submitted in lieu of Form 3160-5

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

JAN 10 2011

Farmington Field Office
Bureau of Land Management

Sundry Notices and Reports on Wells

1. **Type of Well**
   GAS

2. **Name of Operator**
   Burlington Resources

3. **Address & Phone No. of Operator**
   PO Box 4289, Farmington, NM 87499 (505) 326-9700

4. **Location of Well, Footage, Sec., T, R, M**
   Surf: Unit C (NENW), 1244' FNL & 1621' FWL, Section 33, T26N, R6W, NMPM
   Surf: Unit F (SENW), 2065' FNL & 1865' FWL, Section 33, T26N, R6W, NMPM

5. **Lease Number**
   SF-079265
6. **If Indian, All. or Tribe Name**
7. **Unit Agreement Name**
8. **Well Name & Number**
   Klein 28N
9. **API Well No.**
   30-039-30942
10. **Field and Pool**
    Basin DK/Blanco MV
11. **County and State**
    Rio Arriba Co., NM

12. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OTHER DATA

Type of Submission	Type of Action			
X Notice of Intent	___ Abandonment	___ Recompletion	___ Plugging	___ Casing Repair
___ Subsequent Report	___ Altering Casing	___ Change of Plans	___ New Construction	___ Non-Routine Fracturing
___ Final Abandonment	___ Water Shut off	___ Conversion to Injection	X Other – Change of Plans	

RCVD JAN 18 '11
OIL CONS. DIV.
DIST. 3

13. Describe Proposed or Completed Operations

BR wishes to change the intermediate setting depth on the subject well from 4757' to 3300' (VD) This change is to help us explore the boundries of the "wet" Cliffhouse line. Attached is the new project proposal, directional plan and cement calculations.

H_2S POTENTIAL EXIST

CONDITIONS OF APPROVAL
Adhere to previously issued stipulations.

14. I hereby certify that the foregoing is true and correct.

Signed Brandie Blakley Brandie Blakley Title Staff Regulatory Technician Date 1-10-11

(This space for Federal or State Office use)
APPROVED BY Troy L Salyers Title Petroleum Engineer Date 1/14/2011
CONDITION OF APPROVAL, if any:

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

NMOCD

ConocoPhillips

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

KLEIN 28N **DEVELOPMENT**

Lease:	AFE #: WAN.CDR.9078			AFE $: 1,560,226.52
Field Name: SAN JUAN	Rig: Aztec Rig 673	State: NM	County: RIO ARRIBA	API #: 3003930942
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)
FRR	BASIN DAKOTA (PRORATED GAS)

Location: Surface Datum Code: NAD 27 **Directional**

Latitude: 36.446699	Longitude: -107.475836	X:	Y:	Section: 33	Range: 006W
Footage X: 1621 FWL	Footage Y: 1244 FNL	Elevation: 6761 (FT)	Township: 026N		
Tolerance:					

Location: Bottom Hole Datum Code: NAD 27 **Directional**

Latitude: 36.444459	Longitude: -107.474946	X:	Y:	Section: 33	Range: 006W
Footage X: 1865 FWL	Footage Y: 2065 FNL	Elevation: (FT)	Township: 026N		
Tolerance:					

Location Type: Year Round Start Date (Est.): 1/1/2011 Completion Date: Date In Operation:

Formation Data: Assume KB = 6777 Units = FT

Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	MD (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks
Surface Casing	200	6577		☐			12-1/4" hole, 9 5/8" 32.3 ppf, H-40, STC casing. Cement with 121 cuft. Circulate cement to surface.
OJO ALAMO	2270	4507		☐			
KIRTLAND	2439	4338		☐			
FRUITLAND	2522	4255		☐			Possible Gas
PICTURED CLIFFS	2927	3850		☐			
LEWIS	3017	3760		☐			
Intermediate Casing	3300	3477		☐			8-3/4" hole, 7" 23ppf J-55 LTC casing, Cement with 779 cuft. Circ cement to surface
HUERFANITO BENTONITE	3322	3455		☐			
CHACRA	3775	3002		☐			
MASSIVE CLIFF HOUSE	4562	2215		☐			
MENEFEE	4607	2170		☐			
POINT LOOKOUT	5152	1625		☐	448		GAS
MANCOS	5477	1300		☐			
UPPER GALLUP	6202	575		☐			
GREENHORN	7081	-304		☐			
GRANEROS	7137	-360		☐			
TWO WELLS	7193	-416		☐	2885		Gas
UPPER CUBERO	7278	-501		☐			
LOWER CUBERO	7310	-533		☐			
OAK CANYON	7338	-561		☐			
ENCINAL	7382	-605		☐			

