

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

FEB 17 2011

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

Farmington Field Office

1a. Type of Work DRILL	5. Lease Number USA SF-078118A Unit Reporting Number NMNM 73353 (MV)
1b. Type of Well GAS	6. If Indian, All. or Tribe
2. Operator BURLINGTON RESOURCES Oil & Gas Company, LP	7. Unit Agreement Name RCUD APR 13'11 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 Johns 9. Well Number 1B
4. Location of Well Surface: Unit G(SWNE), 1690' FNL & 2205' FEL Bottomhole: Unit F(SENW), 1900' FNL & 1861' FWL Surface: Latitude: 36.9733603° N (NAD83) Longitude: 108.0276011° W Bottomhole: Latitude: 36.9727889° N (NAD83) Longitude: 108.0316580° W	10. Field, Pool, Wildcat Basin DK/Blanco MV 11. Sec., Twn, Rge, Mer. (NMPM) Sec. 19, T32N, R11W API # 30-045- 35253
14. Distance in Miles from Nearest Town 15 Miles from Aztec, NM	12. County San Juan
	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 779'	
16. Acres in Lease 120 Acres	17. Acres Assigned to Well 311.4 Acres (DK/MV) W/2
18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease 351' from Williams Production Company-New Mexico 32-11 Com 2C (MV)	
19. Proposed Depth 7847'	20. Rotary or Cable Tools Rotary
21. Elevations (DF, FT, GR, Etc.) 6582' GL	22. Approx. Date Work will Start
23. Proposed Casing and Cementing Program See Operations Plan attached	
24. Authorized by: <u>Brandie Blakley</u> Brandie Blakley (Staff Regulatory Technician)	<u>2-16-11</u> Date

Hold C104
for Directional Survey
and "As Drilled" plat

PERMIT NO. _____ APPROVAL DATE _____
APPROVED BY [Signature] TITLE AFM DATE 4/7/11

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

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

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

APR 20 2011

[Signature]

NMOCN

BLM'S APPROVAL AND ACCEPTANCE OF THIS ACTION DOES NOT RELIEVE THE LESSEE AND OPERATOR FROM OBTAINING ANY OTHER AUTHORIZATION REQUIRED FOR OPERATIONS ON FEDERAL AND INDIAN LANDS

RECEIVED

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

Form C-102
Revised October 15, 2009
Submit one copy to appropriate District Office
FEB 17 2010
Farmington Field Office
Bureau of Land Management
 AMENDED REPORT

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

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-045-35253	² Pool Code 71599 / 72319	³ Pool Name BLANCO BASIN DAKOTA / MESA VERDE
⁴ Property Code 18561	⁵ Property Name JOHNS	⁶ Well Number IB
⁷ OGRID No. 14538	⁸ Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY LP	⁹ Elevation 6582

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
G	19	32 N	11 W		1690	NORTH	2205	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
F	19	32 N	11 W		1900	NORTH	1861	WEST	SAN JUAN

¹² Dedicated Acres 311.4 (W/2) DK/MV	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

<p>¹⁶ S 89°45'13" E 2627.05'</p> <p>LOT 1 F.J. DAL SANT</p> <p>2621.23'</p> <p>LOT 2 1861'</p> <p>N 1°50'51" W</p> <p>2639.34' (R)</p> <p>LOT 3 H.A. HUBBARD ET UX</p> <p>N 0°01' W</p> <p>N 89°38' W 2569.38' (R)</p>	<p>2627.05'</p> <p>1900'</p> <p>1861'</p> <p>USA SF-078118-A SECTION 19</p> <p>BOTTOM HOLE LOCATION LAT: 36.9727889° N LONG: 108.0316580° W NAD 83 LAT: 36°58.36722' N LONG: 108°01.86197' W NAD 27</p>	<p>S 89°48'16" E 2696.86'</p> <p>USA SF-078118</p> <p>2205'</p> <p>S 80°09'38" W 1203.20'</p> <p>1690'</p> <p>USA NM-010910</p> <p>SURFACE LAT: 36.9733603° N LONG: 108.0276011° W NAD 83 LAT: 36°58.40151' N LONG: 108°01.61857' W NAD 27</p> <p>NOTE: BEARINGS & DISTANCES SHOWN ARE REFERENCED TO THE NEW MEXICO COORDINATE SYSTEM, WEST ZONE, NAD 83.</p> <p>N 89°30'03" W 2645.39'</p>	<p>¹⁷ OPERATOR CERTIFICATION</p> <p>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.</p> <p><i>Dollie L. Busse</i> 5/7/10 Signature Date Dollie L. Busse Printed Name</p>
			<p>¹⁸ SURVEYOR CERTIFICATION</p> <p>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.</p> <p>4/16/10 Date of Survey Signature and Seal of Professional Surveyor <i>Marshall W. Lindeen</i> MARSHALL W. LINDEEN NEW MEXICO LICENSED PROFESSIONAL SURVEYOR 17078 Certificate Number</p>
			<p>2643.22'</p> <p>2638.78'</p> <p>2645.39'</p>
			<p>S 0°18'46" W</p> <p>S 0°23'38" W</p>

