

DISTRICT I
1625 N. French Dr., Hobbs, N.M. 88240
Phone: (575) 393-8181 Fax: (575) 393-0720
DISTRICT II
811 S. First St., Artesia, N.M. 88210
Phone: (575) 748-1283 Fax: (575) 748-9720
DISTRICT III
1000 Rio Brazos Rd., Aztec, N.M. 87410
Phone: (505) 334-6178 Fax: (505) 334-6170
DISTRICT IV
1220 S. St. Francis Dr., Santa Fe, N.M. 87505
Phone: (505) 476-3460 Fax: (505) 476-3482

State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION

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

AS DRILLED PLAT

Form C-102

Revised August 1, 2011

Submit one copy to appropriate
District Office

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-045-35290	² Pool Code 72319/71599/97232	³ Pool Name BLANCO MESAVERDE/BASIN DAKOTA/BASIN MANCOS
⁴ Property Code 24999	⁵ Property Name DAVIS A FEDERAL	⁶ Well Number 1N
⁷ GRID No. 14538	⁸ Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY LP	⁹ Elevation 5906

¹⁰ Surface Location

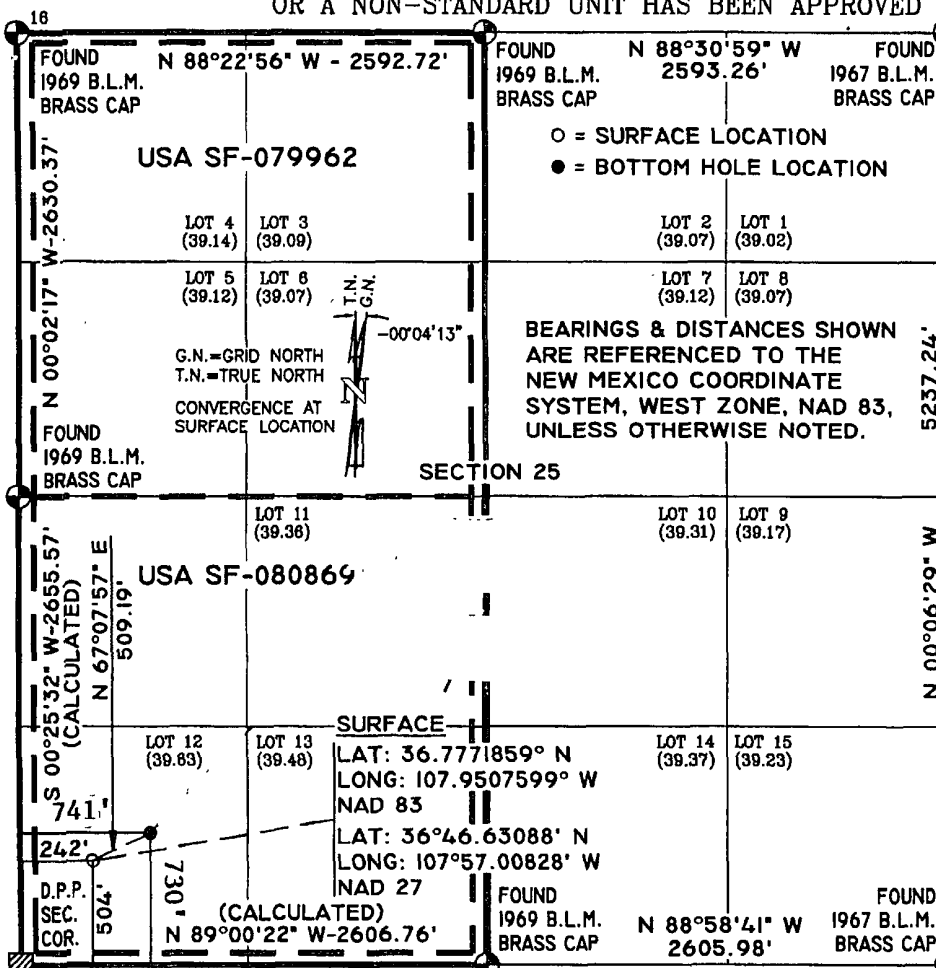
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
M	25	30 N	II W	LOT 12	504	SOUTH	242	WEST	SAN JUAN

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	II W	LOT 12	730'	SOUTH	741'	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.	RCVD OCT 9 '12 OIL CONS. DIV.
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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 DIST. 3



