

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

FEB 18 2010

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

1a. Type of Work DRILL	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	5. Lease Number SF-079383 Unit Reporting Number NMNM-78420A-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 AUG 16 '10 OIL CONS. DIV. DIST. 3
4. Location of Well Surf: Unit M(SWSW), 875' FSL & 790' FWL Bottomhole: Unit L(NWSW), 2000' FSL & 710' FWL Surf: Latitude: 36.77875° N (NAD83) Longitude: 107.54654° W Bottomhole: Latitude: 36.78183° N (NAD83) Longitude: 107.54685° W		9. Well Number 95P 10. Field, Pool, Wildcat Blanco MV / Basin DK 11. Sec., Twn, Rge, Mer. (NMPM) M Sec. 26, T30N, R7W API # 30-039-30922
14. Distance in Miles from Nearest Town 8 miles / Navajo City	12. County Rio Arriba	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 710'		
16. Acres in Lease 2,240.00	17. Acres Assigned to Well 320.00 W/2 - MV/DK	
18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease 770' from San Juan 30-6 Unit 95S (MV)		
19. Proposed Depth 8275'	20. Rotary or Cable Tools Rotary	
21. Elevations (DF, FT, GR, Etc.) 6865' GL	22. Approx. Date Work will Start	
23. Proposed Casing and Cementing Program See Operations Plan attached		
24. Authorized by: <u>Jamie Goodwin</u> Jamie Goodwin (Regulatory Technician)	Date <u>2/18/10</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

Hold C104

for Directional Survey
and "As Drilled" plat

NMOC

AUG 27 2010

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

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

District I
1625 N. French Dr., Hobbs, NM 88240

District II
1301 W. Grand Avenue, 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 & Natural Resources Department

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

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

FEB 18 2010

☐ AMENDED REPORT

Bureau of Land Management
Farmington Field Office

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number 30-039-30922	*Pool Code 72319 / 71599	*Pool Name BLANCO MESAVERDE / BASIN DAKOTA
*Property Code 7469	*Property Name SAN JUAN 30-6 UNIT	*Well Number 95P
*OGRID No 14538	*Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY LP	*Elevation 6865'

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
M	26	30N	7W		875	SOUTH	790	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
L	26	30N	7W		2000	SOUTH	710	WEST	RIO ARriba

¹² Dedicated Acres 320.0 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

16	5281.32'		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: <u>Kelly Jeffery</u> Date: <u>10-22-09</u> Printed Name: <u>Kelly Jeffery</u>
LEASE USA SF-079383			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 Survey Date: <u>SEPTEMBER 25, 2009</u> Signature and Seal of Professional Surveyor  <u>JASON C. EDWARDS</u> Certificate Number 15269
BOTTOM-HOLE LAT: 36°46.9095'N LONG: 107°32.7743'W DATUM: NAD1927 LAT: 36.78183°N LONG: 107.54685°W DATUM: NAD1983	SURFACE LOCATION LAT: 36°46.7244'N LONG: 107°32.7560'W DATUM: NAD1927 LAT: 36.77875°N LONG: 107.54654°W DATUM: NAD1983	26	
5280.00'	620' 710' 1745' 790' 2000' 875'	1910' NO4°42.3'W 1126.5' 1830'	5280.00'
		5278.68'	