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

JOHNS 1B

DEVELOPMENT

Lease:		AFE #: WAN.CDR.9427			AFE \$: 908,151.51	
Field Name: SAN JUAN		Rig: XXX 2013 Holding Rig		State: NM	County: SAN JUAN	
Geologist:		Phone:		Geophysicist:		Phone:
Geoscientist:		Phone:		Prod. Engineer:		Phone:
Res. Engineer:		Phone:		Proj. Field Lead:		Phone:
Primary Objective (Zones):						
Zone	Zone Name					
FRR	BASIN DAKOTA (PRORATED GAS)					
RON	BLANCO MESAVERDE (PRORATED GAS)					
Location: Surface Datum Code: NAD 27 Directional						
Latitude: 36.973358	Longitude: -108.026976	X:	Y:	Section: 19	Range: 011W	
Footage X: 2205 FEL	Footage Y: 1690 FNL	Elevation: 6582	(FT)	Township: 032N		
Tolerance:						
Location: Bottom Hole Datum Code: NAD 27 Directional						
Latitude: 36.972787	Longitude: -108.031033	X:	Y:	Section: 19	Range: 011W	
Footage X: 1861 FWL	Footage Y: 1900 FNL	Elevation:	(FT)	Township: 032N		
Tolerance:						
Location Type: Year Round		Start Date (Est.): 1/1/2013		Completion Date:		Date In Operation:
Formation Data: Assume KB = 6597 Units = FT						
Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	MD (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT
Surface Casing	200	6397		<input type="checkbox"/>		
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	1023	5574		<input type="checkbox"/>		
KIRTLAND	1085	5512		<input type="checkbox"/>		
FRUITLAND	2524	4073		<input type="checkbox"/>		Possible Gas
PICTURED CLIFFS	3186	3411		<input type="checkbox"/>		
LEWIS	3301	3296		<input type="checkbox"/>		
Intermediate Casing	3401	3196		<input type="checkbox"/>		
117 8 3/4" Hole. 7", 23 ppf, J-55, LTC Casing. Cement with 828 cuft. Circulate cement to surface.						
HUERFANITO BENTONITE	3865	2732		<input type="checkbox"/>		
CHACRA	4335	2262		<input type="checkbox"/>		
UPPER CLIFF HOUSE	4756	1841		<input type="checkbox"/>		Gas; Est. Top Perf - 4758 (1839)
MASSIVE CLIFF HOUSE	4991	1606		<input type="checkbox"/>	442	Gas
MENEFEE	5091	1506		<input type="checkbox"/>		
POINT LOOKOUT	5477	1120		<input type="checkbox"/>		
MANCOS	5790	807		<input type="checkbox"/>		
UPPER GALLUP	6877	-280		<input type="checkbox"/>		
GREENHORN	7542	-945		<input type="checkbox"/>		
GRANEROS	7601	-1004		<input type="checkbox"/>		
TWO WELLS	7672	-1075		<input type="checkbox"/>	2444	Gas
PAGUATE	7740	-1143		<input type="checkbox"/>		
LOWER CUBERO	7769	-1172		<input type="checkbox"/>		Est. Btm Perf - 7832 (- 1235) based on offset wells
UPPER CUBERO	7769	-1172		<input type="checkbox"/>		

PROJECT PROPOSAL - New Drill / Sidetrack

JOHNS 1B

DEVELOPMENT

ENCINAL	7807	-1210	<input type="checkbox"/>	TD - 40' below T/ENCN
Total Depth	7847	-1250	<input type="checkbox"/>	212 6-1/4" hole, 4-1/2" 11.6 ppf, L-80, LTC casing. Cement w/ 605 cuft. Circulate cement a minimum of 100' inside the previous casing string.

Reference Wells:		
Reference Type	Well Name	Comments
Production	Cox Canyon Unit 7C	32N 11W 17 SW NE SW
Production	NM Com 32-11 1C	32N 11W 20 SE NW SW
Production	Hubbard A 1E	32N 11W 30 NW SE NE
Production	Dalsant 1B	32N 12W 24 SE NW SE

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
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ConocoPhillips or its affiliates
Planning Report

Database:	EDM Central Planning	Local Co-ordinate Reference:	Well Johns #1B
Company:	ConocoPhillips SJB	TVD Reference:	RKB @ 6597.0ft (AWS Drilling Rig)
Project:	San Juan Basin - New Mexico Wells	MD Reference:	RKB @ 6597.0ft (AWS Drilling Rig)
Site:	Other Named Wells	North Reference:	True
Well:	Johns #1B	Survey Calculation Method:	Minimum Curvature
Wellbore:	Original Hole		
Design:	Plan #1		

Project:	San Juan Basin - New Mexico Wells, New Mexico, Directional "S"		
Map System:	US State Plane 1927 (Exact solution)	System Datum:	Mean Sea Level
Goo 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 ft	Latitude:	36° 47' 33.793 N
From:	Lat/Long	Easting:	643,887.63 ft	Longitude:	107° 20' 30.932 W
Position Uncertainty:	15.0 ft	Slot Radius:	6-1/8"	Grid Convergence:	0.29 °

Well:	Johns #1B; Directional S Curve Long Stepout					
Well Position	+N-S	0.0 ft	Northing:	2,173,628.11 ft	Latitude:	36° 58' 24.091 N
	+E-W	0.0 ft	Easting:	443,433.61 ft	Longitude:	108° 1' 37.114 W
Position Uncertainty		3.5 ft	Wellhead Elevation:	ft	Ground Level:	6,582.0 ft