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 _____ Date _____
Marie E. Jaramillo 10/9/12
Printed Name
Staff Reg Tech.
E-mail Address _____

¹⁸ SURVEYOR CERTIFICATION

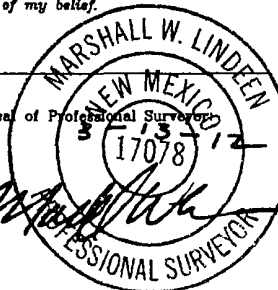
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

12/28/10

Date of Survey

Signature and Seal of Professional Surveyor

17078
Certificate Number



FV

18

COP Deviation Report

DAVIS A FEDERAL #1N

ROD DCT 5 12
OIL CONS. DIV.
DIST. 5

Operator BURLINGTON RESOURCES OIL & GAS COMPANY LP	Legal WellName DAVIS A FEDERAL #1N	API / UWI 3004535290	County SAN JUAN	State/Province NEW MEXICO
Surface Legal Location 025-030N-011W-M	N/S Dist (ft) 504.00	N/S Ref FSL	E/W Dist (ft) 242.00	E/W Ref FWL

Survey Data						
Date	MD (ftKB)	Incl (°)	Azm (°)	Method	Survey Company	
8/20/2012	130.00	0.50		Inc-Drop	Mo Te Drilling Inc	
8/20/2012	234.00	0.75		Inc-Drop	Mo Te Drilling Inc	
8/28/2012	267.00	0.34	126.38	Inc-MWD	Scientific Drilling	
8/28/2012	328.00	0.40	85.68	Inc-MWD	Scientific Drilling	
8/28/2012	389.00	1.96	70.52	Inc-MWD	Scientific Drilling	
8/28/2012	452.00	3.36	60.46	Inc-MWD	Scientific Drilling	
8/28/2012	513.00	4.63	59.75	Inc-MWD	Scientific Drilling	
8/28/2012	575.00	5.66	64.30	Inc-MWD	Scientific Drilling	
8/28/2012	636.00	6.73	65.61	Inc-MWD	Scientific Drilling	
8/28/2012	698.00	8.05	67.08	Inc-MWD	Scientific Drilling	
8/28/2012	759.00	8.91	66.41	Inc-MWD	Scientific Drilling	
8/28/2012	820.00	10.61	67.06	Inc-MWD	Scientific Drilling	
8/28/2012	883.00	12.06	64.33	Inc-MWD	Scientific Drilling	
8/28/2012	945.00	13.05	64.53	Inc-MWD	Scientific Drilling	
8/28/2012	1,008.00	14.25	64.12	Inc-MWD	Scientific Drilling	
8/28/2012	1,072.00	15.62	65.01	Inc-MWD	Scientific Drilling	
8/28/2012	1,135.00	16.34	65.63	Inc-MWD	Scientific Drilling	
8/28/2012	1,199.00	17.61	65.34	Inc-MWD	Scientific Drilling	
8/28/2012	1,263.00	19.12	65.16	Inc-MWD	Scientific Drilling	
8/28/2012	1,326.00	20.90	66.17	Inc-MWD	Scientific Drilling	
8/28/2012	1,358.00	21.47	67.33	Inc-MWD	Scientific Drilling	
8/28/2012	1,390.00	21.96	67.20	Inc-MWD	Scientific Drilling	
8/28/2012	1,453.00	23.33	69.14	Inc-MWD	Scientific Drilling	
8/28/2012	1,516.00	23.49	69.38	Inc-MWD	Scientific Drilling	
8/28/2012	1,579.00	23.66	69.41	Inc-MWD	Scientific Drilling	
8/28/2012	1,642.00	23.58	70.01	Inc-MWD	Scientific Drilling	
8/28/2012	1,705.00	23.47	67.94	Inc-MWD	Scientific Drilling	
8/28/2012	1,769.00	22.79	67.04	Inc-MWD	Scientific Drilling	
8/28/2012	1,800.00	21.93	66.41	Inc-MWD	Scientific Drilling	
8/28/2012	1,832.00	20.60	66.49	Inc-MWD	Scientific Drilling	
8/28/2012	1,894.00	19.53	66.08	Inc-MWD	Scientific Drilling	
8/29/2012	1,957.00	17.88	65.37	Inc-MWD	Scientific Drilling	
8/28/2012	2,020.00	16.05	63.90	Inc-MWD	Scientific Drilling	
8/28/2012	2,083.00	14.56	65.52	Inc-MWD	Scientific Drilling	
8/29/2012	2,147.00	12.68	63.70	Inc-MWD	Scientific Drilling	

I, the undersigned, certify that I acting in my capacity as _____ for ConocoPhillips Company, am authorized by said Company to make this report; and that said report was prepared under my supervision and directions, and that the facts stated herein are true to the best of my knowledge and belief.

