

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

JUN 06 2011

1a. Type of Work DRILL	5. Lease Number SF - 080869 Unit Reporting Number	
1b. Type of Well GAS	6. If Indian, All. or Tribe	
2. Operator BURLINGTON RESOURCES Oil & Gas Company, LP	7. Unit Agreement Name DE-NMNM73843 MV-NMNM76432	
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700	8. Farm or Lease Name Davis A Federal 9. Well Number 1N	
4. Location of Well Surface: Unit M(SWSW), 504' FSL & 242' FWL BHL: Unit M(SWSW), 710' FSL & 710' FWL Surface: Latitude: 36.7771859° N (NAD83) Longitude: 107.9507599° W BHL : Latitude: 36.7777310° N (NAD83) Longitude: 107.9491587°	10. Field, Pool, Wildcat Blanco MV / Basin DK 11. Sec., Twn, Rge, Mer. (NMPM) Sec. 25, T30N, R11W API # 30-045-35290	
14. Distance in Miles from Nearest Town 6 miles from Aztec, NM	12. County San Juan	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 710'		
16. Acres in Lease 158.470	17. Acres Assigned to Well 314.89 acres W/2 MV 320.00 acres W/2 DK 314.89	
18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease 1458 from Murphy B 1 (FC / PC)		
19. Proposed Depth 6898'	20. Rotary or Cable Tools Rotary	
21. Elevations (DF, FT, GR, Etc.) 5906' GL	22. Approx. Date Work will Start DRILLING OPERATIONS AUTHORIZED ARE SUBJECT TO COMPLIANCE WITH ATTACHED "GENERAL REQUIREMENTS".	
23. Proposed Casing and Cementing Program See Operations Plan attached		
24. Authorized by: <u>Arleen R. Kellywood</u> Arleen R. Kellywood (Staff Regulatory Tech)	<u>6/6/11</u> Date	

PERMIT NO.

APPROVAL DATE

APPROVED BY [Signature]

TITLE AFM

DATE 8/29/11

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

NOTIFY AZTEC OCD 24 HRS. SEP 20 2011
PRIOR TO CASING & CEMENT W NMOC

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

JUN 06 2011

Revised July 16, 2010

Revised July 16, 2010
Farmington Field Office
Submit one copy to appropriate
Bureau or Case Management District Office

DISTRICT IV
1220 S. St. Francis Dr., Santa Fe, N.M. 87505

State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION

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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number 30-045- 35290		*Pool Code 72319/71599	*Pool Name basin Blanco MESA VERDE / DAKOTA	
*Property Code 24999	*Property Name DAVIS A FEDERAL			*Well Number 1N
*OGRID No. 14538	*Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY LP			*Elevation 5906

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	25	30 N	11 W	LOT 12	504	SOUTH	242	WEST	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
M	25	30 N	11 W	LOT 12	710	SOUTH	710	WEST	SAN JUAN

¹² Dedicated Acres 314.89 (W/2) MV 320.00 (W/2) DK	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
---	-------------------------------	----------------------------------	-------------------------

314. 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

OR A NON-STANDARD UNIT HAS BEEN APPROVED

USA SF-079962

FOUND 1969 B.L.M. BRASS CAP N 88°22'56" W - 2592.72'

FOUND 1969 B.L.M. BRASS CAP N 88°30'59" W 2593.26' FOUND 1967 B.L.M. BRASS CAP

○ = SURFACE LOCATION
● = BOTTOM HOLE LOCATION

LOT 4 (39.14) LOT 3 (39.09)
LOT 5 (39.12) LOT 6 (39.07)

G.N.=GRID NORTH
T.N.=TRUE NORTH
CONVERGENCE AT SURFACE LOCATION 0°04'13"

BEARINGS & DISTANCES SHOWN ARE REFERENCED TO THE NEW MEXICO COORDINATE SYSTEM, WEST ZONE, NAD 83, UNLESS OTHERWISE NOTED.