Wellbore:	Original Hole				
Magnetics	Model Name	Sample Date	Declination	Dip Angle	Field Strength
	BGGM2010	8/10/2010	(°) 10.13	(°) 63.67	(nT) 50,917

Design:	Plan #1			
Audit Notes:				
Version:	1	Phase:	PROTOTYPE	Tie On Depth: 0.0
Vertical Section:	Depth From (TVD)	+N-S	+E-W	Direction
	(ft)	(ft)	(ft)	(°)
	0.0	0.0	0.0	260.04

Plan Sections										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N-S (ft)	+E-W (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
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	
1,338.9	30.57	260.04	1,291.3	-45.9	-261.4	3.00	3.00	0.00	260.04	
2,661.1	30.57	260.04	2,429.7	-162.2	-923.7	0.00	0.00	0.00	0.00	
3,680.1	0.00	0.00	3,401.0	-208.1	-1,185.1	3.00	-3.00	0.00	180.00	Johns #1B ICP
8,126.1	0.00	0.00	7,847.0	-208.1	-1,185.1	0.00	0.00	0.00	0.00	Johns #1B PCP

ConocoPhillips or its affiliates
Planning Report

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Project:	San Juan Basin - New Mexico Wells	MD Reference:	RKB @ 6597.0ft (AWS Drilling Rig)
Site:	Other Named Wells	North Reference:	True
Well:	Johns #1B	Survey Calculation Method:	Minimum Curvature
Wellbore:	Original Hole		
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	
215.0	0.00	0.00	215.0	0.0	0.0	0.0	0.00	0.00	0.00	
Surface Shoe										
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	2.40	260.04	400.0	-0.3	-1.7	1.7	3.00	3.00	-1.00	
500.0	5.40	260.04	499.7	-1.5	-8.3	8.5	3.00	3.00	0.00	
600.0	8.40	260.04	599.0	-3.5	-20.2	20.5	3.00	3.00	0.00	
700.0	11.40	260.04	697.5	-6.5	-37.1	37.7	3.00	3.00	0.00	
800.0	14.40	260.04	795.0	-10.4	-59.1	60.0	3.00	3.00	0.00	
900.0	17.40	260.04	891.1	-15.1	-86.1	87.4	3.00	3.00	0.00	
1,000.0	20.40	260.04	985.7	-20.7	-118.0	119.8	3.00	3.00	0.00	
1,039.9	21.60	260.04	1,023.0	-23.2	-132.1	134.1	3.00	3.00	0.00	
Ojo Alamo										
1,100.0	23.40	260.04	1,078.5	-27.2	-154.7	157.1	3.00	3.00	0.00	
1,107.1	23.61	260.04	1,085.0	-27.7	-157.5	159.9	3.00	3.00	0.00	
Kirtland										
1,200.0	26.40	260.04	1,169.2	-34.4	-196.2	199.2	3.00	3.00	0.00	
1,300.0	29.40	260.04	1,257.6	-42.5	-242.3	246.0	3.00	3.00	0.00	
1,338.9	30.57	260.04	1,291.3	-45.9	-261.4	265.4	3.00	3.00	0.00	
1,400.0	30.57	260.04	1,343.9	-51.3	-292.0	296.5	0.00	0.00	0.00	
1,500.0	30.57	260.04	1,430.0	-60.1	-342.1	347.3	0.00	0.00	0.00	
1,600.0	30.57	260.04	1,516.1	-68.9	-392.2	398.2	0.00	0.00	0.00	
1,700.0	30.57	260.04	1,602.2	-77.7	-442.3	449.0	0.00	0.00	0.00	
1,800.0	30.57	260.04	1,688.3	-86.5	-492.4	499.9	0.00	0.00	0.00	
1,900.0	30.57	260.04	1,774.4	-95.3	-542.5	550.8	0.00	0.00	0.00	
2,000.0	30.57	260.04	1,860.5	-104.1	-592.5	601.6	0.00	0.00	0.00	
2,100.0	30.57	260.04	1,946.6	-112.8	-642.6	652.5	0.00	0.00	0.00	
2,200.0	30.57	260.04	2,032.7	-121.6	-692.7	703.3	0.00	0.00	0.00	
2,300.0	30.57	260.04	2,118.8	-130.4	-742.8	754.2	0.00	0.00	0.00	
2,400.0	30.57	260.04	2,204.9	-139.2	-792.9	805.0	0.00	0.00	0.00	
2,500.0	30.57	260.04	2,291.0	-148.0	-843.0	855.9	0.00	0.00	0.00	
2,600.0	30.57	260.04	2,377.1	-156.8	-893.1	906.8	0.00	0.00	0.00	
2,661.1	30.57	260.04	2,429.7	-162.2	-923.7	937.8	0.00	0.00	0.00	
2,700.0	29.40	260.04	2,463.4	-165.6	-942.8	957.3	3.00	-3.00	0.00	
2,768.9	27.34	260.04	2,524.0	-171.2	-975.1	990.0	3.00	-3.00	0.00	
Fruitland Coal										
2,800.0	26.40	260.04	2,551.8	-173.7	-988.9	1,004.1	3.00	-3.00	0.00	
2,900.0	23.40	260.04	2,642.4	-180.9	-1,030.4	1,046.2	3.00	-3.00	0.00	
3,000.0	20.40	260.04	2,735.2	-187.4	-1,067.1	1,083.5	3.00	-3.00	0.00	
3,100.0	17.40	260.04	2,829.8	-193.0	-1,099.0	1,115.9	3.00	-3.00	0.00	
3,200.0	14.40	260.04	2,926.0	-197.7	-1,126.0	1,143.2	3.00	-3.00	0.00	
3,300.0	11.40	260.04	3,023.4	-201.6	-1,148.0	1,165.6	3.00	-3.00	0.00	
3,400.0	8.40	260.04	3,121.9	-204.6	-1,164.9	1,182.8	3.00	-3.00	0.00	
3,464.6	6.46	260.04	3,186.0	-206.0	-1,173.2	1,191.1	3.00	-3.00	0.00	
Pictured Cliffs										
3,500.0	5.40	260.04	3,221.2	-206.6	-1,176.8	1,194.8	3.00	-3.00	0.00	
3,580.0	3.00	260.04	3,301.0	-207.7	-1,182.5	1,200.6	3.00	-3.00	0.00	
Lewis										
3,600.0	2.40	260.04	3,321.0	-207.8	-1,183.5	1,201.6	3.00	-3.00	0.00	
3,680.1	0.00	0.00	3,401.0	-208.1	-1,185.1	1,203.3	3.00	-3.00	124.85	