Subscribed and sworn to me this _____

Notary Public in and for San Juan County, New Mexico

My Commission expires _____

Survey Data						
Date	MD (ftKB)	Incl (°)	Azm (°)	Method	Survey Company	
8/29/2012	2,210.00	10.95	63.83	Inc-MWD	Scientific Drilling	
8/29/2012	2,273.00	9.87	63.14	Inc-MWD	Scientific Drilling	
8/29/2012	2,336.00	9.05	65.85	Inc-MWD	Scientific Drilling	
8/29/2012	2,399.00	8.30	64.85	Inc-MWD	Scientific Drilling	
8/29/2012	2,463.00	7.19	64.03	Inc-MWD	Scientific Drilling	
8/29/2012	2,525.00	6.04	67.22	Inc-MWD	Scientific Drilling	
8/29/2012	2,589.00	4.65	72.07	Inc-MWD	Scientific Drilling	
8/29/2012	2,651.00	3.31	71.67	Inc-MWD	Scientific Drilling	
8/29/2012	2,715.00	2.10	79.29	Inc-MWD	Scientific Drilling	
8/29/2012	2,779.00	0.77	34.06	Inc-MWD	Scientific Drilling	
8/29/2012	2,842.00	0.81	18.75	Inc-MWD	Scientific Drilling	
8/29/2012	2,905.00	0.71	10.63	Inc-MWD	Scientific Drilling	
8/29/2012	2,968.00	0.77	3.42	Inc-MWD	Scientific Drilling	
8/29/2012	3,031.00	0.34	354.63	Inc-MWD	Scientific Drilling	
8/29/2012	3,094.00	0.36	332.00	Inc-MWD	Scientific Drilling	
8/29/2012	3,157.00	0.29	337.52	Inc-MWD	Scientific Drilling	
8/29/2012	3,220.00	0.51	329.60	Inc-MWD	Scientific Drilling	
8/29/2012	3,284.00	0.41	338.47	Inc-MWD	Scientific Drilling	
8/29/2012	3,347.00	0.33	288.23	Inc-MWD	Scientific Drilling	
8/29/2012	3,410.00	0.41	328.43	Inc-MWD	Scientific Drilling	
8/29/2012	3,473.00	0.48	322.02	Inc-MWD	Scientific Drilling	
8/29/2012	3,600.00	0.29	289.01	Inc-MWD	Scientific Drilling	
8/29/2012	3,726.00	0.49	350.98	Inc-MWD	Scientific Drilling	
8/29/2012	3,853.00	0.18	295.63	Inc-MWD	Scientific Drilling	
8/29/2012	3,979.00	0.46	336.07	Inc-MWD	Scientific Drilling	
8/30/2012	4,106.00	0.34	52.03	Inc-MWD	Scientific Drilling	
8/30/2012	4,231.00	0.14	71.61	Inc-MWD	Scientific Drilling	
8/30/2012	4,290.00	0.05	80.85	Projection	Scientific Drilling	
9/7/2012	6,943.00	1.50		Inc-WL	Phoenix Services LLC	

I, the undersigned, certify that I acting in my capacity as Drilling Engineer for ConocoPhillips Company, am authorized by said Company to make this report, and that said report was prepared under my supervision and directions, and that the facts stated herein are true to the best of my knowledge and belief.

Cara B. Long

Subscribed and sworn to me this 10/9/12

Manuel Jarama

Notary Public in and for San Juan County, New Mexico

My Commission expires 7/28/14



RCVD OCT 9 '12
OIL CONS. DIV.
DIST. 3

ConocoPhillips

SJB (NM West)
SEC 25-T30N-R11W
Davis A Federal 1N

OH

API# 3004535290
Design: OH

Standard Survey Report

10 September, 2012

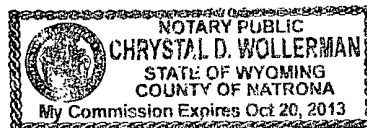
This survey is correct to the best of my knowledge and is supported by actual field data.