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ConocoPhillips

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

KLEIN 28N **DEVELOPMENT**

Total Depth	7474	-697	☐	6-1/4" hole, 4-1/2" 11.6 ppf, J-55 / L-80 LTC casing. Cement with 547 cuft. Circulate cement a minumum of 100' into prevous casing

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

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 SJBU

San Juan Basin - New Mexico West Wells
Other Named Wells
Klein #28N

Principal Wellbore

Plan: Plan #2 (Sundry)

Standard Planning Report

18 December, 2010

ConocoPhillips or its affiliates

Planning Report

Database:	EDM Central Planning	Local Co-ordinate Reference:	Well Klein #28N
Company:	ConocoPhillips SJBU	TVD Reference:	RKB @ 6777.0ft (Original Well Elev)
Project:	San Juan Basin - New Mexico West Wells	MD Reference:	RKB @ 6777.0ft (Original Well Elev)
Site:	Other Named Wells	North Reference:	True
Well:	Klein #28N	Survey Calculation Method:	Minimum Curvature
Wellbore:	Principal Wellbore		
Design:	Plan #2 (Sundry)		

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 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 Klein #28N, Directional "S" Curve Short, Originally For Mud Drilled, Deep Set

Well Position	+N/-S	0.0 ft	Northing:	1,982,039.25 ft	Latitude:	36° 26' 48.118 N
	+E/-W	0.0 ft	Easting:	605,146.42 ft	Longitude:	107° 28' 33.009 W
Position Uncertainty		15.0 ft	Wellhead Elevation:	ft	Ground Level:	6,761.0 ft

Wellbore Principal Wellbore

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	BGGM2009	8/5/2009	9.96	63.34	50,806

Design Plan #2 (Sundry)

Audit Notes:					
Version:		Phase:	PROTOTYPE	Tie On Depth:	0.0

Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)
	0.0	0.0	0.0	162.20

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	
400.0	0.00	0.00	400.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,644.1	24.88	162.20	1,605.4	-253.2	81.3	2.00	2.00	0.00	162.20	
2,626.3	24.88	162.20	2,496.4	-646.7	207.6	0.00	0.00	0.00	0.00	
3,455.7	0.00	0.00	3,300.0	-815.5	261.8	3.00	-3.00	0.00	180.00	Klein #28N - ICP
7,629.7	0.00	0.00	7,474.0	-815.5	261.8	0.00	0.00	0.00	0.00	Klein #28N PCP

Database:	EDM Central Planning	Local Co-ordinate Reference:	Well Klein #28N
Company:	ConocoPhillips SJBU	TVD Reference:	RKB @ 6777.0ft (Original Well Elev)
Project:	San Juan Basin - New Mexico West Wells	MD Reference:	RKB @ 6777.0ft (Original Well Elev)
Site:	Other Named Wells	North Reference:	True
Well:	Klein #28N	Survey Calculation Method:	Minimum Curvature
Wellbore:	Principal Wellbore		
Design:	Plan #2 (Sundry)		