ConocoPhillips or its affiliates
Planning Report

Database:	EDM Central Planning	Local Co-ordinate Reference:	Well Johns #1B
Company:	ConocoPhillips SJB	TVD Reference:	RKB @ 6597.0ft (AWS Drilling Rig)
Project:	San Juan Basin - New Mexico Wells	MD Reference:	RKB @ 6597.0ft (AWS Drilling Rig)
Site:	Other Named Wells	North Reference:	True
Well:	Johns #1B	Survey Calculation Method:	Minimum Curvature
Wellbore:	Original Hole		
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)	
Intermediate Shoe - Johns #1B ICP										
3,700.0	0.00	0.00	3,420.9	-208.1	-1,185.1	1,203.3	0.00	0.00	0.00	
3,800.0	0.00	0.00	3,520.9	-208.1	-1,185.1	1,203.3	0.00	0.00	0.00	
3,900.0	0.00	0.00	3,620.9	-208.1	-1,185.1	1,203.3	0.00	0.00	0.00	
4,000.0	0.00	0.00	3,720.9	-208.1	-1,185.1	1,203.3	0.00	0.00	0.00	
4,100.0	0.00	0.00	3,820.9	-208.1	-1,185.1	1,203.3	0.00	0.00	0.00	
4,144.1	0.00	0.00	3,865.0	-208.1	-1,185.1	1,203.3	0.00	0.00	0.00	
Huerfanito Bentonite										
4,200.0	0.00	0.00	3,920.9	-208.1	-1,185.1	1,203.3	0.00	0.00	0.00	
4,300.0	0.00	0.00	4,020.9	-208.1	-1,185.1	1,203.3	0.00	0.00	0.00	
4,400.0	0.00	0.00	4,120.9	-208.1	-1,185.1	1,203.3	0.00	0.00	0.00	
4,500.0	0.00	0.00	4,220.9	-208.1	-1,185.1	1,203.3	0.00	0.00	0.00	
4,600.0	0.00	0.00	4,320.9	-208.1	-1,185.1	1,203.3	0.00	0.00	0.00	
4,614.1	0.00	0.00	4,335.0	-208.1	-1,185.1	1,203.3	0.00	0.00	0.00	
Chacra										
4,700.0	0.00	0.00	4,420.9	-208.1	-1,185.1	1,203.3	0.00	0.00	0.00	
4,800.0	0.00	0.00	4,520.9	-208.1	-1,185.1	1,203.3	0.00	0.00	0.00	
4,900.0	0.00	0.00	4,620.9	-208.1	-1,185.1	1,203.3	0.00	0.00	0.00	
5,000.0	0.00	0.00	4,720.9	-208.1	-1,185.1	1,203.3	0.00	0.00	0.00	
5,035.1	0.00	0.00	4,756.0	-208.1	-1,185.1	1,203.3	0.00	0.00	0.00	
Upper Cliff House										
5,100.0	0.00	0.00	4,820.9	-208.1	-1,185.1	1,203.3	0.00	0.00	0.00	
5,200.0	0.00	0.00	4,920.9	-208.1	-1,185.1	1,203.3	0.00	0.00	0.00	
5,270.1	0.00	0.00	4,991.0	-208.1	-1,185.1	1,203.3	0.00	0.00	0.00	
Massive Cliff House										
5,300.0	0.00	0.00	5,020.9	-208.1	-1,185.1	1,203.3	0.00	0.00	0.00	
5,370.1	0.00	0.00	5,091.0	-208.1	-1,185.1	1,203.3	0.00	0.00	0.00	
Menefee										
5,400.0	0.00	0.00	5,120.9	-208.1	-1,185.1	1,203.3	0.00	0.00	0.00	
5,500.0	0.00	0.00	5,220.9	-208.1	-1,185.1	1,203.3	0.00	0.00	0.00	
5,600.0	0.00	0.00	5,320.9	-208.1	-1,185.1	1,203.3	0.00	0.00	0.00	
5,700.0	0.00	0.00	5,420.9	-208.1	-1,185.1	1,203.3	0.00	0.00	0.00	
5,756.1	0.00	0.00	5,477.0	-208.1	-1,185.1	1,203.3	0.00	0.00	0.00	
Point Lookout										
5,800.0	0.00	0.00	5,520.9	-208.1	-1,185.1	1,203.3	0.00	0.00	0.00	
5,900.0	0.00	0.00	5,620.9	-208.1	-1,185.1	1,203.3	0.00	0.00	0.00	
6,000.0	0.00	0.00	5,720.9	-208.1	-1,185.1	1,203.3	0.00	0.00	0.00	
6,069.1	0.00	0.00	5,790.0	-208.1	-1,185.1	1,203.3	0.00	0.00	0.00	
Mancos										
6,100.0	0.00	0.00	5,820.9	-208.1	-1,185.1	1,203.3	0.00	0.00	0.00	
6,200.0	0.00	0.00	5,920.9	-208.1	-1,185.1	1,203.3	0.00	0.00	0.00	
6,300.0	0.00	0.00	6,020.9	-208.1	-1,185.1	1,203.3	0.00	0.00	0.00	
6,400.0	0.00	0.00	6,120.9	-208.1	-1,185.1	1,203.3	0.00	0.00	0.00	
6,500.0	0.00	0.00	6,220.9	-208.1	-1,185.1	1,203.3	0.00	0.00	0.00	
6,600.0	0.00	0.00	6,320.9	-208.1	-1,185.1	1,203.3	0.00	0.00	0.00	
6,700.0	0.00	0.00	6,420.9	-208.1	-1,185.1	1,203.3	0.00	0.00	0.00	
6,800.0	0.00	0.00	6,520.9	-208.1	-1,185.1	1,203.3	0.00	0.00	0.00	
6,900.0	0.00	0.00	6,620.9	-208.1	-1,185.1	1,203.3	0.00	0.00	0.00	
7,000.0	0.00	0.00	6,720.9	-208.1	-1,185.1	1,203.3	0.00	0.00	0.00	
7,100.0	0.00	0.00	6,820.9	-208.1	-1,185.1	1,203.3	0.00	0.00	0.00	
7,156.1	0.00	0.00	6,877.0	-208.1	-1,185.1	1,203.3	0.00	0.00	0.00	
Upper Gallup										