Cora B. Laiz

Notarized this date 10th of September 2012.

Chrystal D. Wallman

Notary Signature
County of Natrona
State of Wyoming



Scientific Drilling

ConocoPhillips

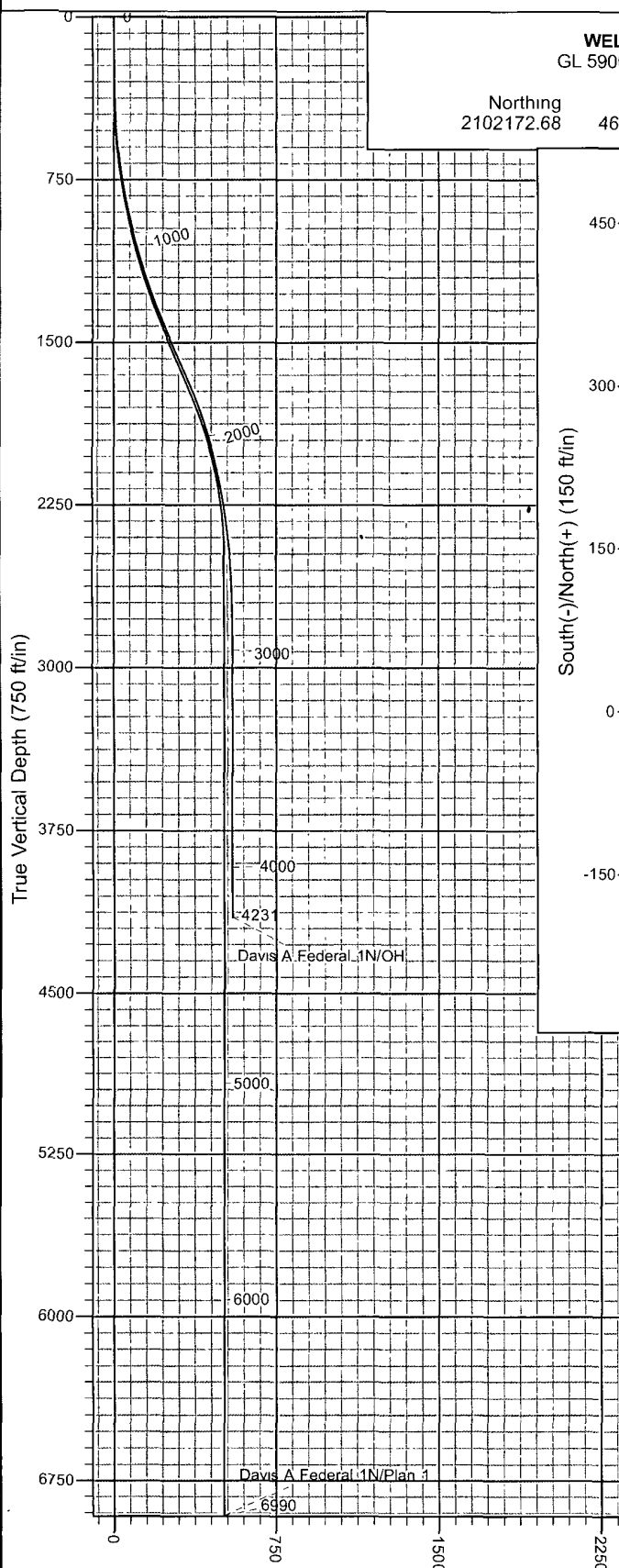
Project: SJB (NM West)
 Site: SEC 25-T30N-R11W
 Well: Davis A Federal 1N
 Wellbore: OH
 Design: OH