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
Surface									
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	2.00	162.20	500.0	-1.7	0.5	1.7	2.00	2.00	0.00
600.0	4.00	162.20	599.8	-6.6	2.1	7.0	2.00	2.00	0.00
700.0	6.00	162.20	699.5	-14.9	4.8	15.7	2.00	2.00	0.00
800.0	8.00	162.20	798.7	-26.5	8.5	27.9	2.00	2.00	0.00
900.0	10.00	162.20	897.5	-41.4	13.3	43.5	2.00	2.00	0.00
1,000.0	12.00	162.20	995.6	-59.6	19.1	62.6	2.00	2.00	0.00
1,100.0	14.00	162.20	1,093.1	-81.0	26.0	85.1	2.00	2.00	0.00
1,200.0	16.00	162.20	1,189.6	-105.7	33.9	111.0	2.00	2.00	0.00
1,300.0	18.00	162.20	1,285.3	-133.5	42.9	140.2	2.00	2.00	0.00
1,400.0	20.00	162.20	1,379.8	-164.5	52.8	172.8	2.00	2.00	0.00
1,500.0	22.00	162.20	1,473.2	-198.6	63.8	208.6	2.00	2.00	0.00
1,600.0	24.00	162.20	1,565.2	-235.8	75.7	247.7	2.00	2.00	0.00
1,644.1	24.88	162.20	1,605.4	-253.2	81.3	265.9	2.00	2.00	0.00
1,700.0	24.88	162.20	1,656.1	-275.6	88.5	289.4	0.00	0.00	0.00
1,800.0	24.88	162.20	1,746.8	-315.7	101.3	331.5	0.00	0.00	0.00
1,900.0	24.88	162.20	1,837.5	-355.7	114.2	373.6	0.00	0.00	0.00
2,000.0	24.88	162.20	1,928.2	-395.8	127.1	415.7	0.00	0.00	0.00
2,100.0	24.88	162.20	2,018.9	-435.8	139.9	457.7	0.00	0.00	0.00
2,200.0	24.88	162.20	2,109.7	-475.9	152.8	499.8	0.00	0.00	0.00
2,300.0	24.88	162.20	2,200.4	-516.0	165.6	541.9	0.00	0.00	0.00
2,376.7	24.88	162.20	2,270.0	-546.7	175.5	574.2	0.00	0.00	0.00
Ojo Alamo									
2,400.0	24.88	162.20	2,291.1	-556.0	178.5	584.0	0.00	0.00	0.00
2,500.0	24.88	162.20	2,381.8	-596.1	191.4	626.1	0.00	0.00	0.00
2,563.0	24.88	162.20	2,439.0	-621.3	199.5	652.6	0.00	0.00	0.00
Kirtland									
2,600.0	24.88	162.20	2,472.5	-636.2	204.2	668.1	0.00	0.00	0.00
2,626.3	24.88	162.20	2,496.4	-646.7	207.6	679.2	0.00	0.00	0.00
2,654.4	24.04	162.20	2,522.0	-657.8	211.2	690.8	3.00	-3.00	0.00
Fruitland									
2,700.0	22.67	162.20	2,563.8	-675.0	216.7	708.9	3.00	-3.00	0.00
2,800.0	19.67	162.20	2,657.1	-709.4	227.7	745.0	3.00	-3.00	0.00
2,900.0	16.67	162.20	2,752.1	-739.1	237.3	776.2	3.00	-3.00	0.00
3,000.0	13.67	162.20	2,848.6	-764.0	245.3	802.4	3.00	-3.00	0.00
3,080.3	11.26	162.20	2,927.0	-780.5	250.6	819.7	3.00	-3.00	0.00
Pictured Cliffs									
3,100.0	10.67	162.20	2,946.3	-784.0	251.7	823.5	3.00	-3.00	0.00
3,171.7	8.52	162.20	3,017.0	-795.4	255.4	835.4	3.00	-3.00	0.00
Lewis									
3,200.0	7.67	162.20	3,045.0	-799.2	256.6	839.4	3.00	-3.00	0.00
3,300.0	4.67	162.20	3,144.4	-809.5	259.9	850.1	3.00	-3.00	0.00
3,400.0	1.67	162.20	3,244.3	-814.7	261.6	855.7	3.00	-3.00	0.00
3,455.7	0.00	0.00	3,300.0	-815.5	261.8	856.5	3.00	-3.00	-290.98
Intermediate - Klein #28N - ICP									
3,477.7	0.00	0.00	3,322.0	-815.5	261.8	856.5	0.00	0.00	0.00
Huerfanito Bentonite									
3,500.0	0.00	0.00	3,344.3	-815.5	261.8	856.5	0.00	0.00	0.00

Database:	EDM Central Planning	Local Co-ordinate Reference:	Well Klein #28N
Company:	ConocoPhillips SJBU	TVD Reference:	RKB @ 6777.0ft (Original Well Elev)
Project:	San Juan Basin - New Mexico West Wells	MD Reference:	RKB @ 6777.0ft (Original Well Elev)
Site:	Other Named Wells	North Reference:	True
Well:	Klein #28N	Survey Calculation Method:	Minimum Curvature
Wellbore:	Principal Wellbore		
Design:	Plan #2 (Sundry)		

