.912555° N LONG: 107°37.654689° W BASIS OF BEARING IS THE NEW MEXICO STATE PLANE COORDINATE SYSTEM, WEST ZONE, NAD83 AS DETERMINED BY GPS OBSERVATION AND NGS/OPUS SOLUTION.	2749.1' (M) 2750.9' (R) 1689' 1813' 2649.4' (M) 2646.3' (R)	SET AC #11393 931' 775' N 0°16'32" E N 0°22' E BLM 1955	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 Denise Journey Printed Name Denise.Journey@conocophillips.com Title and E-mail Address 10/31/12 Date	
	E/2 DEDICATED ACRES SECTION 36, T-27-N, R-8-W NM-E-3148-20 NM-B-11125-90	NM-E-4501-4 200' S51°55'19"E	NM-E-4487-4 200' S51°55'19"E	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: 12/08/09 Signature and Seal of Professional Surveyor: 
	NM-B-11125-87 NM-B-11125-93			Certificate Number: NM 11393

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

BROOKHAVEN COM 7B

DEVELOPMENT

Lease:		AFE #: WAN.CDR.9406				AFE \$:	
Field Name: SAN JUAN		Rig: Aztec Rig 711		State: NM	County: SAN JUAN		API #: 3004535186
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)						
RCO085	MANCOS(RCO085)						
FRR	BASIN DAKOTA (PRORATED GAS)						
Location: Surface							
Datum Code: NAD 27		Directional					
Latitude: 36.532215	Longitude: -107.628111	X:	Y:	Section: 36		Range: 008W	
Footage X: 931 FEL	Footage Y: 1689 FNL	Elevation: 5991	(FT)	Township: 027N			
Tolerance:							
Location: Bottom Hole							
Datum Code: NAD 27		Directional					
Latitude: 36.531870	Longitude: -107.627576	X:	Y:	Section: 36		Range: 008W	
Footage X: 775 FEL	Footage Y: 1813 FNL	Elevation:	(FT)	Township: 027N			
Tolerance:							
Location Type: Year Round		Start Date (Est.): 1/1/2013		Completion Date:		Date In Operation:	
Formation Data: Assume KB = 6006 Units = FT							
Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	MD (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks
Surface Casing	200	5806		☐			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	1318	4688		☐			
KIRTLAND	1454	4552		☐			
FRUITLAND	1750	4256		☐			Possible Gas
PICTURED CLIFFS	2124	3882		☐			
LEWIS	2257	3749		☐			
Intermediate Casing	2357	3649		☐	103		8 3/4" Hole. 7", 23 ppf, J-55, LTC Casing. Cement with 628 cuft. Circulate cement to surface.
HUERFANITO BENTONITE	2603	3403		☐			
CHACRA	3032	2974		☐			
UPPER CLIFF HOUSE	3711	2295		☐			Gas; Est. Top Perf - 3713 (2293)
MASSIVE CLIFF HOUSE	3814	2192		☐	450		Gas; Cliffhouse is wet
MENEFEE	3830	2176		☐			
POINT LOOKOUT	4423	1583		☐			
MANCOS	4754	1252		☐			
UPPER GALLUP	5568	438		☐			
GREENHORN	6378	-372		☐			
GRANEROS	6434	-428		☐			
TWO WELLS	6501	-495		☐	2846		Gas
PAGUATE	6513	-507		☐			
UPPER CUBERO	6583	-577		☐			
LOWER CUBERO	6606	-600		☐			Est. Btm Perf - 6646 (-640) based on offset wells

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

BROOKHAVEN COM 7B

DEVELOPMENT

ENCINAL	6668	-662	☐	TD - 20' below T/ENCN
Total Depth	6688	-682	☐	191 6-1/4" hole, 4-1/2" 11.6 ppf, L-80, LTC casing. Cement w/ 589 cuft. Circulate cement a minimum of 100' inside the previous casing string.