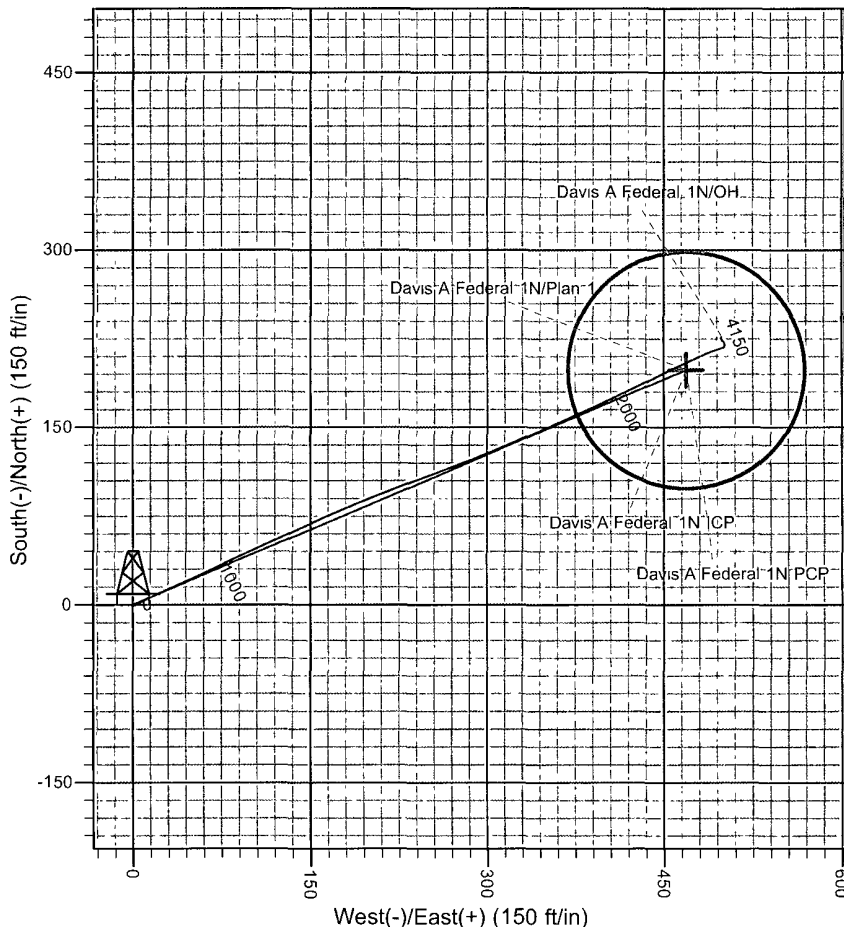
T
 Azimuths to True North
 Magnetic North 9.87°
 Magnetic Field
 Strength 50567.9 nT
 Dip Angle 63.41°
 Date 2012/08/24
 Model BGGM2012

WELL DETAILS: Davis A Federal 1N
 GL 5906' & KB 15' @ 5921.0ft (AWS 730)
 Ground Level: 5906.0

Northing	Easting	Latitude	Longitude
2102172.68	465791.97	36° 46' 37.853 N	107° 57' 0.497 W



Vertical Section at 67.07° (750 ft/in)



REFERENCE INFORMATION

Co-ordinate (N/E) Reference: Well Davis A Federal 1N, True North
 Vertical (TVD) Reference: GL 5906' & KB 15' @ 5921.0ft (AWS 730)
 Section (VS) Reference: Slot - (0.0N, 0.0E)
 Measured Depth Reference: GL 5906' & KB 15' @ 5921.0ft (AWS 730)
 Calculation Method: Minimum Curvature

PROJECT DETAILS: SJB (NM West)

Geodetic System: US State Plane 1927 (Exact solution)
 Datum: NAD 1927 (NADCON CONUS)
 Ellipsoid: Clarke 1866
 Zone: New Mexico West 3003
 System Datum: Mean Sea Level

Company:	ConocoPhillips	Local Co-ordinate Reference:	Well Davis A Federal 1N
Project:	SJB (NM West)	TVD Reference:	GL 5906' & KB 15' @ 5921.0ft (AWS 730)
Site:	SEC 25-T30N-R11W	MD Reference:	GL 5906' & KB 15' @ 5921.0ft (AWS 730)
Well:	Davis A Federal 1N	North Reference:	True
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 2003.21 Single User Db

Project:	SJB (NM West), San Juan County, New Mexico, S-Type MV/DK Wells		
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:	SEC 25-T30N-R11W		
Site Position:		Northing:	2,105,082.33 ft
From:	Lat/Long	Easting:	467,058.94 ft
Position Uncertainty:	0.0 ft	Slot Radius:	"
		Latitude:	36° 47' 6.641 N
		Longitude:	107° 56' 44.965 W
		Grid Convergence:	-0.07 °

