

RECEIVED

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

NOV 21 2011

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG-BACK

Farmington Field Office Bureau of Land Management

1a. Type of Work DRILL
1b. Type of Well GAS
2. Operator BURLINGTON RESOURCES Oil & Gas Company, LP
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499
4. Location of Well Surface: Unit F(SE/NW), 1833' FNL & 1494' FWL
5. Lease Number SF 079962
6. If Indian, All. or Tribe NM NM - 73 843DK NM NM - 73 842-MV
7. Unit Agreement Name
8. Farm or Lease Name Davis A Federal
9. Well Number 1P
10. Field, Pool, Wildcat Blanco MV/Basin DK
11. Sec., Twn, Rge, Mer. (NMPM) Sec. 25, T30N, R11W
12. County San Juan
13. State NM
14. Distance in Miles from Nearest Town 7 miles from Aztec
15. Distance from Proposed Location to Nearest Property or Lease Line 1833'
16. Acres in Lease 593.530
17. Acres Assigned to Well 320.00 (W/2) MV, 320.00 (W/2) DK
18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease 241' from Payne 7 (PC)
19. Proposed Depth 7034'
20. Rotary or Cable Tools Rotary
21. Elevations (DF, FT, GR, Etc.) 6024' GL
22. Approx. Date Work will Start
23. Proposed Casing and Cementing Program See Operations Plan attached
24. Authorized by: Arleen Kellywood (Staff Regulatory Tech) 11-21-11 Date

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

Handwritten mark resembling a stylized 'L' or '6'.



H2S POTENTIAL EXIST

Handwritten number 31489.

Hold C104 for Directional Survey and "As Drilled" plat

RCVD JAN 30 '12 OIL CONS. DIV. DIST. 3

NOTIFY AZTEC OCD 24 HRS. PRIOR TO CASING & CEMENT

PERMIT NO. APPROVAL DATE APPROVED BY [Signature] TITLE AFM DATE 1/26/12

Archaeological Report attached Threatened and Endangered Species Report attached A gas recovery unit may or may not be used on this location. 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

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

FEB 06 2012 ca

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, 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

**RECEIVED**

Form C-102  
Revised July 16, 2010  
Submit one copy to appropriate  
District Office

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

NOV 21 2011  
18  
Farmington Field Office  
Bureau of Land Management  
**AMENDED REPORT**

**WELL LOCATION AND ACREAGE DEDICATION PLAT**

<sup>1</sup> API Number <b>30-045-35324</b>	<sup>2</sup> Pool Code <b>72319/71599</b>	<sup>3</sup> Pool Name <b>BLANCO MESA VERDE / DAKOTA</b>
<sup>4</sup> Property Code <b>24999</b>	<sup>6</sup> Property Name <b>DAVIS A FEDERAL</b>	
<sup>7</sup> GRID No. <b>14538</b>	<sup>8</sup> Operator Name <b>BURLINGTON RESOURCES OIL &amp; GAS COMPANY LP</b>	<sup>9</sup> Well Number <b>1P</b>  <sup>10</sup> Elevation <b>6024</b>

<sup>10</sup> Surface Location

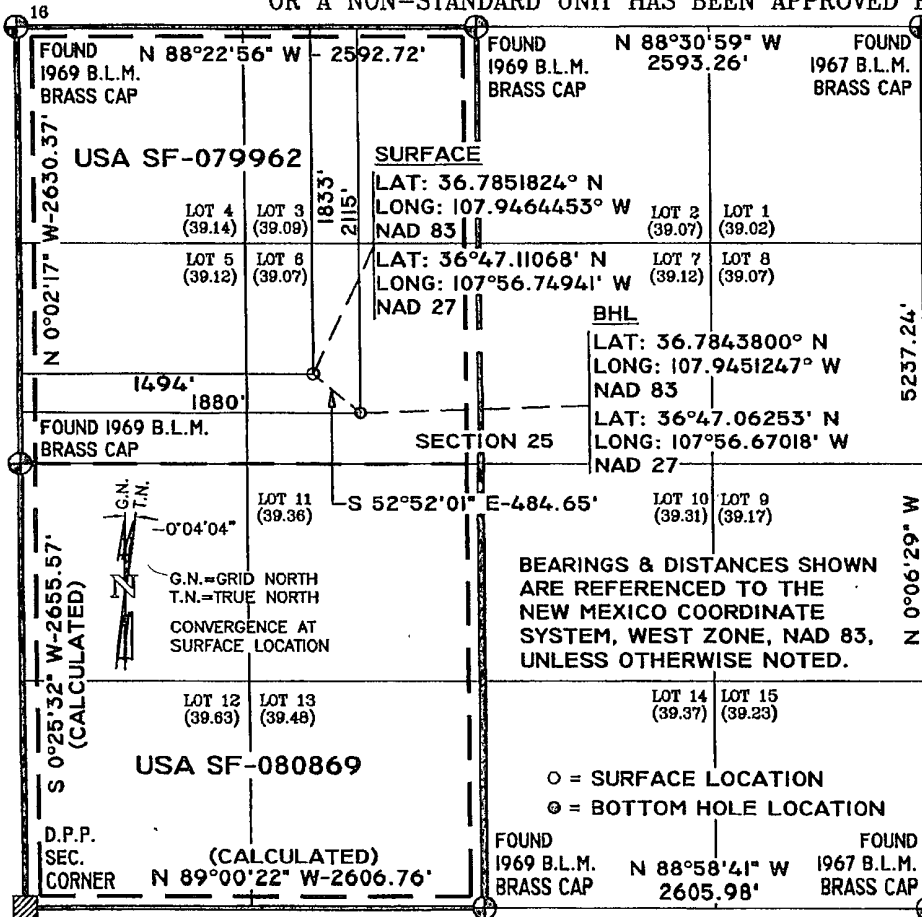
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
F	25	30 N	II W	LOT 6	1833	NORTH	1494	WEST	SAN JUAN