SECTION 25

USA SF-080869

FOUND 1969 B.L.M. BRASS CAP S 0°25'32" W-2655.57' (CALCULATED) N 67°07'57" E 509.19'

LOT 11 (39.38) BHL LAT: 36.7777310° N LONG: 107.9491587° W NAD 83
LAT: 36°46.66359' N LONG: 107°56.91221' W NAD 27

LOT 10 (39.31) LOT 9 (39.17)

SURFACE LOT 12 (39.83) LOT 13 (39.48) LAT: 36.7771859° N LONG: 107.9507599° W NAD 83
LAT: 36°46.63088' N LONG: 107°57.00828' W NAD 27

LOT 14 (39.37) LOT 15 (39.23)

D.P.P. SEC. COR. 710' 242' 504' 710' (CALCULATED) N 89°00'22" W-2606.76'

FOUND 1969 B.L.M. BRASS CAP N 88°58'41" W 2605.98' FOUND 1967 B.L.M. BRASS CAP

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 Bronie Blabley Date _____

Brandie Blakley 1/17/11
Printed Name

blaklbn@conocophillips.com
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.

12/28/10

Date of Survey _____

Signature and Seal of Professional Surveyor



13-00000

17078

17070

(Signature)

[Handwritten signature]

17078

Certificate Number

SECRET

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

DAVIS A FEDERAL 1N

DEVELOPMENT

Lease:		AFE #: WAN.CDR.0141				AFE \$: 675,970.20	
Field Name: SAN JUAN		Rig: Aztec Rig 920		State: NM	County: SAN JUAN		API #:
Geologist:	Phone:	Geophysicist:		Phone:			
Geoscientist:	Phone:	Prod. Engineer:		Phone:			
Res. Engineer:	Phone:	Proj. Field Lead:		Phone:			
Primary Objective (Zones):							
Zone	Zone Name						
R20002	MESAVARDE(R20002)						
R20076	DAKOTA(R20076)						
Location: Surface Datum Code: NAD 27 Directional							
Latitude: 36.777181	Longitude: -107.950138	X:	Y:	Section: 25		Range: 011W	
Footage X: 242 FWL	Footage Y: 504 FSL	Elevation: 5906 (FT)		Township: 030N			
Tolerance:							
Location: Bottom Hole Datum Code: NAD 27 Directional							
Latitude: 36.777726	Longitude: -107.948537	X:	Y:	Section: 25		Range: 011W	
Footage X: 1302 FWL	Footage Y: 2410 FSL	Elevation: (FT)		Township: 030N			
Tolerance:							
Location Type: Year Round		Start Date (Est.): 1/1/2011		Completion Date:		Date In Operation:	
Formation Data: Assume KB = 5921 Units = FT							
Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	MD (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks
Surface Casing	200	5721		☐			12-1/4 hole. 9 5/8" 32.3 ppf, H-40, STC casing. Cement with 144 cuft. Circulate cement to surface.
OJO ALAMO	971	4950		☐			
KIRTLAND	1095	4826		☐			
FRUITLAND	1737	4184		☐			Possible Gas
PICTURED CLIFFS	2301	3620		☐			
LEWIS	2449	3472		☐			
HUERFANITO BENTONITE	3037	2884		☐			
CHACRA	3311	2610		☐			
UPPER CLIFF HOUSE	3862	2059		☐			Gas; Cliffhouse is wet
MASSIVE CLIFF HOUSE	3968	1953		☐	561		Gas
MENEFEE	4047	1874		☐			Est. Top Perf - 4247 (1674)
Intermediate Casing	4197	1724		☐		144	8 3/4" Hole. 7", 23 ppf, J-55, LTC Casing. Cement with 952 cuft. Circulate cement to surface.
POINT LOOKOUT	4593	1328		☐			
MANCOS	4991	930		☐			
UPPER GALLUP	5855	66		☐			
GREENHORN	6593	-672		☐			
GRANEROS	6651	-730		☐			
TWO WELLS	6713	-792		☐	1699		Gas
PAGUATE	6777	-856		☐			
LOWER CUBERO	6831	-910		☐			Est. Btm Perf - 6878 (- 957) based on offset wells
UPPER CUBERO	6831	-910		☐			

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

DAVIS A FEDERAL 1N

DEVELOPMENT

ENCINAL	6883	-962	☐	TD - 15' below T/ENCN
Total Depth	6898	-977	☐	199 6-1/4" hole, 4-1/2" 11.6 ppf, J-55/L-80, LTC casing. Cement w/ 372 cuft. Circulate cement a minimum of 100' inside the previous casing string.