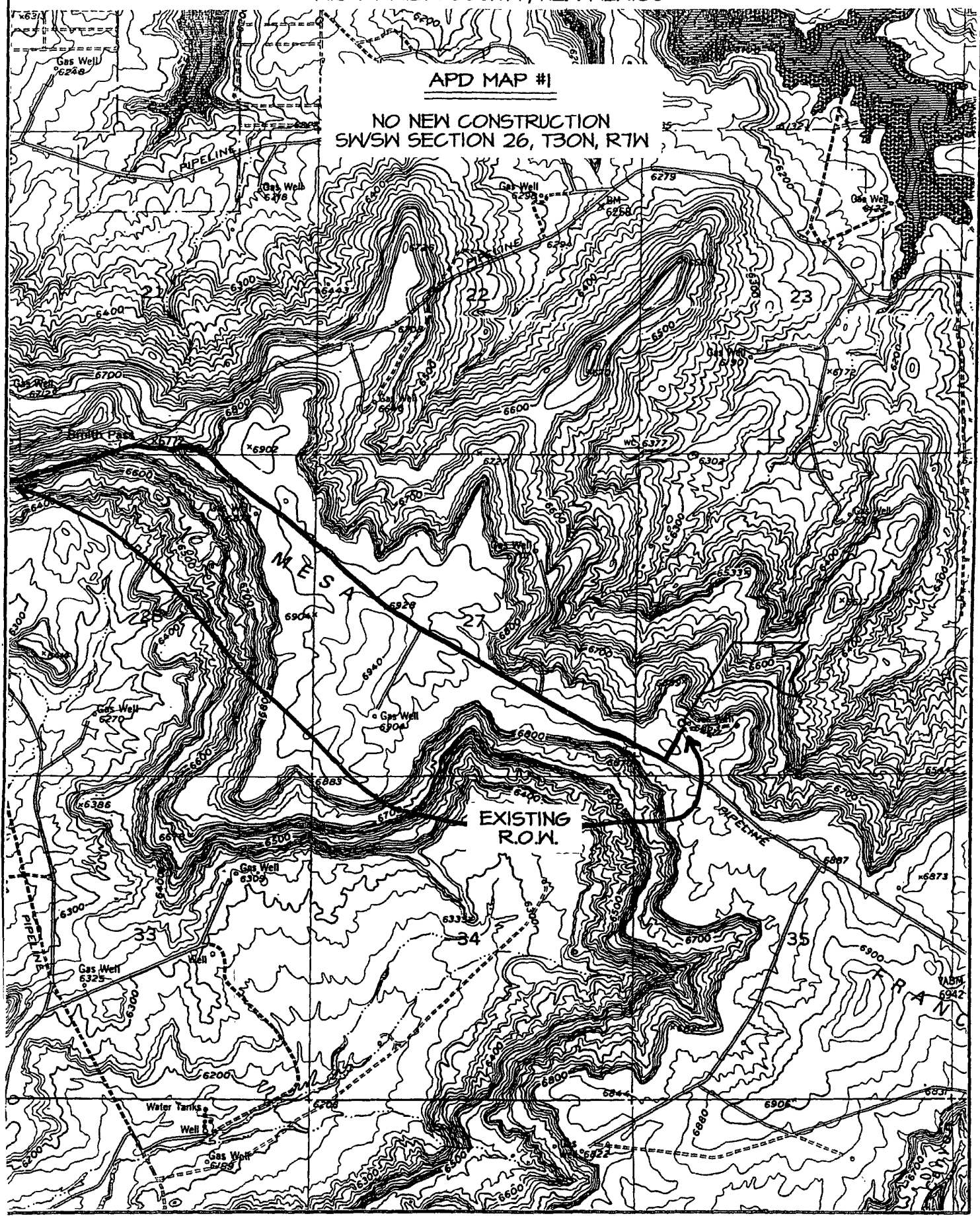
BURLINGTON RESOURCES OIL & GAS COMPANY SAN JUAN 30-6 UNIT #95P

875' FSL & 790' FWL, SECTION 26, T30N, RTW, N.M.P.M.