ConocoPhillips or its affiliates

Planning Report

Database:	EDM Central Planning	Local Co-ordinate Reference:	Well Johns #1B
Company:	ConocoPhillips SJB	TVD Reference:	RKB @ 6597.0ft (AWS Drilling Rig)
Project:	San Juan Basin - New Mexico Wells	MD Reference:	RKB @ 6597.0ft (AWS Drilling Rig)
Site:	Other Named Wells	North Reference:	True
Well:	Johns #1B	Survey Calculation Method:	Minimum Curvature
Wellbore:	Original Hole		
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)	
7,200.0	0.00	0.00	6,920.9	-208.1	-1,185.1	1,203.3	0.00	0.00	0.00	
7,300.0	0.00	0.00	7,020.9	-208.1	-1,185.1	1,203.3	0.00	0.00	0.00	
7,400.0	0.00	0.00	7,120.9	-208.1	-1,185.1	1,203.3	0.00	0.00	0.00	
7,500.0	0.00	0.00	7,220.9	-208.1	-1,185.1	1,203.3	0.00	0.00	0.00	
7,600.0	0.00	0.00	7,320.9	-208.1	-1,185.1	1,203.3	0.00	0.00	0.00	
7,700.0	0.00	0.00	7,420.9	-208.1	-1,185.1	1,203.3	0.00	0.00	0.00	
7,800.0	0.00	0.00	7,520.9	-208.1	-1,185.1	1,203.3	0.00	0.00	0.00	
7,821.1	0.00	0.00	7,542.0	-208.1	-1,185.1	1,203.3	0.00	0.00	0.00	
Greenhorn										
7,880.1	0.00	0.00	7,601.0	-208.1	-1,185.1	1,203.3	0.00	0.00	0.00	
Graneros										
7,900.0	0.00	0.00	7,620.9	-208.1	-1,185.1	1,203.3	0.00	0.00	0.00	
7,951.1	0.00	0.00	7,672.0	-208.1	-1,185.1	1,203.3	0.00	0.00	0.00	
Two Wells										
8,000.0	0.00	0.00	7,720.9	-208.1	-1,185.1	1,203.3	0.00	0.00	0.00	
8,019.1	0.00	0.00	7,740.0	-208.1	-1,185.1	1,203.3	0.00	0.00	0.00	
Paguete										
8,048.1	0.00	0.00	7,769.0	-208.1	-1,185.1	1,203.3	0.00	0.00	0.00	
Upper Cubero - Lower Cubero										
8,086.1	0.00	0.00	7,807.0	-208.1	-1,185.1	1,203.3	0.00	0.00	0.00	
Enclinal										
8,100.0	0.00	0.00	7,820.9	-208.1	-1,185.1	1,203.3	0.00	0.00	0.00	
8,126.1	0.00	0.00	7,847.0	-208.1	-1,185.1	1,203.3	0.00	0.00	0.00	
Production Shoe - Johns #1B.PCP										