Reference Wells:		
Reference Type	Well Name	Comments
Production	Davis A Federal 1M	30N 11W 25 SW NE SW
Production	Minns State 1-36	30N 11W 36 NW NW
Production	Fogelson Gas Com 1R	30N 11W 26 C NE SE
Production	Fogelson 1-26	30N 11W 26 SE 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

ConocoPhillips or its affiliates

Planning Report

Database:	EDM Central Planning	Local Co-ordinate Reference:	Well Davis A Federal 1N
Company:	ConocoPhillips SJB	TVD Reference:	WELL @ 5921.0ft (Original Well Elev)
Project:	San Juan Basin - New Mexico Central Wells	MD Reference:	WELL @ 5921.0ft (Original Well Elev)
Site:	Other Named Wells	North Reference:	True
Well:	Davis A Federal 1N	Survey Calculation Method:	Minimum Curvature
Wellbore:	Davis A Federal 1N		
Design:	Plan #1		

Project	San Juan Basin - New Mexico Central 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 Central 3002		Using geodetic scale factor

Site	Other Named Wells				
Site Position:		Northing:	1,995,375.60ft	Latitude:	36° 28' 35.436 N
From:	Lat/Long	Easting:	107,943.61ft	Longitude:	107° 35' 0.564 W
Position Uncertainty:	3.5 ft	Slot Radius:	6-1/8"	Grid Convergence:	-0.79 °

Well	Davis A Federal 1N, S - Curve Short					
Well Position	+N/-S	0.0 ft	Northing:	2,106,545.29 ft	Latitude:	36° 46' 37.869 N
	+E/-W	0.0 ft	Easting:	1,894.26 ft	Longitude:	107° 57' 2.736 W
Position Uncertainty		0.0 ft	Wellhead Elevation:	ft	Ground Level:	5,906.0 ft

Wellbore	Davis A Federal 1N				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	BGGM2010	5/20/2011	9.97	63.50	50,737

Design		Plan #1		
Audit Notes:				
Version:	Phase:	PLAN	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)
	0.0	0.0	0.0	67.06

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	
2,000.0	0.00	0.00	2,000.0	0.0	0.0	0.00	0.00	0.00	0.00	
3,080.0	21.60	67.06	3,054.6	78.4	185.3	2.00	2.00	0.00	67.06	
3,552.5	21.60	67.06	3,493.9	146.2	345.5	0.00	0.00	0.00	0.00	
4,272.5	0.00	0.00	4,197.0	198.5	469.0	3.00	-3.00	0.00	180.00	Davis A Federal 1N
6,973.5	0.00	0.00	6,898.0	198.5	469.0	0.00	0.00	0.00	0.00	Davis A Federal 1N