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)
3,600.0	0.00	0.00	3,444.3	-815.5	261.8	856.5	0.00	0.00	0.00
3,700.0	0.00	0.00	3,544.3	-815.5	261.8	856.5	0.00	0.00	0.00
3,755.7	0.00	0.00	3,600.0	-815.5	261.8	856.5	0.00	0.00	0.00
Klein 28N - ACP (APD)									
3,800.0	0.00	0.00	3,644.3	-815.5	261.8	856.5	0.00	0.00	0.00
3,900.0	0.00	0.00	3,744.3	-815.5	261.8	856.5	0.00	0.00	0.00
3,930.7	0.00	0.00	3,775.0	-815.5	261.8	856.5	0.00	0.00	0.00
Chacra									
4,000.0	0.00	0.00	3,844.3	-815.5	261.8	856.5	0.00	0.00	0.00
4,100.0	0.00	0.00	3,944.3	-815.5	261.8	856.5	0.00	0.00	0.00
4,200.0	0.00	0.00	4,044.3	-815.5	261.8	856.5	0.00	0.00	0.00
4,300.0	0.00	0.00	4,144.3	-815.5	261.8	856.5	0.00	0.00	0.00
4,400.0	0.00	0.00	4,244.3	-815.5	261.8	856.5	0.00	0.00	0.00
4,500.0	0.00	0.00	4,344.3	-815.5	261.8	856.5	0.00	0.00	0.00
4,600.0	0.00	0.00	4,444.3	-815.5	261.8	856.5	0.00	0.00	0.00
4,700.0	0.00	0.00	4,544.3	-815.5	261.8	856.5	0.00	0.00	0.00
4,717.7	0.00	0.00	4,562.0	-815.5	261.8	856.5	0.00	0.00	0.00
Massive Cliff House									
4,762.7	0.00	0.00	4,607.0	-815.5	261.8	856.5	0.00	0.00	0.00
Menefee									
4,800.0	0.00	0.00	4,644.3	-815.5	261.8	856.5	0.00	0.00	0.00
4,900.0	0.00	0.00	4,744.3	-815.5	261.8	856.5	0.00	0.00	0.00
4,912.7	0.00	0.00	4,757.0	-815.5	261.8	856.5	0.00	0.00	0.00
Klein #28N - ICP (APD)									
5,000.0	0.00	0.00	4,844.3	-815.5	261.8	856.5	0.00	0.00	0.00
5,100.0	0.00	0.00	4,944.3	-815.5	261.8	856.5	0.00	0.00	0.00
5,200.0	0.00	0.00	5,044.3	-815.5	261.8	856.5	0.00	0.00	0.00
5,300.0	0.00	0.00	5,144.3	-815.5	261.8	856.5	0.00	0.00	0.00
5,307.7	0.00	0.00	5,152.0	-815.5	261.8	856.5	0.00	0.00	0.00
Point Lookout									
5,400.0	0.00	0.00	5,244.3	-815.5	261.8	856.5	0.00	0.00	0.00
5,500.0	0.00	0.00	5,344.3	-815.5	261.8	856.5	0.00	0.00	0.00
5,600.0	0.00	0.00	5,444.3	-815.5	261.8	856.5	0.00	0.00	0.00
5,632.7	0.00	0.00	5,477.0	-815.5	261.8	856.5	0.00	0.00	0.00
Mancos									
5,700.0	0.00	0.00	5,544.3	-815.5	261.8	856.5	0.00	0.00	0.00
5,800.0	0.00	0.00	5,644.3	-815.5	261.8	856.5	0.00	0.00	0.00
5,900.0	0.00	0.00	5,744.3	-815.5	261.8	856.5	0.00	0.00	0.00
6,000.0	0.00	0.00	5,844.3	-815.5	261.8	856.5	0.00	0.00	0.00
6,100.0	0.00	0.00	5,944.3	-815.5	261.8	856.5	0.00	0.00	0.00
6,200.0	0.00	0.00	6,044.3	-815.5	261.8	856.5	0.00	0.00	0.00
6,300.0	0.00	0.00	6,144.3	-815.5	261.8	856.5	0.00	0.00	0.00
6,357.7	0.00	0.00	6,202.0	-815.5	261.8	856.5	0.00	0.00	0.00
Upper Gallup									
6,400.0	0.00	0.00	6,244.3	-815.5	261.8	856.5	0.00	0.00	0.00
6,500.0	0.00	0.00	6,344.3	-815.5	261.8	856.5	0.00	0.00	0.00
6,600.0	0.00	0.00	6,444.3	-815.5	261.8	856.5	0.00	0.00	0.00
6,700.0	0.00	0.00	6,544.3	-815.5	261.8	856.5	0.00	0.00	0.00
6,800.0	0.00	0.00	6,644.3	-815.5	261.8	856.5	0.00	0.00	0.00
6,900.0	0.00	0.00	6,744.3	-815.5	261.8	856.5	0.00	0.00	0.00
7,000.0	0.00	0.00	6,844.3	-815.5	261.8	856.5	0.00	0.00	0.00
7,100.0	0.00	0.00	6,944.3	-815.5	261.8	856.5	0.00	0.00	0.00