<sup>11</sup> 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	25	30 N	II W	LOT 6	2115	NORTH	1880	WEST	SAN JUAN

<sup>12</sup> Dedicated Acres <b>320.00 (W/2) MV</b> <b>320.00 (W/2) DK</b>	<sup>13</sup> Joint or Infill	<sup>14</sup> Consolidation Code	<sup>15</sup> 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



**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.

*Arleen Kellywood* 11-21-11  
Signature Date

Arleen Kellywood  
Printed Name

arleen.r.kellywood@conocophillip.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

*Marshall W. Lindben*  
Signature and Seal of Professional Surveyor

17078  
Certificate Number

**MARSHALL W. LINDBEN**  
NEW MEXICO  
14-11  
17078  
PROFESSIONAL SURVEYOR

**NMOCD**

# PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

DAVIS A FEDERAL 1P

DEVELOPMENT

Lease:		AFE #: WAN.CDR.0140			AFE \$:		
Field Name: SAN JUAN		Rig: Aztec Rig 920		State: NM	County: SAN JUAN		
Geologist:		Phone:		Geophysicist:		Phone:	
Geoscientist:		Phone:		Prod. Engineer:		Phone:	
Res. Engineer:		Phone:		Proj. Field Lead:		Phone:	
<b>Primary Objective (Zones):</b>							
<b>Zone</b>	<b>Zone Name</b>						
R20076	DAKOTA(R20076)						
R20002	MESAVERDE(R20002)						
<b>Location: Surface Datum Code: NAD 27 Directional</b>							
Latitude: 36.785178	Longitude: -107.945824	X:	Y:	Section: 25	Range: 011W		
Footage X: 1494 FWL	Footage Y: 1833 FNL	Elevation: 6024	(FT)	Township: 030N			
Tolerance:							
<b>Location: Bottom Hole Datum Code: NAD 27 Directional</b>							
Latitude: 36.784376	Longitude: -107.944503	X:	Y:	Section: 25	Range: 011W		
Footage X: 1880 FWL	Footage Y: 2115 FNL	Elevation:	(FT)	Township: 030N			
Tolerance:							
Location Type: Year Round		Start Date (Est.): 1/1/2013		Completion Date:		Date In Operation:	
Formation Data: Assume KB = 6039 Units = FT							
Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	MD (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks
Surface Casing	230	5809		<input type="checkbox"/>			12-1/4 hole. 9 5/8" 32.3 ppf, H-40, STC casing. Cement with 144 cuft. Circulate cement to surface.
OJO ALAMO	1078	4961		<input type="checkbox"/>			
KIRTLAND	1215	4824		<input type="checkbox"/>			
FRUITLAND	1867	4172		<input type="checkbox"/>			Possible Gas
PICTURED CLIFFS	2442	3597		<input type="checkbox"/>			
LEWIS	2579	3460		<input type="checkbox"/>			
HUERFANITO BENTONITE	3199	2840		<input type="checkbox"/>			
CHACRA	3440	2599		<input type="checkbox"/>			
UPPER CLIFF HOUSE	4011	2028		<input type="checkbox"/>			Gas; Cliffhouse is wet
MASSIVE CLIFF HOUSE	4112	1927		<input type="checkbox"/>	578		Gas
MENELEE	4226	1813		<input type="checkbox"/>			Est. Top Perf - 4426 ( 1613 )
Intermediate Casing	4376	1663		<input type="checkbox"/>		145	8 3/4" Hole. 7", 23 ppf, J-55, LTC Casing. Cement with 990 cuft. Circulate cement to surface.
POINT LOOKOUT	4743	1296		<input type="checkbox"/>			
MANCOS	5143	896		<input type="checkbox"/>			
UPPER GALLUP	5992	47		<input type="checkbox"/>			
GREENHORN	6728	-689		<input type="checkbox"/>			
GRANEROS	6786	-747		<input type="checkbox"/>			
TWO WELLS	6844	-805		<input type="checkbox"/>	1740		Gas
PAGUATE	6911	-872		<input type="checkbox"/>			
LOWER CUBERO	6969	-930		<input type="checkbox"/>			Est. Btm Perf - 7014 ( - 975 ) based on offset wells
UPPER CUBERO	6969	-930		<input checked="" type="checkbox"/>			

# PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

DAVIS A FEDERAL 1P

DEVELOPMENT

ENCINAL	7019	-980	<input type="checkbox"/>	TD - 15' below T/ENCN
Total Depth	7034	-995	<input type="checkbox"/>	200 6-1/4" hole, 4-1/2" 11.6 ppf, J-55/L-80, LTC casing. Cement w/ 366 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	Nye SRC 15N	30N 11W 25 E2 NW NE
Production	Nye 15	30N 11W 25 SW NE NE
Production	Fogelson Gas Com 1R	30N 11W 26 C NE 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

<b>Database:</b>	EDM Central Planning	<b>Local Coordinate Reference:</b>	Well Davis A Federal 1P
<b>Company:</b>	ConocoPhillips SJB	<b>TVD Reference:</b>	WELL @ 6039.0ft (Original Well Elev)
<b>Project:</b>	San Juan Basin - New Mexico Central Wells	<b>MD Reference:</b>	WELL @ 6039.0ft (Original Well Elev)
<b>Site:</b>	Other Named Wells	<b>North Reference:</b>	True
<b>Well:</b>	Davis A Federal 1P	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Davis A Federal 1P		
<b>Design:</b>	Plan #1		

<b>Project:</b>	San Juan Basin - New Mexico Central Wells, New Mexico, Directional "S"		
<b>Map System:</b>	US State Plane 1927 (Exact solution)	<b>System Datum:</b>	Mean Sea Level
<b>Geo Datum:</b>	NAD 1927 (NADCON CONUS)		
<b>Map Zone:</b>	New Mexico Central 3002		Using geodetic scale factor

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

<b>Well:</b>	Davis A Federal 1P, S - Curve Short					
<b>Well Position</b>	<b>+N/-S</b>	0.0 ft	<b>Northing:</b>	2,109,434.27 ft	<b>Latitude:</b>	36° 47' 6.657 N
	<b>+E/-W</b>	0.0 ft	<b>Easting:</b>	3,209.62 ft	<b>Longitude:</b>	107° 56' 47.203 W
<b>Position Uncertainty</b>		0.0 ft	<b>Wellhead Elevation:</b>	ft	<b>Ground Level:</b>	6,024.0 ft

<b>Wellbore:</b>	Davis A Federal 1P				
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<b>Magnetics</b>	<b>Model Name</b>	<b>Sample Date</b>	<b>Declination</b> (°)	<b>Dip Angle</b> (°)	<b>Field Strength</b> (nT)
	BGGM2010	5/20/2011	9.97	63.50	50,741

<b>Design:</b>	Plan #1				
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<b>Audit Notes:</b>					
<b>Version:</b>	<b>Phase:</b>	PLAN	<b>Tie On Depth:</b>	0.0	

<b>Vertical Section:</b>	<b>Depth From (TVD)</b> (ft)	<b>+N/-S</b> (ft)	<b>+E/-W</b> (ft)	<b>Direction</b> (°)
	0.0	0.0	0.0	127.07