ConocoPhillips or its affiliates

Planning Report

Database:	EDM Central Planning	Local Co-ordinate Reference:	Well Davis A Federal 1N
Company:	ConocoPhillips SJBU	TVD Reference:	WELL @ 5921.0ft (Original Well Elev)
Project:	San Juan Basin - New Mexico Central Wells	MD Reference:	WELL @ 5921.0ft (Original Well Elev)
Site:	Other Named Wells	North Reference:	True
Well:	Davis A Federal 1N	Survey Calculation Method:	Minimum Curvature
Wellbore:	Davis A Federal 1N		
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
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	0.00	0.00	600.0	0.0	0.0	0.0	0.00	0.00	0.00
700.0	0.00	0.00	700.0	0.0	0.0	0.0	0.00	0.00	0.00
800.0	0.00	0.00	800.0	0.0	0.0	0.0	0.00	0.00	0.00
900.0	0.00	0.00	900.0	0.0	0.0	0.0	0.00	0.00	0.00
971.0	0.00	0.00	971.0	0.0	0.0	0.0	0.00	0.00	0.00
Ojo Alamo									
1,000.0	0.00	0.00	1,000.0	0.0	0.0	0.0	0.00	0.00	0.00
1,095.0	0.00	0.00	1,095.0	0.0	0.0	0.0	0.00	0.00	0.00
Kirtland									
1,100.0	0.00	0.00	1,100.0	0.0	0.0	0.0	0.00	0.00	0.00
1,200.0	0.00	0.00	1,200.0	0.0	0.0	0.0	0.00	0.00	0.00
1,300.0	0.00	0.00	1,300.0	0.0	0.0	0.0	0.00	0.00	0.00
1,400.0	0.00	0.00	1,400.0	0.0	0.0	0.0	0.00	0.00	0.00
1,500.0	0.00	0.00	1,500.0	0.0	0.0	0.0	0.00	0.00	0.00
1,600.0	0.00	0.00	1,600.0	0.0	0.0	0.0	0.00	0.00	0.00
1,700.0	0.00	0.00	1,700.0	0.0	0.0	0.0	0.00	0.00	0.00
1,737.0	0.00	0.00	1,737.0	0.0	0.0	0.0	0.00	0.00	0.00
Fruitland									
1,800.0	0.00	0.00	1,800.0	0.0	0.0	0.0	0.00	0.00	0.00
1,900.0	0.00	0.00	1,900.0	0.0	0.0	0.0	0.00	0.00	0.00
2,000.0	0.00	0.00	2,000.0	0.0	0.0	0.0	0.00	0.00	0.00
2,100.0	2.00	67.06	2,100.0	0.7	1.6	1.7	2.00	2.00	0.00
2,200.0	4.00	67.06	2,199.8	2.7	6.4	7.0	2.00	2.00	0.00
2,300.0	6.00	67.06	2,299.5	6.1	14.5	15.7	2.00	2.00	0.00
2,301.6	6.03	67.06	2,301.0	6.2	14.6	15.9	2.00	2.00	0.00
Pictured Cliffs									
2,400.0	8.00	67.06	2,398.7	10.9	25.7	27.9	2.00	2.00	0.00
2,450.9	9.02	67.06	2,449.0	13.8	32.6	35.4	2.00	2.00	0.00
Lewis									
2,500.0	10.00	67.06	2,497.5	17.0	40.1	43.5	2.00	2.00	0.00
2,600.0	12.00	67.06	2,595.6	24.4	57.7	62.6	2.00	2.00	0.00
2,700.0	14.00	67.06	2,693.1	33.2	78.4	85.1	2.00	2.00	0.00
2,800.0	16.00	67.06	2,789.6	43.3	102.2	111.0	2.00	2.00	0.00
2,900.0	18.00	67.06	2,885.3	54.6	129.1	140.2	2.00	2.00	0.00
3,000.0	20.00	67.06	2,979.8	67.3	159.1	172.8	2.00	2.00	0.00
3,061.1	21.22	67.06	3,037.0	75.7	178.9	194.3	2.00	2.00	0.00
Huerfano Bentonite									
3,080.0	21.60	67.06	3,054.6	78.4	185.3	201.2	2.00	2.00	0.00
3,100.0	21.60	67.06	3,073.2	81.3	192.0	208.5	0.00	0.00	0.00
3,200.0	21.60	67.06	3,166.2	95.6	226.0	245.4	0.00	0.00	0.00
3,300.0	21.60	67.06	3,259.2	110.0	259.9	282.2	0.00	0.00	0.00
3,355.8	21.60	67.06	3,311.0	118.0	278.8	302.7	0.00	0.00	0.00
Chacra									
3,400.0	21.60	67.06	3,352.1	124.3	293.8	319.0	0.00	0.00	0.00
3,500.0	21.60	67.06	3,445.1	138.7	327.7	355.8	0.00	0.00	0.00
3,552.5	21.60	67.06	3,493.9	146.2	345.5	375.1	0.00	0.00	0.00
3,600.0	20.18	67.06	3,538.3	152.8	361.1	392.0	3.00	-3.00	0.00