Reference Wells:		
Reference Type	Well Name	Comments
Production	Lively 21	27N 7W 31 SW NW SW
Production	Lively 21N	27N 7W 31 NE SW SW
Production	Lively 21E	27N 7W 31 SE NW NW

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

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 SJB

San Juan Basin - New Mexico West Wells

Other Named Wells

Brookhaven Com #7B

Wellbore #1

Plan: Design #1

Standard Planning Report

22 October, 2012

ConocoPhillips

Planning Report

Database:	EDM Central Planning	Local Co-ordinate Reference:	Well Brookhaven Com #7B
Company:	ConocoPhillips SJB	TVD Reference:	WELL @ 6006 0usft (Original Well Elev)
Project:	San Juan Basin - New Mexico West Wells	MD Reference:	WELL @ 6006 0usft (Original Well Elev)
Site:	Other Named Wells	North Reference:	Grid
Well:	Brookhaven Com #7B	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

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

Site	Other Named Wells			
Site Position:		Northing:	2,108,178.26 usft	Latitude: 36° 47' 33.793 N
From:	Lat/Long	Easting:	643,887.63 usft	Longitude: 107° 20' 30.932 W
Position Uncertainty:	15 0 usft	Slot Radius:	6-1/8"	Grid Convergence: 0 29 °

Well	Brookhaven Com #7B			
Well Position	+N/-S	0 0 usft	Northing:	2,013,038.70 usft
	+E/-W	0 0 usft	Easting:	560,292.99 usft
Position Uncertainty		0 0 usft	Wellhead Elevation:	usft
				Ground Level: 5,991.0 usft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	BGGM2012	10/19/2012	9.65	63.26	50,458

Design	Design #1			
Audit Notes:				
Version:	Phase:	PROTOTYPE	Tie On Depth:	0 0
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.0	0 0	0 0	127.99

Plan Sections										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	TFO (°)	Target
0 0	0 00	0.00	0 0	0 0	0 0	0 00	0 00	0 00	0.00	
500 0	0 00	0.00	500 0	0 0	0 0	0 00	0 00	0 00	0 00	
1,039.7	10.79	127.99	1,036.5	-31.2	39.9	2 00	2 00	0 00	127.99	
1,656.4	10.79	127.99	1,642.3	-102.3	131.0	0 00	0 00	0 00	0 00	
2,016.2	0 00	0 00	2,000.0	-123.1	157.6	3 00	-3 00	0 00	180.00	
2,373.2	0 00	0 00	2,357.0	-123.1	157.6	0 00	0 00	0 00	0 00	Brookhaven Com #7E
6,704.2	0 00	0 00	6,688.0	-123.1	157.6	0 00	0 00	0 00	0 00	Brookhaven Com #7E

