

DISTRICT I
1625 N. French Dr., Hobbs, N.M. 88240

DISTRICT II
1301 West 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, 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

Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

AS DRILLED PLAT

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

1 API Number 30-045-26977		2 Pool Code 71629		3 Pool Name BASIN FRUITLAND COAL	
4 Property Code 18606		5 Property Name REESE MESA			6 Well Number 101H
7 GRID No. 143538		8 Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY LP			9 Elevation 7033'

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
P	13	32-N	8-W		1100'	SOUTH	940'	EAST	SAN JUAN

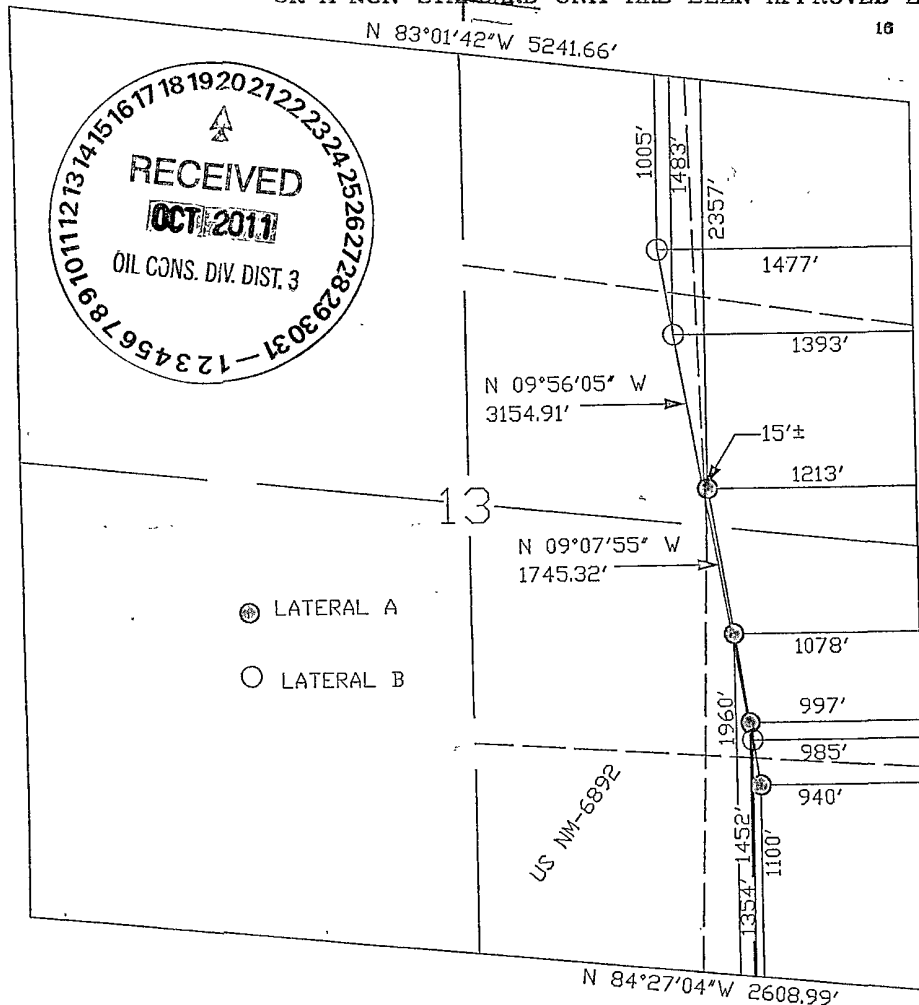
ORIGINAL BOTTOMHOLE

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
B	13	32-N	8-W		700'	NORTH	1500'	EAST	SAN JUAN

12 Dedicated Acres FC 320.0 ACRE E/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



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 a working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Patsy Clugston
Signature

Patsy Clugston 1/31/10
Printed Name

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.