Database:	EDM Central Planning	Local Co-ordinate Reference:	Well Klein #28N
Company:	ConocoPhillips SJBU	TVD Reference:	RKB @ 6777.0ft (Original Well Elev)
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Site:	Other Named Wells	North Reference:	True
Well:	Klein #28N	Survey Calculation Method:	Minimum Curvature
Wellbore:	Principal Wellbore		
Design:	Plan #2 (Sundry)		

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	7,044.3	-815.5	261.8	856.5	0.00	0.00	0.00
7,236.7	0.00	0.00	7,081.0	-815.5	261.8	856.5	0.00	0.00	0.00
Greenhorn									
7,292.7	0.00	0.00	7,137.0	-815.5	261.8	856.5	0.00	0.00	0.00
Graneros									
7,300.0	0.00	0.00	7,144.3	-815.5	261.8	856.5	0.00	0.00	0.00
7,348.7	0.00	0.00	7,193.0	-815.5	261.8	856.5	0.00	0.00	0.00
Two Wells									
7,400.0	0.00	0.00	7,244.3	-815.5	261.8	856.5	0.00	0.00	0.00
7,433.7	0.00	0.00	7,278.0	-815.5	261.8	856.5	0.00	0.00	0.00
Upper Cubero									
7,465.7	0.00	0.00	7,310.0	-815.5	261.8	856.5	0.00	0.00	0.00
Lower Cubero									
7,493.7	0.00	0.00	7,338.0	-815.5	261.8	856.5	0.00	0.00	0.00
Oak Canyon									
7,500.0	0.00	0.00	7,344.3	-815.5	261.8	856.5	0.00	0.00	0.00
7,537.7	0.00	0.00	7,382.0	-815.5	261.8	856.5	0.00	0.00	0.00
Encinal									
7,600.0	0.00	0.00	7,444.3	-815.5	261.8	856.5	0.00	0.00	0.00
7,629.7	0.00	0.00	7,474.0	-815.5	261.8	856.5	0.00	0.00	0.00
Total Depth - Production - Klein #28N PCP									

Targets

Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
Klein 28N - ACP (APD) - plan hits target center - Circle (radius 100.0)	0.00	0.00	3,600.0	-815.5	261.8	1,981,224.79	605,411.22	36° 26' 40.053 N	107° 28' 29.805 W
Klein #28N - ICP - plan hits target center - Circle (radius 100.0)	0.00	0.00	3,300.0	-815.5	261.8	1,981,224.79	605,411.22	36° 26' 40.053 N	107° 28' 29.805 W
Klein #28N - ICP (APD) - plan hits target center - Circle (radius 100.0)	0.00	0.00	4,757.0	-815.5	261.8	1,981,224.79	605,411.22	36° 26' 40.053 N	107° 28' 29.805 W
Klein #28N PCP - plan hits target center - Circle (radius 100.0)	0.00	0.00	7,474.0	-815.5	261.8	1,981,224.74	605,411.22	36° 26' 40.053 N	107° 28' 29.805 W

Casing Points

Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (")	Hole Diameter (")
7,629.7	7,474.0	Production	4-1/2	6-1/4
200.0	200.0	Surface	9-5/8	12-1/4
3,455.7	3,300.0	Intermediate	7	8-3/4

Database:	EDM Central Planning	Local Co-ordinate Reference:	Well Klein #28N
Company:	ConocoPhillips SJBU	TVD Reference:	RKB @ 6777.0ft (Original Well Elev)
Project:	San Juan Basin - New Mexico West Wells	MD Reference:	RKB @ 6777.0ft (Original Well Elev)
Site:	Other Named Wells	North Reference:	True
Well:	Klein #28N	Survey Calculation Method:	Minimum Curvature
Wellbore:	Principal Wellbore		
Design:	Plan #2 (Sundry)		