ConocoPhillips

Planning Report

Database:	EDM Central Planning	Local Co-ordinate Reference:	Well Brookhaven Com #7B
Company:	ConocoPhillips SJB	TVD Reference:	WELL @ 6006 0usft (Original Well Elev)
Project:	San Juan Basin - New Mexico West Wells	MD Reference:	WELL @ 6006 0usft (Original Well Elev)
Site:	Other Named Wells	North Reference:	Grid
Well:	Brookhaven Com #7B	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
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
300 0	0 00	0 00	300 0	0 0	0 0	0 0	0 00	0 00	0 00
400 0	0 00	0 00	400 0	0 0	0 0	0 0	0 00	0 00	0 00
500 0	0 00	0 00	500 0	0 0	0 0	0 0	0 00	0 00	0 00
600 0	2 00	127 99	600 0	-1 1	1 4	1 7	2 00	2 00	0 00
700 0	4 00	127 99	699 8	-4 3	5 5	7 0	2 00	2 00	0 00
800 0	6 00	127 99	799 5	-9 7	12 4	15 7	2 00	2 00	0 00
900 0	8 00	127 99	898 7	-17 2	22 0	27 9	2 00	2 00	0 00
1,000 0	10 00	127 99	997 5	-26 8	34 3	43 5	2 00	2 00	0 00
1,039 7	10 79	127 99	1,036 5	-31 2	39 9	50 7	2 00	2 00	0 00
1,100 0	10 79	127 99	1,095 7	-38 2	48 8	62 0	0 00	0 00	0 00
1,200 0	10 79	127 99	1,194 0	-49 7	63 6	80 7	0 00	0 00	0 00
1,300 0	10 79	127 99	1,292 2	-61 2	78 4	99 4	0 00	0 00	0 00
1,326 3	10 79	127 99	1,318 0	-64 2	82 2	104 4	0 00	0 00	0 00
OJO ALAMO									
1,400 0	10 79	127 99	1,390 4	-72 7	93 1	118 2	0 00	0 00	0 00
1,464 7	10 79	127 99	1,454 0	-80 2	102 7	130 3	0 00	0 00	0 00
KIRTLAND									
1,500 0	10 79	127 99	1,488 7	-84 3	107 9	136 9	0 00	0 00	0 00
1,600 0	10 79	127 99	1,586 9	-95 8	122 6	155 6	0 00	0 00	0 00
1,656 4	10 79	127 99	1,642 3	-102 3	131 0	166 2	0 00	0 00	0 00
1,700 0	9 49	127 99	1,685 2	-107 0	137 0	173 9	3 00	-3 00	0 00
1,765 5	7 52	127 99	1,750 0	-113 0	144 6	183 5	3 00	-3 00	0 00
FRUITLAND									
1,800 0	6 49	127 99	1,784 2	-115 6	148 0	187 8	3 00	-3 00	0 00
1,900 0	3 49	127 99	1,883 8	-120 9	154 8	196 4	3 00	-3 00	0 00
2,000 0	0 49	127 99	1,983 8	-123 1	157 5	199 9	3 00	-3 00	0 00
2,016 2	0 00	0 00	2,000 0	-123 1	157 6	200 0	3 00	-3 00	0 00
2,100 0	0 00	0 00	2,083 8	-123 1	157 6	200 0	0 00	0 00	0 00
2,140 2	0 00	0 00	2,124 0	-123 1	157 6	200 0	0 00	0 00	0 00
PICTURED CLIFFS									
2,200 0	0 00	0 00	2,183 8	-123 1	157 6	200 0	0 00	0 00	0 00
2,273 2	0 00	0 00	2,257 0	-123 1	157 6	200 0	0 00	0 00	0 00
LEWIS									
2,300 0	0 00	0 00	2,283 8	-123 1	157 6	200 0	0 00	0 00	0 00
2,373 2	0 00	0 00	2,357 0	-123 1	157 6	200 0	0 00	0 00	0 00
2,400 0	0 00	0 00	2,383 8	-123 1	157 6	200 0	0 00	0 00	0 00
2,500 0	0 00	0 00	2,483 8	-123 1	157 6	200 0	0 00	0 00	0 00
2,600 0	0 00	0 00	2,583 8	-123 1	157 6	200 0	0 00	0 00	0 00
2,619 2	0 00	0 00	2,603 0	-123 1	157 6	200 0	0 00	0 00	0 00
HUERFANITO BENTONITE									
2,700 0	0 00	0 00	2,683 8	-123 1	157 6	200 0	0 00	0 00	0 00
2,800 0	0 00	0 00	2,783 8	-123 1	157 6	200 0	0 00	0 00	0 00
2,900 0	0 00	0 00	2,883 8	-123 1	157 6	200 0	0 00	0 00	0 00
3,000 0	0 00	0 00	2,983 8	-123 1	157 6	200 0	0 00	0 00	0 00
3,048 2	0 00	0 00	3,032 0	-123 1	157 6	200 0	0 00	0 00	0 00
CHACRA									
3,100 0	0 00	0 00	3,083 8	-123 1	157 6	200 0	0 00	0 00	0 00
3,200 0	0 00	0 00	3,183 8	-123 1	157 6	200 0	0 00	0 00	0 00
3,300 0	0 00	0 00	3,283 8	-123 1	157 6	200 0	0 00	0 00	0 00
3,400 0	0 00	0 00	3,383 8	-123 1	157 6	200 0	0 00	0 00	0 00