<b>Plan Sections</b>										
<b>Measured Depth</b> (ft)	<b>Inclination</b> (°)	<b>Azimuth</b> (°)	<b>Vertical Depth</b> (ft)	<b>+N/-S</b> (ft)	<b>+E/-W</b> (ft)	<b>Dogleg Rate</b> (°/100ft)	<b>Build Rate</b> (°/100ft)	<b>Turn Rate</b> (°/100ft)	<b>TFO</b> (°)	<b>Target</b>
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
2,200.0	0.00	0.00	2,200.0	0.0	0.0	0.00	0.00	0.00	0.00	
3,195.9	19.92	127.07	3,175.9	-103.3	136.7	2.00	2.00	0.00	127.07	
3,780.3	19.92	127.07	3,725.4	-223.3	295.6	0.00	0.00	0.00	0.00	
4,444.2	0.00	0.00	4,376.0	-292.1	386.8	3.00	-3.00	0.00	180.00	Davis A Federal 1P
7,102.2	0.00	0.00	7,034.0	-292.1	386.8	0.00	0.00	0.00	0.00	Davis A Federal 1P

# ConocoPhillips or its affiliates

## Planning Report

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<b>Company:</b>	ConocoPhillips SJBU	<b>TVD Reference:</b>	WELL @ 6039.0ft (Original Well Elev)
<b>Project:</b>	San Juan Basin - New Mexico Central Wells	<b>MD Reference:</b>	WELL @ 6039.0ft (Original Well Elev)
<b>Site:</b>	Other Named Wells	<b>North Reference:</b>	True
<b>Well:</b>	Davis A Federal 1P	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Davis A Federal 1P		
<b>Design:</b>	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	0.00
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	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	0.00
300.0	0.00	0.00	300.0	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	0.0	0.00	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	0.00
600.0	0.00	0.00	600.0	0.0	0.0	0.0	0.00	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	0.00
800.0	0.00	0.00	800.0	0.0	0.0	0.0	0.00	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	0.00
1,000.0	0.00	0.00	1,000.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
1,078.0	0.00	0.00	1,078.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
<b>Ojo Alamo</b>										
1,100.0	0.00	0.00	1,100.0	0.0	0.0	0.0	0.00	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	0.00
1,215.0	0.00	0.00	1,215.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
<b>Kirtland</b>										
1,300.0	0.00	0.00	1,300.0	0.0	0.0	0.0	0.00	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	0.00
1,500.0	0.00	0.00	1,500.0	0.0	0.0	0.0	0.00	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	0.00
1,700.0	0.00	0.00	1,700.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
1,800.0	0.00	0.00	1,800.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
1,867.0	0.00	0.00	1,867.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
<b>Fruitland</b>										
1,900.0	0.00	0.00	1,900.0	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	0.0	0.00	0.00	0.00	0.00
2,100.0	0.00	0.00	2,100.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
2,200.0	0.00	0.00	2,200.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
2,300.0	2.00	127.07	2,300.0	-1.1	1.4	1.7	2.00	2.00	0.00	0.00
2,400.0	4.00	127.07	2,399.8	-4.2	5.6	7.0	2.00	2.00	0.00	0.00
2,442.3	4.85	127.07	2,442.0	-6.2	8.2	10.2	2.00	2.00	0.00	0.00
<b>Pictured Cliffs</b>										
2,500.0	6.00	127.07	2,499.5	-9.5	12.5	15.7	2.00	2.00	0.00	0.00
2,580.1	7.60	127.07	2,579.0	-15.2	20.1	25.2	2.00	2.00	0.00	0.00
<b>Lewis</b>										
2,600.0	8.00	127.07	2,598.7	-16.8	22.2	27.9	2.00	2.00	0.00	0.00
2,700.0	10.00	127.07	2,697.5	-26.2	34.7	43.5	2.00	2.00	0.00	0.00
2,800.0	12.00	127.07	2,795.6	-37.7	50.0	62.6	2.00	2.00	0.00	0.00
2,900.0	14.00	127.07	2,893.1	-51.3	67.9	85.1	2.00	2.00	0.00	0.00
3,000.0	16.00	127.07	2,989.6	-66.9	88.6	111.0	2.00	2.00	0.00	0.00
3,100.0	18.00	127.07	3,085.3	-84.5	111.9	140.2	2.00	2.00	0.00	0.00
3,195.9	19.92	127.07	3,175.9	-103.3	136.7	171.4	2.00	2.00	0.00	0.00
3,200.0	19.92	127.07	3,179.8	-104.1	137.9	172.8	0.00	0.00	0.00	0.00
3,220.4	19.92	127.07	3,199.0	-108.3	143.4	179.7	0.00	0.00	0.00	0.00
<b>Huerfano Bentonite</b>										
3,300.0	19.92	127.07	3,273.8	-124.7	165.0	206.8	0.00	0.00	0.00	0.00
3,400.0	19.92	127.07	3,367.9	-145.2	192.2	240.9	0.00	0.00	0.00	0.00
3,476.7	19.92	127.07	3,440.0	-161.0	213.1	267.0	0.00	0.00	0.00	0.00
<b>Chacra</b>										
3,500.0	19.92	127.07	3,461.9	-165.7	219.4	275.0	0.00	0.00	0.00	0.00
3,600.0	19.92	127.07	3,555.9	-186.3	246.6	309.0	0.00	0.00	0.00	0.00
3,700.0	19.92	127.07	3,649.9	-206.8	273.8	343.1	0.00	0.00	0.00	0.00