ConocoPhillips or its affiliates

Planning Report

Database:	EDM Central Planning	Local Co-ordinate Reference:	Well Davis A Federal 1N
Company:	ConocoPhillips SJBU	TVD Reference:	WELL @ 5921.0ft (Original Well Elev)
Project:	San Juan Basin - New Mexico Central Wells	MD Reference:	WELL @ 5921.0ft (Original Well Elev)
Site:	Other Named Wells	North Reference:	True
Well:	Davis A Federal 1N	Survey Calculation Method:	Minimum Curvature
Wellbore:	Davis A Federal 1N		
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)
3,700.0	17.18	67.06	3,633.0	165.3	390.5	424.1	3.00	-3.00	0.00
3,800.0	14.18	67.06	3,729.3	175.8	415.4	451.1	3.00	-3.00	0.00
3,900.0	11.18	67.06	3,826.8	184.3	435.6	473.0	3.00	-3.00	0.00
3,935.8	10.10	67.06	3,862.0	186.9	441.7	479.6	3.00	-3.00	0.00
Upper Cliff House									
4,000.0	8.18	67.06	3,925.4	190.9	451.1	489.8	3.00	-3.00	0.00
4,043.0	6.89	67.06	3,968.0	193.1	456.3	495.5	3.00	-3.00	0.00
Mass. Cliff House									
4,100.0	5.18	67.06	4,024.7	195.4	461.8	501.5	3.00	-3.00	0.00
4,122.4	4.50	67.06	4,047.0	196.2	463.5	503.3	3.00	-3.00	0.00
Menefee									
4,200.0	2.18	67.06	4,124.5	197.9	467.7	507.9	3.00	-3.00	0.00
4,272.5	0.00	0.00	4,197.0	198.5	469.0	509.2	3.00	-3.00	0.00
Interm. TD - ICP - Davis A Federal 1N - ICP									
4,300.0	0.00	0.00	4,224.5	198.5	469.0	509.2	0.00	0.00	0.00
4,400.0	0.00	0.00	4,324.5	198.5	469.0	509.2	0.00	0.00	0.00
4,500.0	0.00	0.00	4,424.5	198.5	469.0	509.2	0.00	0.00	0.00
4,600.0	0.00	0.00	4,524.5	198.5	469.0	509.2	0.00	0.00	0.00
4,668.5	0.00	0.00	4,593.0	198.5	469.0	509.2	0.00	0.00	0.00
Point Lookout									
4,700.0	0.00	0.00	4,624.5	198.5	469.0	509.2	0.00	0.00	0.00
4,800.0	0.00	0.00	4,724.5	198.5	469.0	509.2	0.00	0.00	0.00
4,900.0	0.00	0.00	4,824.5	198.5	469.0	509.2	0.00	0.00	0.00
5,000.0	0.00	0.00	4,924.5	198.5	469.0	509.2	0.00	0.00	0.00
5,066.5	0.00	0.00	4,991.0	198.5	469.0	509.2	0.00	0.00	0.00
Mancos									
5,100.0	0.00	0.00	5,024.5	198.5	469.0	509.2	0.00	0.00	0.00
5,200.0	0.00	0.00	5,124.5	198.5	469.0	509.2	0.00	0.00	0.00
5,300.0	0.00	0.00	5,224.5	198.5	469.0	509.2	0.00	0.00	0.00
5,400.0	0.00	0.00	5,324.5	198.5	469.0	509.2	0.00	0.00	0.00
5,500.0	0.00	0.00	5,424.5	198.5	469.0	509.2	0.00	0.00	0.00
5,600.0	0.00	0.00	5,524.5	198.5	469.0	509.2	0.00	0.00	0.00
5,700.0	0.00	0.00	5,624.5	198.5	469.0	509.2	0.00	0.00	0.00
5,800.0	0.00	0.00	5,724.5	198.5	469.0	509.2	0.00	0.00	0.00
5,900.0	0.00	0.00	5,824.5	198.5	469.0	509.2	0.00	0.00	0.00
5,930.5	0.00	0.00	5,855.0	198.5	469.0	509.2	0.00	0.00	0.00
Upper Gallup									
6,000.0	0.00	0.00	5,924.5	198.5	469.0	509.2	0.00	0.00	0.00
6,100.0	0.00	0.00	6,024.5	198.5	469.0	509.2	0.00	0.00	0.00
6,200.0	0.00	0.00	6,124.5	198.5	469.0	509.2	0.00	0.00	0.00
6,300.0	0.00	0.00	6,224.5	198.5	469.0	509.2	0.00	0.00	0.00
6,400.0	0.00	0.00	6,324.5	198.5	469.0	509.2	0.00	0.00	0.00
6,500.0	0.00	0.00	6,424.5	198.5	469.0	509.2	0.00	0.00	0.00
6,600.0	0.00	0.00	6,524.5	198.5	469.0	509.2	0.00	0.00	0.00
6,668.5	0.00	0.00	6,593.0	198.5	469.0	509.2	0.00	0.00	0.00
Greenhorn									
6,700.0	0.00	0.00	6,624.5	198.5	469.0	509.2	0.00	0.00	0.00
6,726.5	0.00	0.00	6,651.0	198.5	469.0	509.2	0.00	0.00	0.00
Graners									
6,788.5	0.00	0.00	6,713.0	198.5	469.0	509.2	0.00	0.00	0.00
Two Wells									
6,800.0	0.00	0.00	6,724.5	198.5	469.0	509.2	0.00	0.00	0.00