RIO ARriba COUNTY, NEW MEXICO

APD MAP #1

NO NEW CONSTRUCTION
SW/SW SECTION 26, T30N, RTW



PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 30-6 UNIT 95P

DEVELOPMENT

Lease:		AFE #: WAN.CDR.9022				AFE \$: 1,115,125.32	
Field Name: SAN JUAN		Rig: H&P Rig 282		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						
FRR	BASIN DAKOTA (PRORATED GAS)						
RON	BLANCO MESAVERDE (PRORATED GAS)						
Location: Surface Datum Code: NAD 27 Directional							
Latitude: 36.778744	Longitude: -107.545933	X:	Y:	Section: 26		Range: 007W	
Footage X: 790 FWL	Footage Y: 875 FSL	Elevation: 6865	(FT)	Township: 030N			
Tolerance:							
Location: Bottom Hole Datum Code: NAD 27 Directional							
Latitude: 36.781824	Longitude: -107.546243	X:	Y:	Section: 26		Range: 007W	
Footage X: 710 FWL	Footage Y: 2000 FSL	Elevation:	(FT)	Township: 030N			
Tolerance:							
Location Type: Year Round		Start Date (Est.): 1/1/2010		Completion Date:		Date In Operation:	
Formation Data: Assume KB = 6881 Units = FT							
Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks	
Surface Casing	200	6681	☐			12-1/4 hole. 200' 9 5/8" 32.3 ppf, H-40, STC casing. Cement with 121 cuft. Circulate cement to surface.	
NACIMIENTO	1481	5400	☐				
OJO ALAMO	2831	4050	☐				
KIRTLAND	2936	3945	☐				
FRUITLAND	3341	3540	☐			Possible Gas	
PICTURED CLIFFS	3771	3110	☐				
LEWIS	3891	2990	☐				
Intermediate Casing	3991	2890	☐			8 3/4" Hole. 7", 23 ppf, J-55, LTC Casing. Cement with 954 cuft. Circulate cement to surface.	
HUERFANITO BENTONITE	4468	2413	☐				
CHACRA	4791	2090	☐				
MASSIVE CLIFF HOUSE	5576	1305	☐	370		Gas	
MENEFEE	5641	1240	☐				
POINT LOOKOUT	5981	900	☐				
MANCOS	6316	565	☐				
UPPER GALLUP	7234	-353	☐				
GREENHORN	7964	-1083	☐				
GRANEROS	8017	-1136	☐				
TWO WELLS	8086	-1205	☐	3420		Gas	
UPPER CUBERO	8166	-1285	☐				
LOWER CUBERO	8199	-1318	☐				
ENCINAL	8265	-1384	☐				

PROJECT PROPOSAL - New Drill / Sidetrack

SAN JUAN 30-6 UNIT 95P

DEVELOPMENT

Total Depth	8275	-1394	☐	6-1/4" hole, 4-1/2" 11.6 ppf, L-80, LTC casing. Cement w/ 583 cuft. Circulate cement a minimum of 100' inside the previous casing string.
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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
Mud log from ~100' above the Greenhorn to TD. Mud loggers will call final TD. Est bottom perf is ~20' above the est 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 #95P
Company:	ConocoPhillips SJBU	TVD Reference:	RKB @ 6881 0ft (H&P Rigs)
Project:	San Juan Basin - New Mexico Wells	MD Reference:	RKB @ 6881 0ft (H&P Rigs)
Site:	San Juan 30 Wells	North Reference:	True
Well:	SJ 30-6 #95P	Survey Calculation Method:	Minimum Curvature
Wellbore:	Principal Wellbore		
Design:	Plan #1		

Casing Points					
Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (")	Hole Diameter (")	
200.0	200.0	Surface Shoe	9-5/8	12-1/4	
8,524.0	8,275.0	Production Shoe	4-1/2	6-1/4	
4,240.0	3,991.0	Intermediate Shoe	7	8-3/4	

Formations						
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (")	Dip Direction (")	
4,717.0	4,468.0	Huerf Bent.		0.00		
6,230.0	5,981.0	Pt. Lookout		0.00		
3,181.9	2,936.0	Kirtland		0.00		
8,514.0	8,265.0	Encinal		0.00		
7,483.0	7,234.0	Upper Gallup		0.00		
8,266.0	8,017.0	Graneros		0.00		
4,020.0	3,771.0	Pictured Cliffs		0.00		
1,555.4	1,481.0	Nacimiento		0.00		
8,448.0	8,199.0	Lower Cubero		0.00		
8,524.0	8,275.0	TD		0.00		
3,590.0	3,341.0	Fruitland		0.00		
8,213.0	7,964.0	Greenhorn		0.00		
8,335.0	8,086.0	Two Wells		0.00		
4,140.0	3,891.0	Lewis		0.00		
8,415.0	8,166.0	Upper Cubero		0.00		
3,073.7	2,831.0	Ojo Alamo		0.00		
5,890.0	5,641.0	Menefee		0.00		
6,565.0	6,316.0	Mancos Shale		0.00		
5,825.0	5,576.0	Massive Cliffhouse		0.00		
5,040.0	4,791.0	Chacra		0.00		