# ConocoPhillips or its affiliates

## Planning Report

<b>Database:</b>	EDM Central Planning	<b>Local Co-ordinate Reference:</b>	Well Davis A Federal 1P
<b>Company:</b>	ConocoPhillips SJB	<b>TVD Reference:</b>	WELL @ 6039.0ft (Original Well Elev)
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<b>Wellbore:</b>	Davis A Federal 1P		
<b>Design:</b>	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)
3,780.3	19.92	127.07	3,725.4	-223.3	295.6	370.4	0.00	0.00	0.00
3,800.0	19.33	127.07	3,744.0	-227.3	300.9	377.1	3.00	-3.00	0.00
3,900.0	16.33	127.07	3,839.1	-245.7	325.3	407.7	3.00	-3.00	0.00
4,000.0	13.33	127.07	3,935.8	-261.1	345.7	433.3	3.00	-3.00	0.00
4,076.9	11.02	127.07	4,011.0	-270.9	358.7	449.5	3.00	-3.00	0.00
<b>Upper Cliff House</b>									
4,100.0	10.33	127.07	4,033.7	-273.5	362.1	453.8	3.00	-3.00	0.00
4,179.3	7.95	127.07	4,112.0	-281.1	372.1	466.4	3.00	-3.00	0.00
<b>Mass. Cliff House</b>									
4,200.0	7.33	127.07	4,132.5	-282.7	374.3	469.1	3.00	-3.00	0.00
4,294.0	4.50	127.07	4,226.0	-288.6	382.0	478.8	3.00	-3.00	0.00
<b>Menefee</b>									
4,300.0	4.33	127.07	4,232.0	-288.9	382.4	479.2	3.00	-3.00	0.00
4,400.0	1.33	127.07	4,331.8	-291.8	386.3	484.2	3.00	-3.00	0.00
4,444.2	0.00	0.00	4,376.0	-292.1	386.8	484.7	3.00	-3.00	0.00
<b>Interm. TD - ICP - Davis A Federal 1P - ICP</b>									
4,500.0	0.00	0.00	4,431.8	-292.1	386.8	484.7	0.00	0.00	0.00
4,600.0	0.00	0.00	4,531.8	-292.1	386.8	484.7	0.00	0.00	0.00
4,700.0	0.00	0.00	4,631.8	-292.1	386.8	484.7	0.00	0.00	0.00
4,800.0	0.00	0.00	4,731.8	-292.1	386.8	484.7	0.00	0.00	0.00
4,811.2	0.00	0.00	4,743.0	-292.1	386.8	484.7	0.00	0.00	0.00
<b>Point Lookout</b>									
4,900.0	0.00	0.00	4,831.8	-292.1	386.8	484.7	0.00	0.00	0.00
5,000.0	0.00	0.00	4,931.8	-292.1	386.8	484.7	0.00	0.00	0.00
5,100.0	0.00	0.00	5,031.8	-292.1	386.8	484.7	0.00	0.00	0.00
5,200.0	0.00	0.00	5,131.8	-292.1	386.8	484.7	0.00	0.00	0.00
5,211.2	0.00	0.00	5,143.0	-292.1	386.8	484.7	0.00	0.00	0.00
<b>Mancos</b>									
5,300.0	0.00	0.00	5,231.8	-292.1	386.8	484.7	0.00	0.00	0.00
5,400.0	0.00	0.00	5,331.8	-292.1	386.8	484.7	0.00	0.00	0.00
5,500.0	0.00	0.00	5,431.8	-292.1	386.8	484.7	0.00	0.00	0.00
5,600.0	0.00	0.00	5,531.8	-292.1	386.8	484.7	0.00	0.00	0.00
5,700.0	0.00	0.00	5,631.8	-292.1	386.8	484.7	0.00	0.00	0.00
5,800.0	0.00	0.00	5,731.8	-292.1	386.8	484.7	0.00	0.00	0.00
5,900.0	0.00	0.00	5,831.8	-292.1	386.8	484.7	0.00	0.00	0.00
6,000.0	0.00	0.00	5,931.8	-292.1	386.8	484.7	0.00	0.00	0.00
6,060.2	0.00	0.00	5,992.0	-292.1	386.8	484.7	0.00	0.00	0.00
<b>Upper Gallup</b>									
6,100.0	0.00	0.00	6,031.8	-292.1	386.8	484.7	0.00	0.00	0.00
6,200.0	0.00	0.00	6,131.8	-292.1	386.8	484.7	0.00	0.00	0.00
6,300.0	0.00	0.00	6,231.8	-292.1	386.8	484.7	0.00	0.00	0.00
6,400.0	0.00	0.00	6,331.8	-292.1	386.8	484.7	0.00	0.00	0.00
6,500.0	0.00	0.00	6,431.8	-292.1	386.8	484.7	0.00	0.00	0.00
6,600.0	0.00	0.00	6,531.8	-292.1	386.8	484.7	0.00	0.00	0.00
6,700.0	0.00	0.00	6,631.8	-292.1	386.8	484.7	0.00	0.00	0.00
6,796.2	0.00	0.00	6,728.0	-292.1	386.8	484.7	0.00	0.00	0.00
<b>Greenhorn</b>									
6,800.0	0.00	0.00	6,731.8	-292.1	386.8	484.7	0.00	0.00	0.00
6,854.2	0.00	0.00	6,786.0	-292.1	386.8	484.7	0.00	0.00	0.00
<b>Graneros</b>									
6,900.0	0.00	0.00	6,831.8	-292.1	386.8	484.7	0.00	0.00	0.00
6,912.2	0.00	0.00	6,844.0	-292.1	386.8	484.7	0.00	0.00	0.00