ConocoPhillips or its affiliates

Planning Report

Database:	EDM Central Planning	Local Co-ordinate Reference:	Well Davis A Federal 1N
Company:	ConocoPhillips SJBU	TVD Reference:	WELL @ 5921.0ft (Original Well Elev)
Project:	San Juan Basin - New Mexico Central Wells	MD Reference:	WELL @ 5921.0ft (Original Well Elev)
Site:	Other Named Wells	North Reference:	True
Well:	Davis A Federal 1N	Survey Calculation Method:	Minimum Curvature
Wellbore:	Davis A Federal 1N		
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)
6,852.5	0.00	0.00	6,777.0	198.5	469.0	509.2	0.00	0.00	0.00
Paguate									
6,900.0	0.00	0.00	6,824.5	198.5	469.0	509.2	0.00	0.00	0.00
6,906.5	0.00	0.00	6,831.0	198.5	469.0	509.2	0.00	0.00	0.00
Lower Cubero									
6,958.5	0.00	0.00	6,883.0	198.5	469.0	509.2	0.00	0.00	0.00
Encinal									
6,973.5	0.00	0.00	6,898.0	198.5	469.0	509.2	0.00	0.00	0.00
TD - Davis A Federal 1N - 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
Davis A Federal 1N - I - plan hits target center - Point	0.00	0.00	4,197.0	198.5	469.0	2,106,735.42	2,366.77	36° 46' 39.832 N	107° 56' 56.971 W
Davis A Federal 1N - I - plan hits target center - Point	0.00	0.00	6,898.0	198.5	469.0	2,106,735.42	2,366.77	36° 46' 39.832 N	107° 56' 56.971 W

Formations

Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)
4,043.0	3,968.0	Mass. Cliff House		0.00	
2,301.6	2,301.0	Pictured Cliffs		0.00	
4,122.4	4,047.0	Menefee		0.00	
3,355.8	3,311.0	Chacra		0.00	
6,958.5	6,883.0	Encinal		0.00	
2,450.9	2,449.0	Lewis		0.00	
6,788.5	6,713.0	Two Wells		0.00	
3,935.8	3,862.0	Upper Cliff House		0.00	
971.0	971.0	Ojo Alamo		0.00	
1,095.0	1,095.0	Kirtland		0.00	
5,930.5	5,855.0	Upper Gallup		0.00	
3,061.1	3,037.0	Huerfano Bentonite		0.00	
6,726.5	6,651.0	Graneros		0.00	
6,668.5	6,593.0	Greenhorn		0.00	
5,066.5	4,991.0	Mancos		0.00	
1,737.0	1,737.0	Fruitland		0.00	
4,668.5	4,593.0	Point Lookout		0.00	
6,852.5	6,777.0	Paguate		0.00	
6,973.5	6,898.0	TD		0.00	
6,906.5	6,831.0	Lower Cubero		0.00	

ConocoPhillips or its affiliates
Planning Report

Database: EDM Central Planning
Company: ConocoPhillips SJB
Project: San Juan Basin - New Mexico Central Wells
Site: Other Named Wells
Well: Davis A Federal 1N
Wellbore: Davis A Federal 1N
Design: Plan #1

Local Co-ordinate Reference:
TVD Reference:
MD Reference:
North Reference:
Survey Calculation Method:

Well Davis A Federal 1N
WELL @ 5921.0ft (Original Well Elev)
WELL @ 5921.0ft (Original Well Elev)
True
Minimum Curvature