ConocoPhillips

Planning Report

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Site:	Other Named Wells	North Reference:	Grid
Well:	Brookhaven Com #7B	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
3,500.0	0.00	0.00	3,483.8	-123.1	157.6	200.0	0.00	0.00	0.00
3,600.0	0.00	0.00	3,583.8	-123.1	157.6	200.0	0.00	0.00	0.00
3,700.0	0.00	0.00	3,683.8	-123.1	157.6	200.0	0.00	0.00	0.00
3,727.2	0.00	0.00	3,711.0	-123.1	157.6	200.0	0.00	0.00	0.00
UPPER CLIFF HOUSE									
3,800.0	0.00	0.00	3,783.8	-123.1	157.6	200.0	0.00	0.00	0.00
3,830.2	0.00	0.00	3,814.0	-123.1	157.6	200.0	0.00	0.00	0.00
MASSIVE CLIFF HOUSE									
3,846.2	0.00	0.00	3,830.0	-123.1	157.6	200.0	0.00	0.00	0.00
MENEFFEE									
3,900.0	0.00	0.00	3,883.8	-123.1	157.6	200.0	0.00	0.00	0.00
4,000.0	0.00	0.00	3,983.8	-123.1	157.6	200.0	0.00	0.00	0.00
4,100.0	0.00	0.00	4,083.8	-123.1	157.6	200.0	0.00	0.00	0.00
4,200.0	0.00	0.00	4,183.8	-123.1	157.6	200.0	0.00	0.00	0.00
4,300.0	0.00	0.00	4,283.8	-123.1	157.6	200.0	0.00	0.00	0.00
4,400.0	0.00	0.00	4,383.8	-123.1	157.6	200.0	0.00	0.00	0.00
4,439.2	0.00	0.00	4,423.0	-123.1	157.6	200.0	0.00	0.00	0.00
POINT LOOKOUT									
4,500.0	0.00	0.00	4,483.8	-123.1	157.6	200.0	0.00	0.00	0.00
4,600.0	0.00	0.00	4,583.8	-123.1	157.6	200.0	0.00	0.00	0.00
4,700.0	0.00	0.00	4,683.8	-123.1	157.6	200.0	0.00	0.00	0.00
4,770.2	0.00	0.00	4,754.0	-123.1	157.6	200.0	0.00	0.00	0.00
MANCOS									
4,800.0	0.00	0.00	4,783.8	-123.1	157.6	200.0	0.00	0.00	0.00
4,900.0	0.00	0.00	4,883.8	-123.1	157.6	200.0	0.00	0.00	0.00
5,000.0	0.00	0.00	4,983.8	-123.1	157.6	200.0	0.00	0.00	0.00
5,100.0	0.00	0.00	5,083.8	-123.1	157.6	200.0	0.00	0.00	0.00
5,200.0	0.00	0.00	5,183.8	-123.1	157.6	200.0	0.00	0.00	0.00
5,300.0	0.00	0.00	5,283.8	-123.1	157.6	200.0	0.00	0.00	0.00
5,400.0	0.00	0.00	5,383.8	-123.1	157.6	200.0	0.00	0.00	0.00
5,500.0	0.00	0.00	5,483.8	-123.1	157.6	200.0	0.00	0.00	0.00
5,584.2	0.00	0.00	5,568.0	-123.1	157.6	200.0	0.00	0.00	0.00
UPPER GALLUP									
5,600.0	0.00	0.00	5,583.8	-123.1	157.6	200.0	0.00	0.00	0.00
5,700.0	0.00	0.00	5,683.8	-123.1	157.6	200.0	0.00	0.00	0.00
5,800.0	0.00	0.00	5,783.8	-123.1	157.6	200.0	0.00	0.00	0.00
5,900.0	0.00	0.00	5,883.8	-123.1	157.6	200.0	0.00	0.00	0.00
6,000.0	0.00	0.00	5,983.8	-123.1	157.6	200.0	0.00	0.00	0.00
6,100.0	0.00	0.00	6,083.8	-123.1	157.6	200.0	0.00	0.00	0.00
6,200.0	0.00	0.00	6,183.8	-123.1	157.6	200.0	0.00	0.00	0.00
6,300.0	0.00	0.00	6,283.8	-123.1	157.6	200.0	0.00	0.00	0.00
6,394.2	0.00	0.00	6,378.0	-123.1	157.6	200.0	0.00	0.00	0.00
GREENHORN									
6,400.0	0.00	0.00	6,383.8	-123.1	157.6	200.0	0.00	0.00	0.00
6,450.2	0.00	0.00	6,434.0	-123.1	157.6	200.0	0.00	0.00	0.00
GRANEROS									
6,500.0	0.00	0.00	6,483.8	-123.1	157.6	200.0	0.00	0.00	0.00
6,517.2	0.00	0.00	6,501.0	-123.1	157.6	200.0	0.00	0.00	0.00
TWO WELLS									
6,529.2	0.00	0.00	6,513.0	-123.1	157.6	200.0	0.00	0.00	0.00
PAGUATE									
6,599.2	0.00	0.00	6,583.0	-123.1	157.6	200.0	0.00	0.00	0.00