**ConocoPhillips or its affiliates**  
**Planning Report**

<b>Database:</b>	EDM Central Planning	<b>Local Co-ordinate Reference:</b>	Well Davis A Federal 1P
<b>Company:</b>	ConocoPhillips SJB	<b>TVD Reference:</b>	WELL @ 6039.0ft (Original Well Elev)
<b>Project:</b>	San Juan Basin - New Mexico Central Wells	<b>MD Reference:</b>	WELL @ 6039.0ft (Original Well Elev)
<b>Site:</b>	Other Named Wells	<b>North Reference:</b>	True
<b>Well:</b>	Davis A Federal 1P	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Davis A Federal 1P		
<b>Design:</b>	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)	
<b>Two Wells</b>										
6,979.2	0.00	0.00	6,911.0	-292.1	386.8	484.7	0.00	0.00	0.00	
<b>Paguate</b>										
7,000.0	0.00	0.00	6,931.8	-292.1	386.8	484.7	0.00	0.00	0.00	
7,037.2	0.00	0.00	6,969.0	-292.1	386.8	484.7	0.00	0.00	0.00	
<b>Lower Cubero</b>										
7,087.2	0.00	0.00	7,019.0	-292.1	386.8	484.7	0.00	0.00	0.00	
<b>Encinal</b>										
7,100.0	0.00	0.00	7,031.8	-292.1	386.8	484.7	0.00	0.00	0.00	
7,102.2	0.00	0.00	7,034.0	-292.1	386.8	484.7	0.00	0.00	0.00	
TD - Davis A Federal 1P - PCP										

**Targets**

Target Name	hit/miss target	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/S (ft)	+E/W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
Davis A Federal 1P - I		0.00	0.00	7,034.0	-292.1	386.8	2,109,135.27	3,591.20	36° 47' 3.768 N	107° 56' 42.449 W
- plan hits target center										
- Point										
Davis A Federal 1P - I		0.00	0.00	4,376.0	-292.1	386.8	2,109,135.27	3,591.20	36° 47' 3.768 N	107° 56' 42.449 W
- plan hits target center										
- Point										



**ConocoPhillips or its affiliates**  
 Planning Report

<b>Database:</b>	EDM Central Planning	<b>Local Co-ordinate Reference:</b>	Well Davis A Federal 1P
<b>Company:</b>	ConocoPhillips SJB	<b>TVD Reference:</b>	WELL @ 6039.0ft (Original Well Elev)
<b>Project:</b>	San Juan Basin - New Mexico Central Wells	<b>MD Reference:</b>	WELL @ 6039.0ft (Original Well Elev)
<b>Site:</b>	Other Named Wells	<b>North Reference:</b>	True
<b>Well:</b>	Davis A Federal 1P	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore Design:</b>	Davis A Federal 1P Plan #1		