Targets										
Target Name	Dip Angle (°)	Dip Dir (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude	
Johns #1B PCP - plan hits target center - Circle (radius 50.0)	0.00	0.00	7,847.0	-208.1	-1,185.1	2,173,422.44	442,248.18	36° 58' 22.033 N	108° 1' 51.718 W	
Johns #1B ICP - plan hits target center - Circle (radius 50.0)	0.00	0.00	3,401.0	-208.1	-1,185.1	2,173,422.42	442,248.15	36° 58' 22.033 N	108° 1' 51.718 W	

Casing Points						
Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (")	Hole Diameter (")		
215.0	215.0	Surface Shoe	9-5/8	12-1/4		
3,680.1	3,401.0	Intermediate Shoe	7	8-3/4		
8,126.1	7,847.0	Production Shoe	4-1/2	6-1/4		

ConocoPhillips or its affiliates
 Planning Report

Database:	EDM Central Planning	Local Co-ordinate Reference:	Well Johns #1B
Company:	ConocoPhillips SJBU	TVD Reference:	RKB @ 6597.0ft (AWS Drilling Rig)
Project:	San Juan Basin - New Mexico Wells	MD Reference:	RKB @ 6597.0ft (AWS Drilling Rig)
Site:	Other Named Wells	North Reference:	True
Well:	Johns #1B	Survey Calculation Method:	Minimum Curvature
Wellbore:	Original Hole		
Design:	Plan #1		

Formations						
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)	
8,086.1	7,807.0	Encinal		0.00		
8,048.1	7,769.0	Lower Cubero		0.00		
7,156.1	6,877.0	Upper Gallup		0.00		
5,370.1	5,091.0	Menefee		0.00		
8,019.1	7,740.0	Paguate		0.00		
4,144.1	3,865.0	Huerfanito Bentonite		0.00		
5,270.1	4,991.0	Massive Cliff House		0.00		
7,951.1	7,672.0	Two Wells		0.00		
7,821.1	7,542.0	Greenhorn		0.00		
6,069.1	5,790.0	Mancos		0.00		
3,464.6	3,186.0	Pictured Cliffs		0.00		
7,880.1	7,601.0	Graneros		0.00		
4,614.1	4,335.0	Chacra		0.00		
1,107.1	1,085.0	Kirtland		0.00		
2,768.9	2,524.0	Fruitland Coal		0.00		
3,580.0	3,301.0	Lewis		0.00		
5,756.1	5,477.0	Pioint Lookout		0.00		
1,039.9	1,023.0	Ojo Alamo		0.00		
5,035.1	4,756.0	Upper Cliff House		0.00		
8,048.1	7,769.0	Upper Cubero		0.00		