ConocoPhillips

Planning Report

Database:	EDM Central Planning	Local Co-ordinate Reference:	Well Brookhaven Com #7B
Company:	ConocoPhillips SJB	TVD Reference:	WELL @ 6006 0usft (Original Well Elev)
Project:	San Juan Basin - New Mexico West Wells	MD Reference:	WELL @ 6006 0usft (Original Well Elev)
Site:	Other Named Wells	North Reference:	Grd
Well:	Brookhaven Com #7B	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
UPPER CUBERO									
6,600 0	0 00	0 00	6,583 8	-123.1	157 6	200 0	0 00	0 00	0 00
6,622 2	0 00	0 00	6,606 0	-123 1	157 6	200 0	0 00	0 00	0 00
LOWER CUBERO									
6,684 2	0 00	0 00	6,668 0	-123 1	157 6	200 0	0 00	0 00	0 00
ENCINAL									
6,700 0	0 00	0 00	6,683 8	-123.1	157 6	200 0	0 00	0 00	0 00
6,704 2	0 00	0 00	6,688 0	-123 1	157 6	200 0	0 00	0 00	0 00

Targets									
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
- hit/miss target									
- Shape									
Brookhaven Com #7B P-	0 00	0 00	6,688 0	-123 1	157 6	2,012,915.61	560,450 57	36° 31' 54.752 N	107° 37' 39.274 W
- plan hits target center									
- Point									
Brookhaven Com #7B IC	0 00	0 00	2,357 0	-123.1	157 6	2,012,915 61	560,450 57	36° 31' 54.752 N	107° 37' 39.274 W
- plan hits target center									
- Point									

Formations						
Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)	
6,450 2	6,434 0	GRANEROS		0.00		
2,140 2	2,124 0	PICTURED CLIFFS		0 00		
3,048 2	3,032 0	CHACRA		0 00		
4,439 2	4,423 0	POINT LOOKOUT		0 00		
6,599 2	6,583 0	UPPER CUBERO		0.00		
5,584 2	5,568 0	UPPER GALLUP		0 00		
1,464 7	1,454 0	KIRTLAND		0 00		
6,394 2	6,378 0	GREENHORN		0 00		
3,846 2	3,830 0	MENEFEE		0 00		
6,517 2	6,501 0	TWO WELLS		0 00		
4,770 2	4,754 0	MANCOS		0 00		
3,830 2	3,814 0	MASSIVE CLIFF HOUSE		0 00		
2,619 2	2,603 0	HUERFANITO BENTONITE		0 00		
6,684 2	6,668 0	ENCINAL		0 00		
1,326 3	1,318 0	OJO ALAMO		0 00		
1,765 5	1,750 0	FRUITLAND		0 00		
2,273 2	2,257 0	LEWIS		0 00		
6,622 2	6,606 0	LOWER CUBERO		0 00		
3,727 2	3,711 0	UPPER CLIFF HOUSE		0 00		
6,529 2	6,513 0	PAGUATE		0.00		