Well:	Davis A Federal 1N, 504' FSL 242' FWL					
Well Position	+N/-S	0.0 ft	Northing:	2,102,172.68 ft	Latitude:	36° 46' 37.853 N
	+E/-W	0.0 ft	Easting:	465,791.97 ft	Longitude:	107° 57' 0.497 W
Position Uncertainty		0.0 ft	Wellhead Elevation:	ft	Ground Level:	5,906.0 ft

Wellbore:	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	BGGM2012	2012/08/24	9.87	63.41	50,568

Design:	OH			
Audit Notes:				
Version:	1.0	Phase:	ACTUAL	Tie On Depth: 0.0
Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)
	0.0	0.0	0.0	67.07

Survey Program	Date	2012/09/10		
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description
267.0	4,231.0	Survey #1 (OH)	MWD SDI	MWD - Standard ver 1.0.1

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
267.0	0.34	126.38	267.0	-0.5	0.6	0.4	0.13	0.13	0.00
First SDI MWD Survey									
328.0	0.40	85.68	328.0	-0.6	1.0	0.7	0.43	0.10	-66.72
389.0	1.96	70.52	389.0	-0.2	2.2	1.9	2.59	2.56	-24.85
452.0	3.36	60.46	451.9	1.1	4.8	4.9	2.33	2.22	-15.97
513.0	4.63	59.75	512.8	3.2	8.5	9.1	2.08	2.08	-1.16
575.0	5.66	64.30	574.5	5.8	13.4	14.6	1.79	1.66	7.34
636.0	6.73	65.61	635.2	8.6	19.4	21.2	1.77	1.75	2.15
698.0	8.05	67.08	696.6	11.8	26.7	29.2	2.15	2.13	2.37
759.0	8.91	66.41	757.0	15.3	34.9	38.2	1.42	1.41	-1.10
820.0	10.61	67.06	817.1	19.4	44.5	48.5	2.79	2.79	1.07
883.0	12.06	64.33	878.9	24.5	55.7	60.9	2.45	2.30	-4.33

Company:	ConocoPhillips	Local Co-ordinate Reference:	Well Davis A Federal 1N
Project:	SJB (NM West)	TVD Reference:	GL 5906' & KB 15' @ 5921.0ft (AWS 730)
Site:	SEC 25-T30N-R11W	MD Reference:	GL 5906' & KB 15' @ 5921.0ft (AWS 730)
Well:	Davis A Federal 1N	North Reference:	True
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 2003 21 Single User Db