REFERENCE INFORMATION

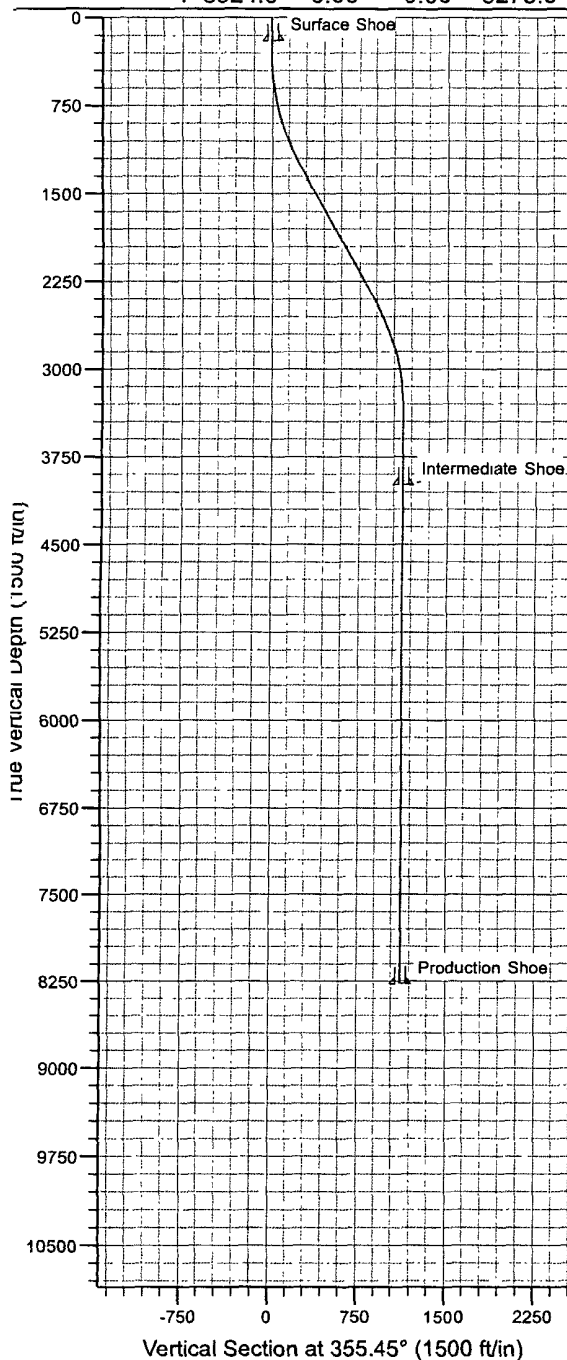
RKB @ 6881.0ft (H&P Rigs)
Ground Elevation 6865.0
Reference Lat: 36° 46' 43.464 N
Reference Long: 107° 32' 45.360 W

Project: San Juan Basin - New Mexico Wells
Site: San Juan 30 Wells
Well: SJ 30-6 #95P
Wellbore: Principal Wellbore
Design: Plan #1