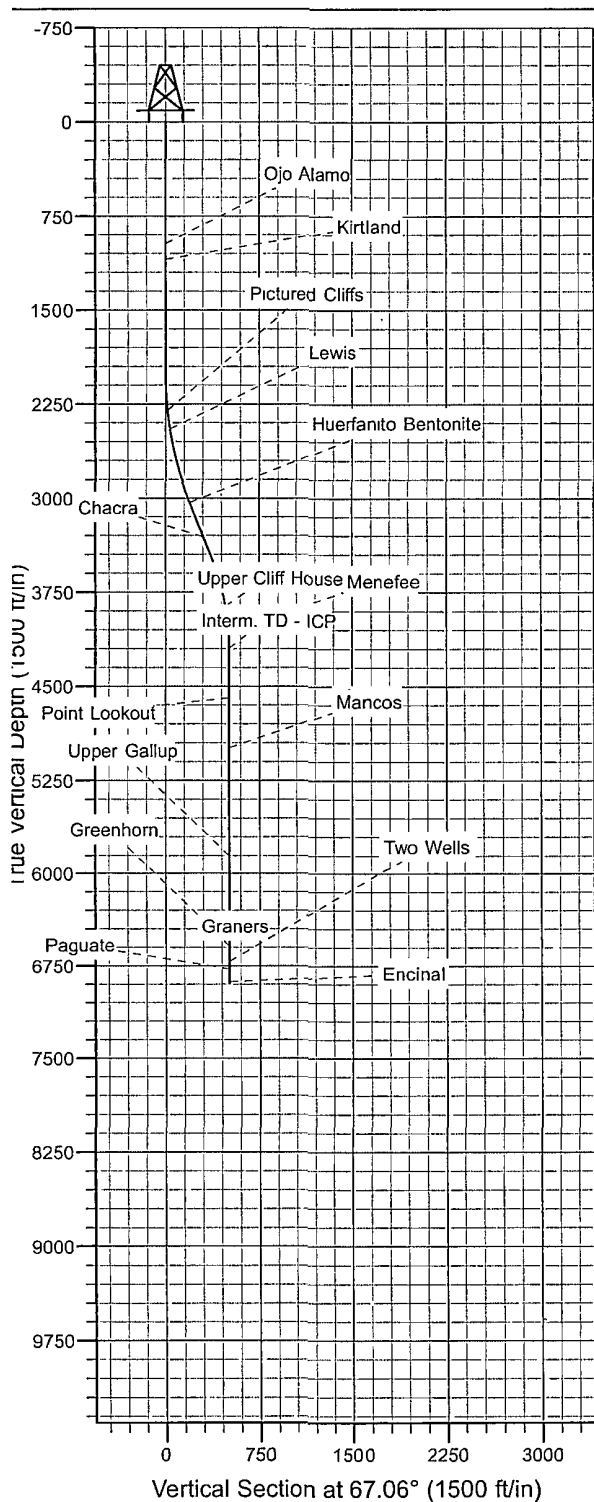
Well @ 5921.0ft (Original Well Elev)
 Ground Elevation 5906.0
 Reference Lat: 36° 46' 37.869 N
 Reference Long: 107° 57' 2.736 W

Project: San Juan Basin - New Mexico Central
 Site: Other Named Wells
 Well: Davis A Federal 1N
 Wellbore: Davis A Federal 1N
 Design: Plan #1