Formations

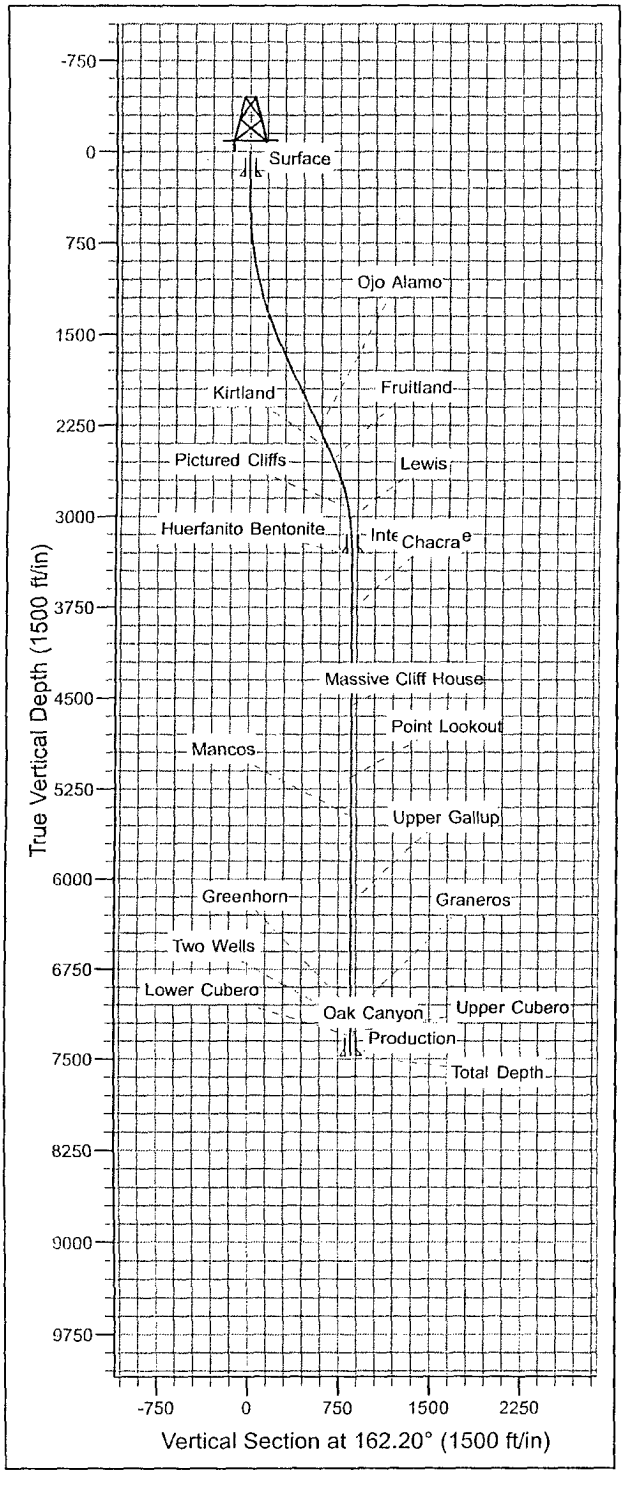
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)
7,537.7	7,382.0	Encinal		0.00	
7,465.7	7,310.0	Lower Cubero		0.00	
7,292.7	7,137.0	Graneros		0.00	
2,563.0	2,439.0	Kirtland		0.00	
7,348.7	7,193.0	Two Wells		0.00	
4,717.7	4,562.0	Massive Cliff House		0.00	
4,762.7	4,607.0	Menefee		0.00	
5,307.7	5,152.0	Point Lookout		0.00	
3,477.7	3,322.0	Huerfanito Bentonite		0.00	
7,629.7	7,474.0	Total Depth		0.00	
3,930.7	3,775.0	Chacra		0.00	
2,654.4	2,522.0	Fruitland		0.00	
7,236.7	7,081.0	Greenhorn		0.00	
3,171.7	3,017.0	Lewis		0.00	
5,632.7	5,477.0	Mancos		0.00	
3,080.3	2,927.0	Pictured Cliffs		0.00	
7,493.7	7,338.0	Oak Canyon		0.00	
6,357.7	6,202.0	Upper Gallup		0.00	
7,433.7	7,278.0	Upper Cubero		0.00	
2,376.7	2,270.0	Ojo Alamo		0.00	