REFERENCE INFORMATION

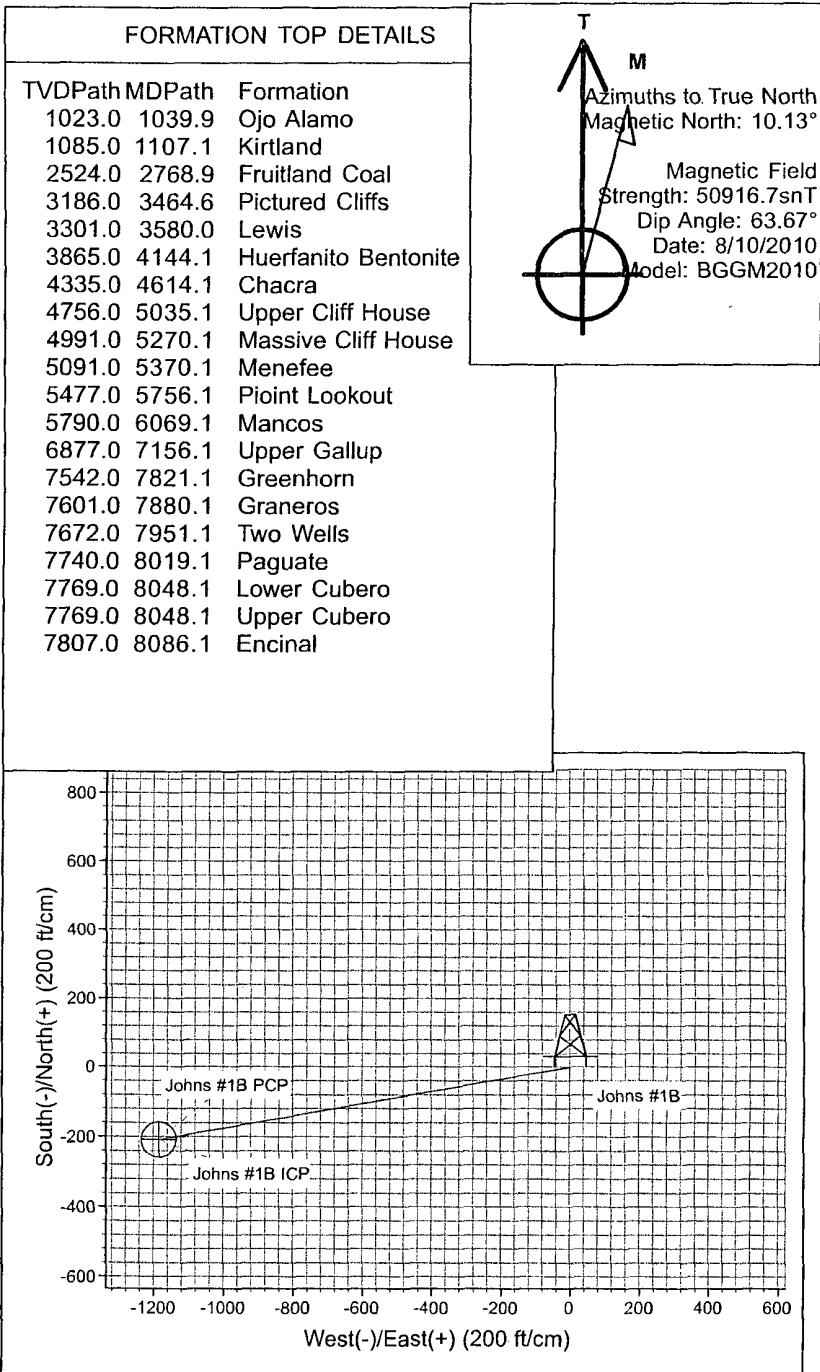
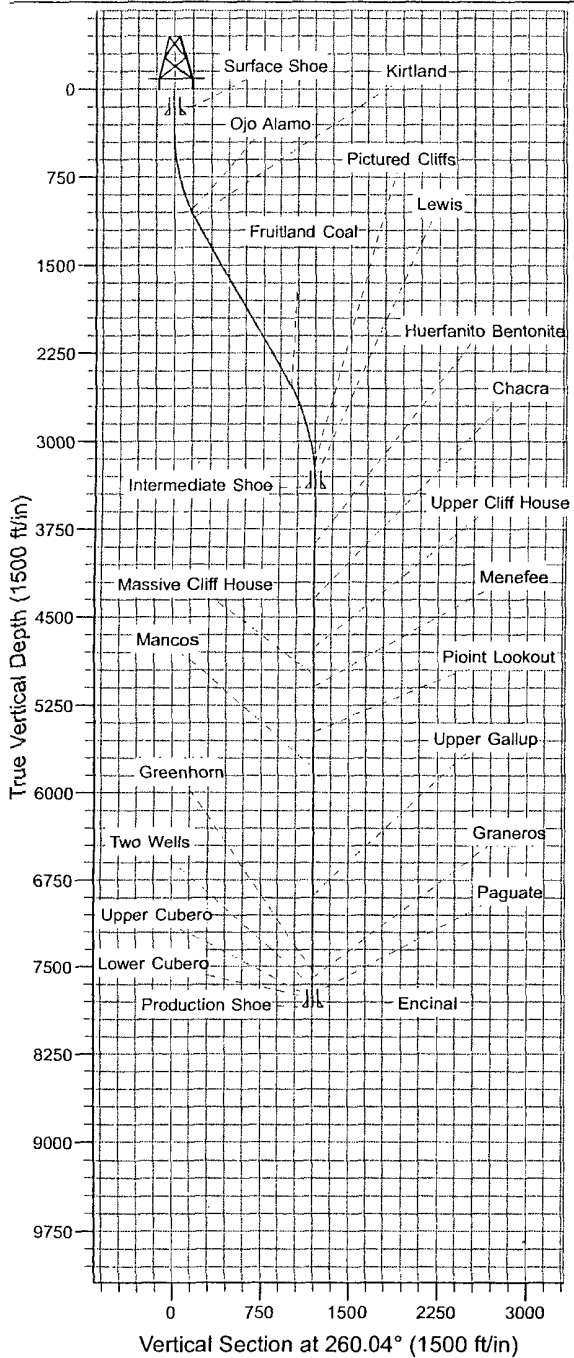
RKB @ 6597.0ft (AWS Drilling Rig)
 Ground Elevation 6582.0
 Reference Lat: 36° 58' 24.091 N
 Reference Long: 108° 1' 37.114 W