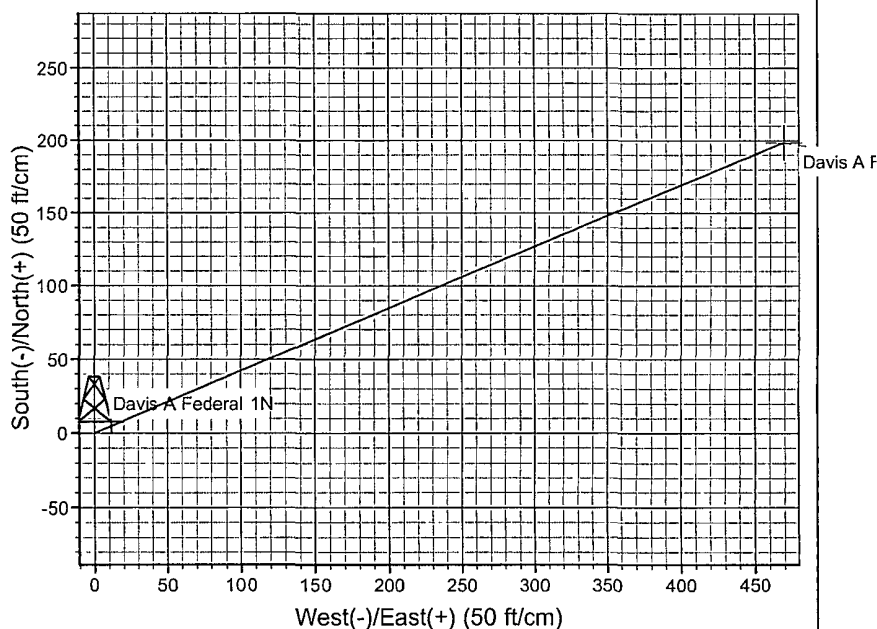
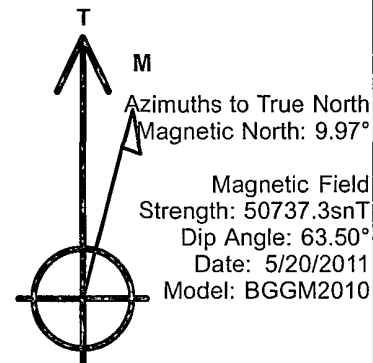
SECTION DETAILS

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	2000.0	0.00	0.00	2000.0	0.0	0.0	0.00	0.00	0.0	
3	3080.0	21.60	67.06	3054.6	78.4	185.3	2.00	67.06	201.2	
4	3552.5	21.60	67.06	3493.9	146.2	345.5	0.00	0.00	375.1	
5	4272.5	0.00	0.00	4197.0	198.5	469.0	3.00	180.00	509.2	Davis A Federal 1N - ICP
6	6973.5	0.00	0.00	6898.0	198.5	469.0	0.00	0.00	509.2	Davis A Federal 1N - PCP



FORMATION TOP DETAILS

TVD	Path	MD	Path	Formation
971.0	971.0			Ojo Alamo
1095.0	1095.0			Kirtland
1737.0	1737.0			Fruitland
2301.0	2301.6			Pictured Cliffs
2449.0	2450.9			Lewis
3037.0	3061.1			Huerfano Bentonite
3311.0	3355.8			Chacra
3862.0	3935.8			Upper Cliff House
3968.0	4043.0			Mass. Cliff House
4047.0	4122.4			Menefee
4197.0	4272.5			Interm. TD - ICP
4593.0	4668.5			Point Lookout
4991.0	5066.5			Mancos
5855.0	5930.5			Upper Gallup
6593.0	6668.5			Greenhorn
6651.0	6726.5			Graners
6713.0	6788.5			Two Wells
6777.0	6852.5			Paguete
6831.0	6906.5			Lower Cubero
6883.0	6958.5			Encinal
6898.0	6973.5			TD



BURLINGTON RESOURCES OIL & GAS COMPANY LP

DAVIS A FEDERAL 1N

504' FSL & 242' FWL (SURFACE)

710' FSL & 710' FWL (BOTTOM HOLE)

LATITUDE: 36.7771859° N

LONGITUDE: 107.9507599° W

NAD 83

SECTION 25, T-30-N, R-11-W, N.M.P.M.

SAN JUAN COUNTY, NEW MEXICO

FROM THE INTERSECTION OF NEW MEXICO STATE HIGHWAY 516 AND MAIN
STREET (U.S. HIGHWAY 550) IN AZTEC, NEW MEXICO.

TRAVEL SOUTHERLY ON U.S. HIGHWAY 550 FOR 3.9 MILES.

TURN LEFT AND TRAVEL 0.2 MILE NORTHEASTERLY.

TURN RIGHT AT "Y" IN ROAD AND TRAVEL SOUTHEASTERLY 0.2 MILE.

TURN LEFT AT "Y" IN ROAD AND

TRAVEL EASTERLY, THEN NORTHEASTERLY 0.9 MILE.

TURN RIGHT AT A "4-WAY" INTERSECTION AND

TRAVEL SOUTHEASTERLY 0.6 MILE TO

PROPOSED DAVIS A FEDERAL 1N WELL LOCATION AND ACCESS ROUTE.