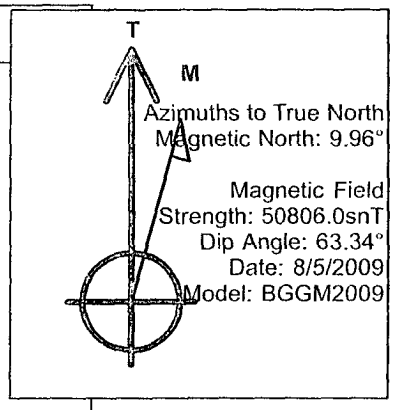
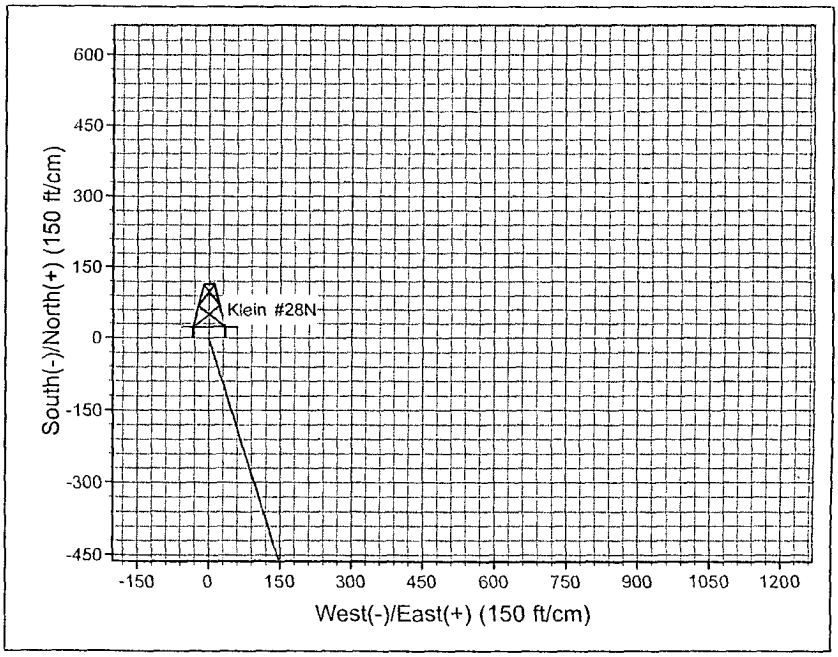
REFERENCE INFORMATION	
RKB @ 6777.0ft (Original Well Elev)	Project: San Juan Basin - New Mexico West W
Ground Elevation 6761.0	Site: Other Named Wells
Reference Lat: 36° 26' 48.118 N	Well: Klein #28N
Reference Long: 107° 28' 33.009 W	ellbore: Principal Wellbore
	Design: Plan #2 (Sundry)

ConocoPhillips

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	400.0	0.00	0.00	400.0	0.0	0.0	0.00	0.00	0.0	
3	1644.1	24.88	162.20	1605.4	-253.2	81.3	2.00	162.20	265.9	
4	2626.3	24.88	162.20	2496.4	-646.7	207.6	0.00	0.00	679.2	
5	3455.7	0.00	0.00	3300.0	-815.5	261.8	3.00	180.00	856.5	Klein #28N - ICP
6	7629.7	0.00	0.00	7474.0	-815.5	261.8	0.00	0.00	856.5	Klein #28N PCP



FORMATION TOP DETAILS

TVDPath	MDPath	Formation
2270.0	2376.7	Ojo Alamo
2439.0	2563.0	Kirtland
2522.0	2654.4	Fruitland
2927.0	3080.3	Pictured Cliffs
3017.0	3171.7	Lewis
3322.0	3477.7	Huerfanito Bentonite
3775.0	3930.7	Chacra
4562.0	4717.7	Massive Cliff House
4607.0	4762.7	Menefee
5152.0	5307.7	Point Lookout
5477.0	5632.7	Mancos
6202.0	6357.7	Upper Gallup
7081.0	7236.7	Greenhorn
7137.0	7292.7	Graneros
7193.0	7348.7	Two Wells
7278.0	7433.7	Upper Cubero
7310.0	7465.7	Lower Cubero
7338.0	7493.7	Oak Canyon
7382.0	7537.7	Encinal
7474.0	7629.7	Total Depth