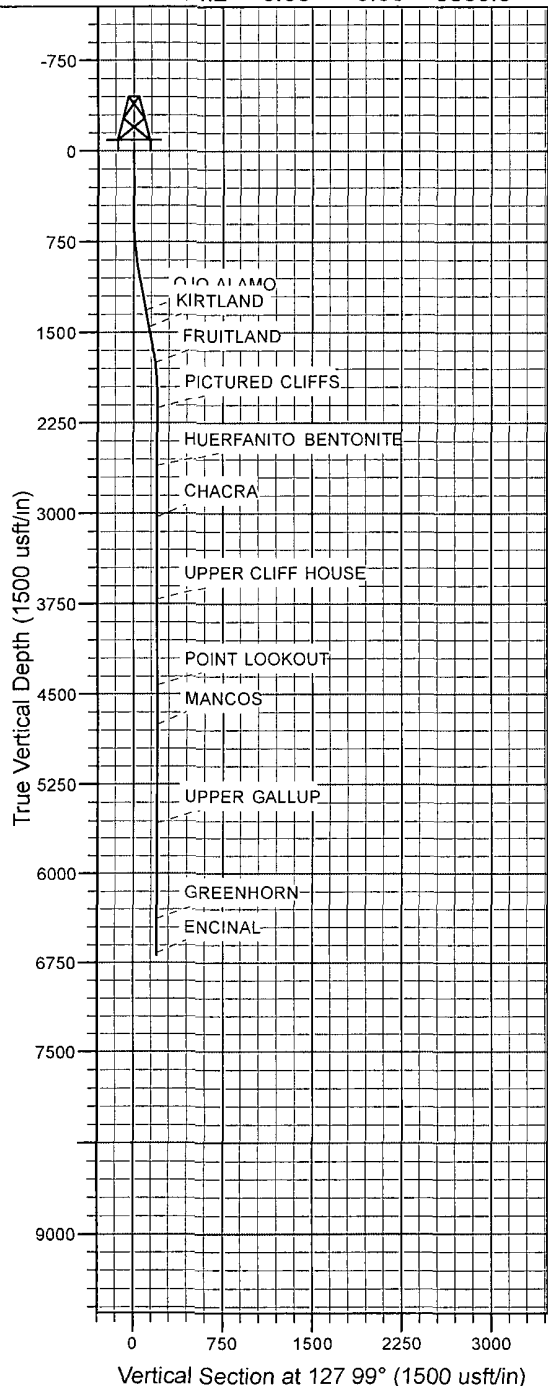
REFERENCE INFORMATION

WELL @ 6006.0usft (Original Well Elev)
Ground Elevation 5991.0
Reference Lat: 36° 31' 55.973 N
Reference Long: 107° 37' 41.202 W

Project: San Juan Basin - New Mexico West V
Site: Other Named Wells
Well: Brookhaven Com #7B
Wellbore: Wellbore #1
Design: Design #1

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	500.0	0.00	0.00	500.0	0.0	0.0	0.00	0.00	0.0	
3	1039.7	10.79	127.99	1036.5	-31.2	39.9	2.00	127.99	50.7	
4	1656.4	10.79	127.99	1642.3	-102.3	131.0	0.00	0.00	166.2	
5	2016.2	0.00	0.00	2000.0	-123.1	157.6	3.00	180.00	200.0	
6	2373.2	0.00	0.00	2357.0	-123.1	157.6	0.00	0.00	200.0	Brookhaven Com #7B ICP
7	6704.2	0.00	0.00	6688.0	-123.1	157.6	0.00	0.00	200.0	Brookhaven Com #7B PCP



FORMATION TOP DETAILS

TVDPath	MDPath	Formation
1318.0	1326.3	OJO ALAMO
1454.0	1464.7	KIRTLAND
1750.0	1765.5	FRUITLAND
2124.0	2140.2	PICTURED CLIFFS
2257.0	2273.2	LEWIS
2603.0	2619.2	HUERFANITO BENTONITE
3032.0	3048.2	CHACRA
3711.0	3727.2	UPPER CLIFF HOUSE
3814.0	3830.2	MASSIVE CLIFF HOUSE
3830.0	3846.2	MENEFEE
4423.0	4439.2	POINT LOOKOUT
4754.0	4770.2	MANCOS
5568.0	5584.2	UPPER GALLUP
6378.0	6394.2	GREENHORN
6434.0	6450.2	GRANEROS
6501.0	6517.2	TWO WELLS
6513.0	6529.2	PAGUATE
6583.0	6599.2	UPPER CUBERO
6606.0	6622.2	LOWER CUBERO
6668.0	6684.2	ENCINAL