Formations					
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)
4,294.0	4,226.0	Menefee		0.00	
4,076.9	4,011.0	Upper Cliff House		0.00	
6,912.2	6,844.0	Two Wells		0.00	
1,867.0	1,867.0	Fruitland		0.00	
7,037.2	6,969.0	Lower Cubero		0.00	
7,087.2	7,019.0	Encinal		0.00	
3,220.4	3,199.0	Huerfanito Bentonite		0.00	
4,179.3	4,112.0	Mass. Cliff House		0.00	
7,102.2	7,034.0	TD		0.00	
5,211.2	5,143.0	Mancos		0.00	
4,811.2	4,743.0	Point Lookout		0.00	
1,078.0	1,078.0	Ojo Alamo		0.00	
6,854.2	6,786.0	Graneros		0.00	
1,215.0	1,215.0	Kirtland		0.00	
6,060.2	5,992.0	Upper Gallup		0.00	
2,580.1	2,579.0	Lewis		0.00	
6,979.2	6,911.0	Paguete		0.00	
3,476.7	3,440.0	Chacra		0.00	
2,442.3	2,442.0	Pictured Cliffs		0.00	
6,796.2	6,728.0	Greenhorn		0.00	
4,444.2	4,376.0	Intern. TD - ICP		0.00	

REFERENCE INFORMATION

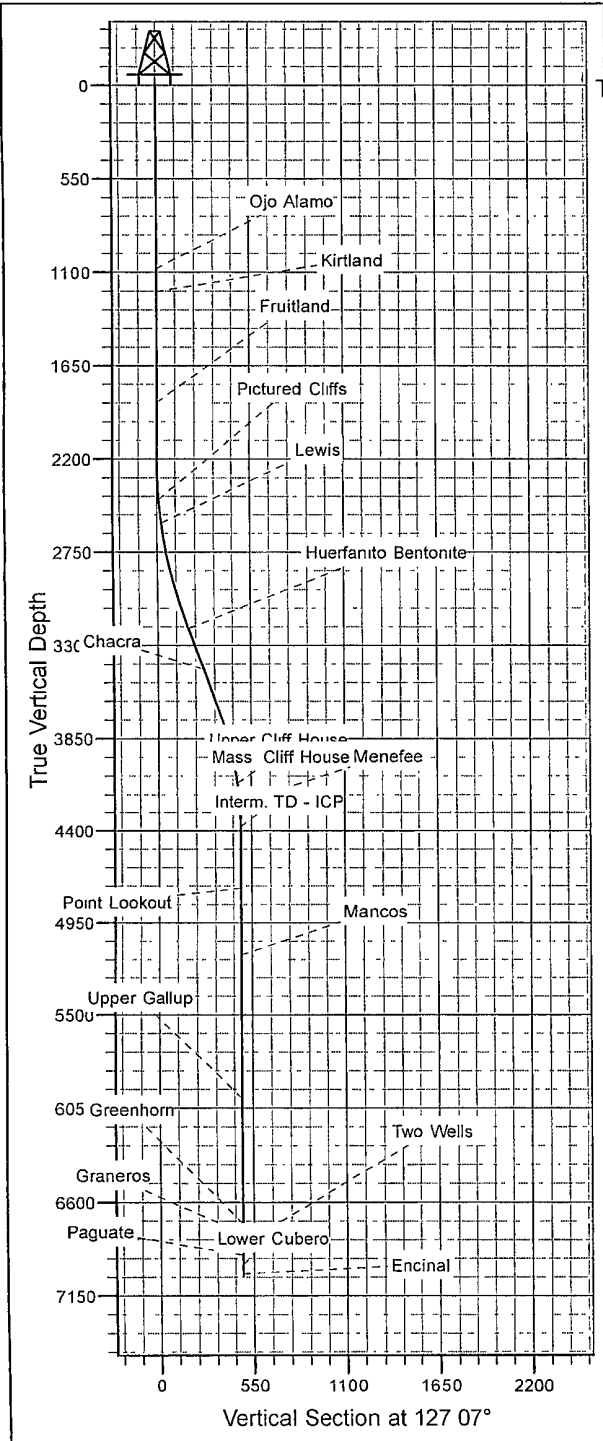
WELL @ 6039.0ft (Original Well Elev)  
 Ground Elevation 6024.0  
 Reference Lat: 36° 47' 6.657 N  
 Reference Long: 107° 56' 47.203 W