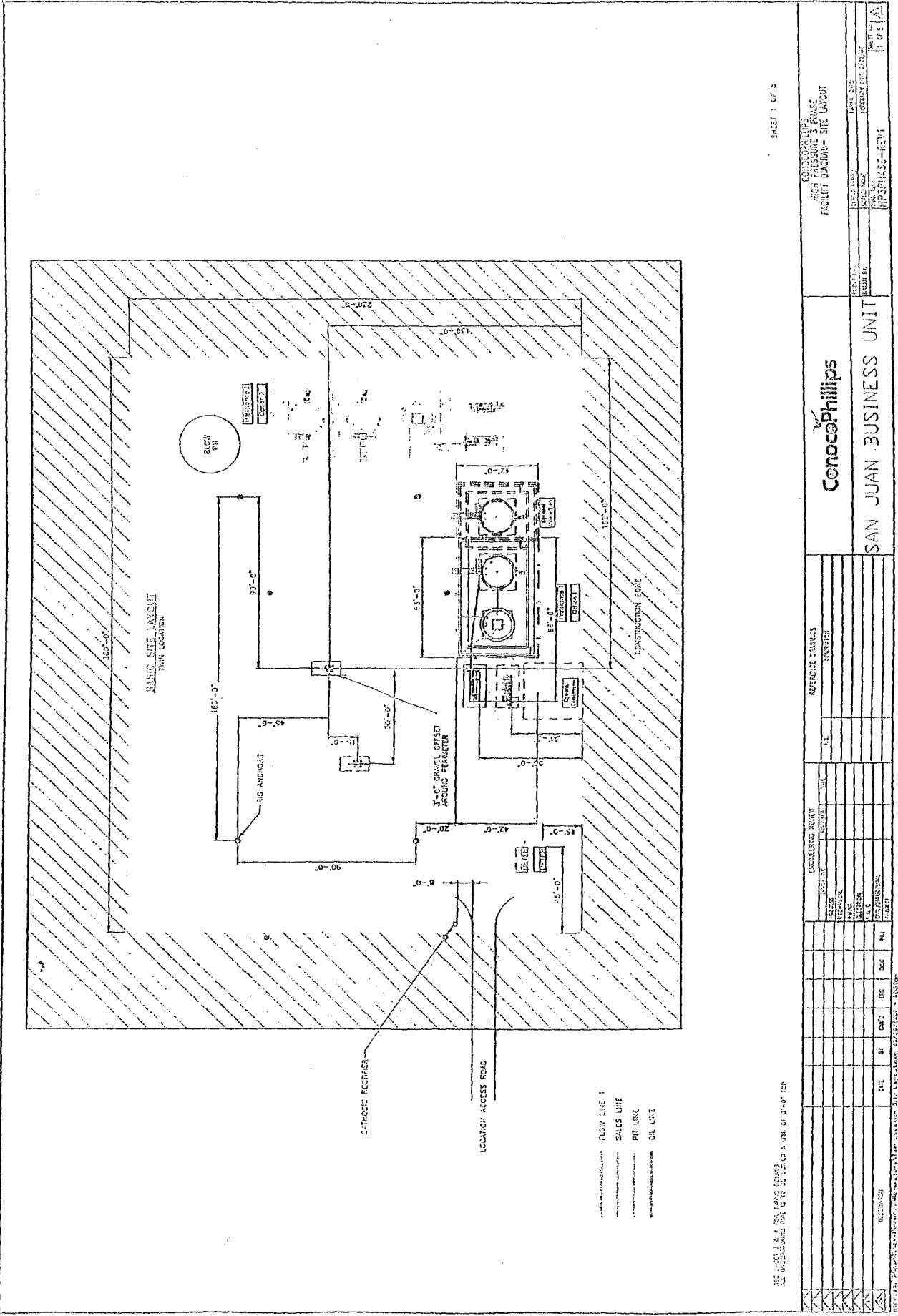
Project: San Juan Basin - New Mexico Wells
 Site: Other Named Wells
 Well: Johns #1B
 Wellbore: Original Hole
 Design: Plan #1



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	1338.9	30.57	260.04	1291.3	-45.9	-261.4	3.00	260.04	265.4	
	42661.1	30.57	260.04	2429.7	-162.2	-923.7	0.00	0.00	937.8	
	53680.1	0.00	0.00	3401.0	-208.1	-1185.1	3.00	180.00	1203.3	Johns #1B ICP
	68126.1	0.00	0.00	7847.0	-208.1	-1185.1	0.00	0.00	1203.3	Johns #1B PCP





CAD: JCP/PLP/PLP
 HIGH PRESSURE 3 PHASE
 FACILITY DIAGRAM- SITE LAYOUT
 DATE: 08/22/07
 SCALE: AS SHOWN
 DRAWN BY: JCP/PLP/PLP
 CHECKED BY: JCP/PLP/PLP
 APPROVED BY: JCP/PLP/PLP



SAN JUAN BUSINESS UNIT

DRAWING BOARD		REFERENCE DRAWINGS	
NO.	DESCRIPTION	NO.	DESCRIPTION

SEE SHEET 2 OF 3 FOR PLOT PLAN AND LOCATION OF 3\"/>

- FLIGHT LINE 1
- SALES WIRE
- PIT WIRE
- OIL WIRE

LOCATION ACCESS ROAD
 LOCATION RECTIFIER

BURLINGTON RESOURCES OIL & GAS COMPANY LP

JOHNS 1B

1690' FNL & 2205' FEL (SURFACE)

1900' FNL & 1861' FWL (BOTTOM HOLE LOCATION)

LATITUDE: 36.9733603° N

LONGITUDE: 108.0276011° W

NAD 83

SECTION 19, T-32-N, R-11-W, N.M.P.M.

SAN JUAN COUNTY, NEW MEXICO

**FROM THE INTERSECTION OF NEW MEXICO STATE HIGHWAY 516 AND NORTH
LIGHT PLANT ROAD IN AZTEC, NEW MEXICO.**

**TRAVEL NORTHERLY ON NORTH LIGHT PLANT ROAD
(NEW MEXICO STATE HIGHWAY 574) 7.7 MILES.**

**TURN RIGHT ONTO GLADE ROAD AFTER PASSING
TRANSMISSION POWERLINES CROSSING.**

**TRAVEL NORTHEASTERLY 6.0 MILES ON GLADE ROAD
TURN RIGHT AT A TEE INTERSECTION AND TRAVEL SOUTHEASTLY 0.5 MILE.
TURN RIGHT AT A TEE INTERSECTION AND TRAVEL SOUTHERLY 0.3 MILE
TO PROPOSED ACCESS TO JOHNS 1B AND WELL LOCATION.**