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)
945.0	13.05	64.53	939.4	30.3	67.9	74.3	1.60	1.60	0.32
1,008.0	14.25	64.12	1,000.6	36.8	81.3	89.2	1.91	1.90	-0.65
1,072.0	15.62	65.01	1,062.4	43.8	96.2	105.7	2.17	2.14	1.39
1,135.0	16.34	65.63	1,123.0	51.1	111.9	123.0	1.17	1.14	0.98
1,199.0	17.61	65.34	1,184.2	58.8	128.9	141.7	1.99	1.98	-0.45
1,263.0	19.12	65.16	1,244.9	67.3	147.2	161.8	2.36	2.36	-0.28
1,326.0	20.90	66.17	1,304.1	76.1	166.9	183.4	2.88	2.83	1.60
1,358.0	21.47	67.33	1,334.0	80.7	177.5	194.9	2.21	1.78	3.63
1,390.0	21.96	67.20	1,363.7	85.3	188.4	206.8	1.54	1.53	-0.41
1,453.0	23.33	69.14	1,421.8	94.3	211.0	231.0	2.48	2.17	3.08
1,516.0	23.49	69.38	1,479.7	103.2	234.4	256.0	0.30	0.25	0.38
1,579.0	23.66	69.41	1,537.4	112.0	257.9	281.2	0.27	0.27	0.05
1,642.0	23.58	70.01	1,595.1	120.8	281.6	306.4	0.40	-0.13	0.95
1,705.0	23.47	67.94	1,652.9	129.8	305.1	331.6	1.32	-0.17	-3.29
1,769.0	22.79	67.04	1,711.7	139.4	328.3	356.7	1.20	-1.06	-1.41
1,800.0	21.93	66.41	1,740.4	144.1	339.2	368.5	2.88	-2.77	-2.03
1,832.0	20.60	66.49	1,770.2	148.7	349.8	380.1	4.16	-4.16	0.25
1,894.0	19.53	66.08	1,828.5	157.3	369.3	401.4	1.74	-1.73	-0.66
1,957.0	17.88	65.37	1,888.1	165.6	387.7	421.6	2.64	-2.62	-1.13
2,020.0	16.05	63.90	1,948.4	173.4	404.3	439.9	2.98	-2.90	-2.33
2,083.0	14.56	65.52	2,009.2	180.5	419.3	456.5	2.46	-2.37	2.57
2,147.0	12.68	63.70	2,071.4	187.0	432.9	471.6	3.01	-2.94	-2.84
2,210.0	10.95	63.83	2,133.0	192.7	444.5	484.5	2.75	-2.75	0.21
2,273.0	9.87	63.14	2,195.0	197.8	454.7	495.8	1.73	-1.71	-1.10
2,336.0	9.05	65.85	2,257.1	202.2	464.0	506.2	1.48	-1.30	4.30
2,399.0	8.30	64.85	2,319.4	206.2	472.7	515.7	1.21	-1.19	-1.59
2,463.0	7.19	64.03	2,382.8	209.9	480.5	524.3	1.74	-1.73	-1.28
2,525.0	6.04	67.22	2,444.4	212.9	487.0	531.4	1.95	-1.85	5.15
2,589.0	4.65	72.07	2,508.1	215.0	492.5	537.4	2.28	-2.17	7.58
2,651.0	3.31	71.67	2,570.0	216.3	496.6	541.7	2.16	-2.16	-0.65
2,715.0	2.10	79.29	2,633.9	217.1	499.5	544.6	1.97	-1.89	11.91
2,779.0	0.77	34.06	2,697.9	217.7	500.9	546.2	2.58	-2.08	-70.67
2,842.0	0.81	18.75	2,760.9	218.5	501.3	546.8	0.34	0.06	-24.30
2,905.0	0.71	10.63	2,823.9	219.3	501.5	547.3	0.23	-0.16	-12.89
2,968.0	0.77	3.42	2,886.9	220.1	501.6	547.7	0.18	0.10	-11.44
3,031.0	0.34	354.63	2,949.9	220.7	501.6	548.0	0.69	-0.68	-13.95
3,094.0	0.36	332.00	3,012.9	221.0	501.5	548.0	0.22	0.03	-35.92
3,157.0	0.29	337.52	3,075.9	221.4	501.4	548.0	0.12	-0.11	8.76
3,220.0	0.51	329.60	3,138.9	221.8	501.2	548.0	0.36	0.35	-12.57
3,284.0	0.41	338.47	3,202.9	222.2	500.9	547.9	0.19	-0.16	13.86
3,347.0	0.33	288.23	3,265.9	222.5	500.7	547.8	0.51	-0.13	-79.75
3,410.0	0.41	328.43	3,328.9	222.7	500.4	547.6	0.42	0.13	63.81
3,473.0	0.48	322.02	3,391.9	223.1	500.1	547.5	0.14	0.11	-10.17
3,600.0	0.29	289.01	3,518.9	223.7	499.5	547.1	0.22	-0.15	-25.99
3,726.0	0.49	350.98	3,644.9	224.3	499.1	547.0	0.35	0.16	49.18
3,853.0	0.18	295.63	3,771.8	224.9	498.8	547.0	0.33	-0.24	-43.58
3,979.0	0.46	336.07	3,897.8	225.5	498.4	546.9	0.27	0.22	32.10
4,106.0	0.34	52.03	4,024.8	226.2	498.5	547.2	0.39	-0.09	59.81
4,231.0	0.14	71.61	4,149.8	226.4	499.0	547.8	0.17	-0.16	15.66

Last SDI MWD Survey

Company:	ConocoPhillips	Local Co-ordinate Reference:	Well Davis A Federal 1N
Project:	SJB (NM West)	TVD Reference:	GL 5906' & KB 15' @ 5921.0ft (AWS 730)
Site:	SEC 25-T30N-R11W	MD Reference:	GL 5906' & KB 15' @ 5921.0ft (AWS 730)
Well:	Davis A Federal 1N	North Reference:	True
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 2003.21 Single User Db

Design Annotations				
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
267.0	267.0	-0.5	0.6	First SDI MWD Survey
4,231.0	4,149.8	226.4	499.0	Last SDI MWD Survey

Checked By: _____ Approved By: _____ Date: _____