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



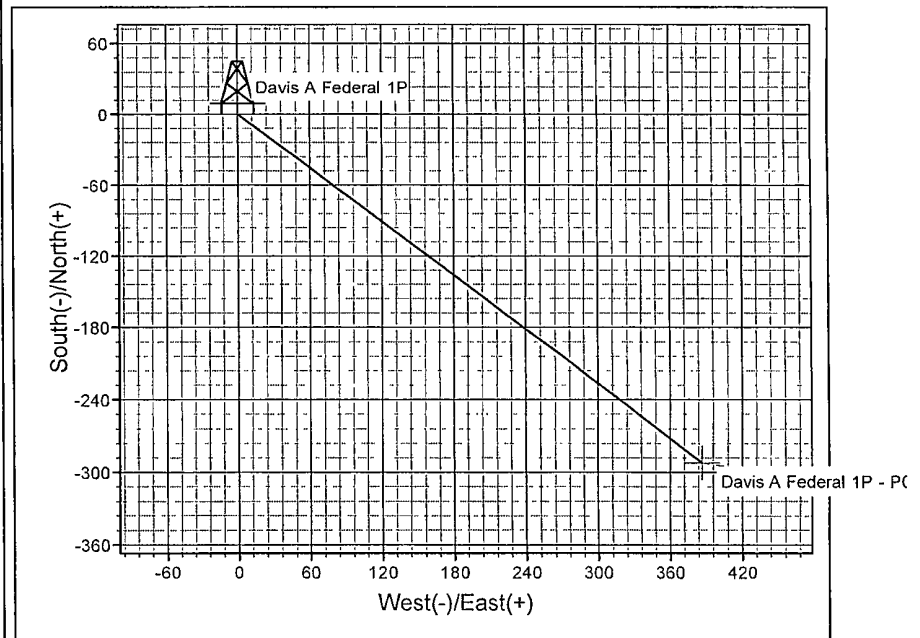
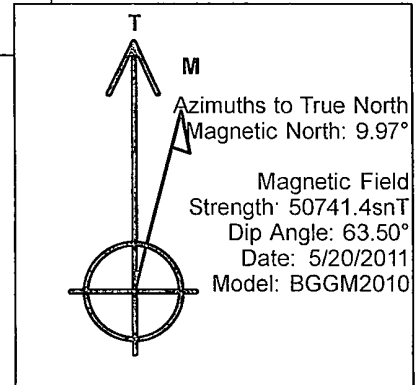
SECTION DETAILS

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	2200.0	0.00	0.00	2200.0	0.0	0.0	0.00	0.00	0.0	
3	3195.9	19.92	127.07	3175.9	-103.3	136.7	2.00	127.07	171.4	
4	3780.3	19.92	127.07	3725.4	-223.3	295.6	0.00	0.00	370.4	
5	4444.2	0.00	0.00	4376.0	-292.1	386.8	3.00	180.00	484.7	Davis A Federal 1P - ICP
6	7102.2	0.00	0.00	7034.0	-292.1	386.8	0.00	0.00	484.7	Davis A Federal 1P - PCP



FORMATION TOP DETAILS

VDP	MD	Formation
1078.0	1078.0	Ojo Alamo
1215.0	1215.0	Kirtland
1867.0	1867.0	Fruitland
2442.0	2442.3	Pictured Cliffs
2579.0	2580.1	Lewis
3199.0	3220.4	Huerfanito Bentonite
3440.0	3476.7	Chacra
4011.0	4076.9	Upper Cliff House
4112.0	4179.3	Mass. Cliff House
4226.0	4294.0	Menefee
4376.0	4444.2	Interm. TD - ICP
4743.0	4811.2	Point Lookout
5143.0	5211.2	Mancos
5992.0	6060.2	Upper Gallup
6728.0	6796.2	Greenhorn
6786.0	6854.2	Graneros
6844.0	6912.2	Two Wells
6911.0	6979.2	Paguate
6969.0	7037.2	Lower Cubero
7019.0	7087.2	Encinal
7034.0	7102.2	TD





**BURLINGTON RESOURCES OIL & GAS COMPANY LP**

**DAVIS A FEDERAL 1P**

**1833' FNL & 1494' FWL (SURFACE)**

**2115' FNL & 1880' FWL (BOTTOM HOLE)**

**LATITUDE: 36.7851824° N**

**LONGITUDE: 107.9464453° 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.

CONTINUE NORTHEASTERLY THROUGH "4-WAY" INTERSECTION 0.8 MILE.

BEAR LEFT AT "Y" IN ROAD AND TRAVEL NORTHEASTERLY 0.2 MILE.

TURN RIGHT AT A "4 WAY" INTERSECTION AND TRAVEL SOUTHERLY 0.4 MILE.

TURN LEFT AT "Y" IN ROAD AND TRAVEL SOUTHEASTERLY 0.2 MILE

TO EXISTING PAYNE 7 WELL LOCATION AND  
PROPOSED DAVIS A FEDERAL 1P WELL LOCATION.