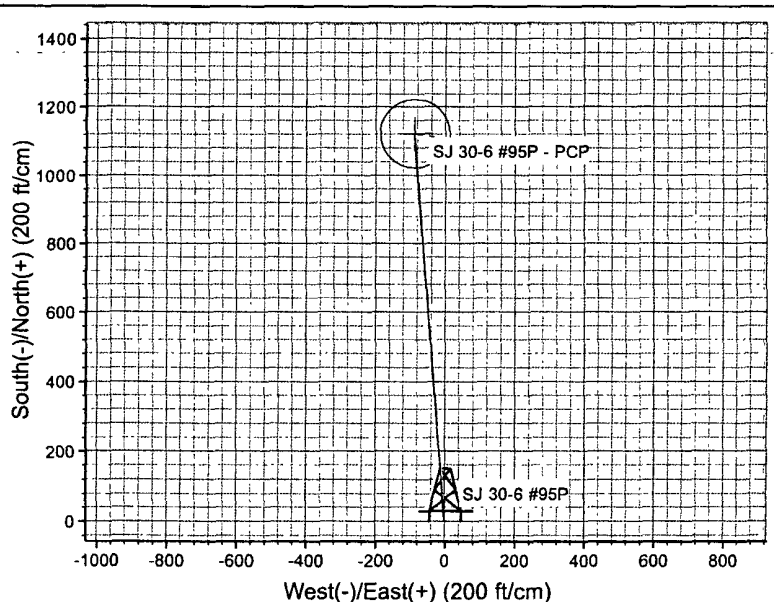
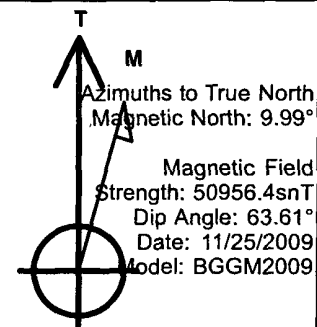
SECTION DETAILS

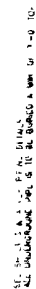
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	320.0	0.00	0.00	320.0	0.0	0.0	0.00	0.00	0.0	
3	1286.4	28.99	355.45	1245.6	238.6	-19.0	3.00	355.45	239.3	
4	2623.6	28.99	355.45	2415.4	884.6	-70.3	0.00	0.00	887.4	
5	3590.0	0.00	0.00	3341.0	1123.2	-89.3	3.00	180.00	1126.7	SJ 30-6 #95P - ACP
6	4240.0	0.00	0.00	3991.0	1123.2	-89.3	0.00	0.00	1126.7	SJ 30-6 #95P - ICP
7	8524.0	0.00	0.00	8275.0	1123.2	-89.3	0.00	0.00	1126.7	SJ 30-6 #95P - PCP



FORMATION TOP DETAILS

TVDPath	MDPath	Formation
1481.0	1555.4	Nacimiento
2831.0	3073.7	Ojo Alamo
2936.0	3181.9	Kirtland
3341.0	3590.0	Fruitland
3771.0	4020.0	Pictured Cliffs
3891.0	4140.0	Lewis
4468.0	4717.0	Huerf. Bent.
4791.0	5040.0	Chacra
5576.0	5825.0	Massive Cliffhouse
5641.0	5890.0	Menefee
5981.0	6230.0	Pt. Lookout
6316.0	6565.0	Mancos Shale
7234.0	7483.0	Upper Gallup
7964.0	8213.0	Greenhorn
8017.0	8266.0	Graneros
8086.0	8335.0	Two Wells
8166.0	8415.0	Upper Cubero
8199.0	8448.0	Lower Cubero
8265.0	8514.0	Encinal
8275.0	8524.0	TD





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ConocoPhillips

QUALITY JOURNAL

SAN LUAN BUSINESS JET

[illegible]

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

Burlington Resources Oil & Gas Company San Juan 30-6 Unit #95P

875' FSL & 790' FWL, Section 26, T30N, R7W, N.M.P.M., Rio Arriba County, NM

Latitude : 36.77875°N Longitude : 107.54654°W Datum : NAD1983

From the intersection of US Hwy 64 & US Hwy 550 in Bloomfield, NM, travel Easterly on US Hwy 64 for 24.0 miles to State Hwy 539;

Go left (Northerly) on State Hwy 539 for 2.2 miles to the road to Smith Pass;

Go right (North-easterly) on the road to Smith Pass for 2.2 miles;

Go left (North-westerly) for 1.1 miles to the Smith Pass summit;

Go right (Easterly) for 2.0 miles to fork in road;

Go left (North-easterly) for 0.1 miles to staked location on left-hand side of existing roadway which partially overlaps an abandoned wellpad.