7 168508
Date of Survey
Signature of Licensed Professional Surveyor

Glen W. Russell
Certificate Number 15703

Reese Mesa 101H - Lateral detail
 API 30-045-26977
 Basin Fruitland Coal
 UL B, Sec. 13, T32N, R8W
 Page 3 of completion Document

Lateral	Perf'd Liner Section Production Interval	MD Total Depth	VD Total Depth	Cement
A	4115 - 4639' (MD)	5503'	3882'	none
B	3854' - 6254' (MD)	6801'	3697'	none

Liner Detail	Window to Lateral	TOL	Liner Setting Depth
A	3564' - 3577'	3586'	4683'
B	3422' - 3445'	3415'	6298'

Lateral Location Footages at Producing Interval			TD Footages of Lateral
	Start	End	
A	1452' FSL & 997' FSL	1960' FEL & 1078' FEL	2357' FNL & 1213' FEL, Sec. 13, T32N, R8W
B	1354' FSL & 985' FEL	1483' FNL & 1393' FEL	1005' FNL & 1477' FEL, Sec. 13, T32N, R8W

Stimulation

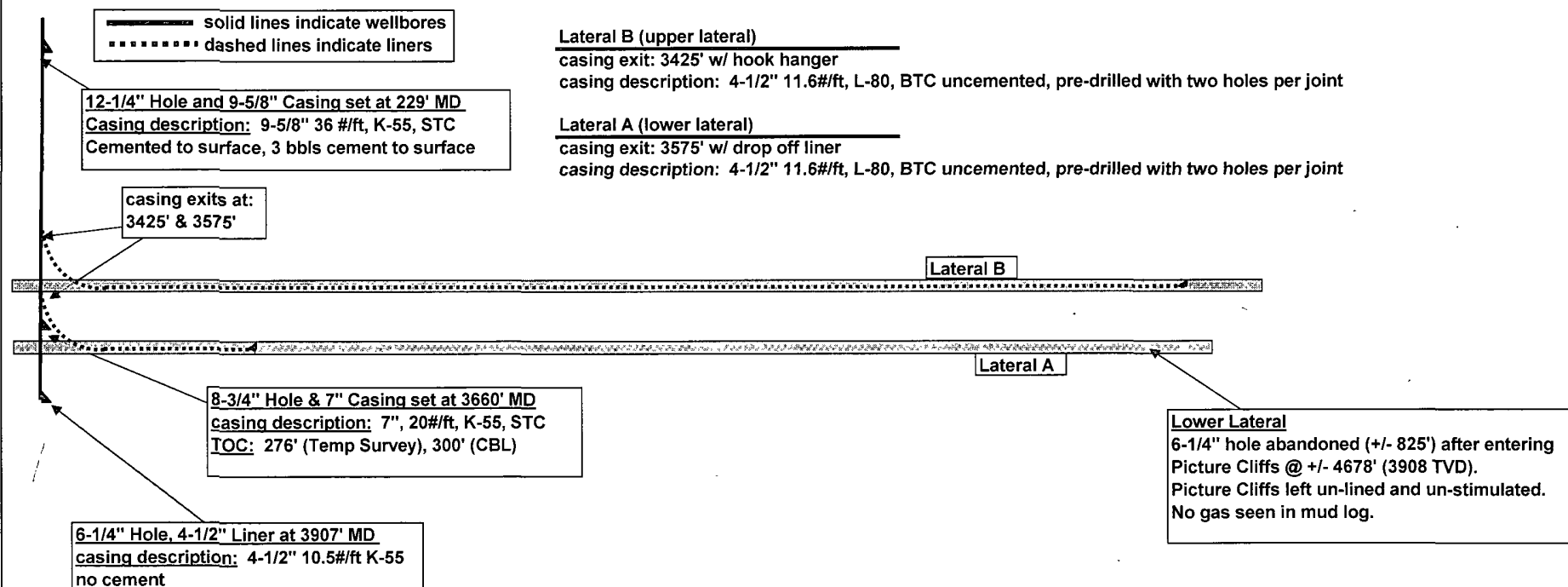
Neither Lateral was stimulated

Reese Mesa 101 Lateral

GL 7033'
KB 7048' (Aztec 730)

Surface location	State of New Mexico, San Juan County
Lateral B (upper lateral), beginning of prod. interval	T32N, R08W, Section 13, 1100' FSL, 940' FEL
Lateral B (upper lateral), end of prod. interval	T32N, R08W, Section 13, 1354' FSL, 985' FEL
Lateral B (upperlateral), TD	T32N, R08W, Section 13, 1483' FNL, 1393' FEL
Lateral A (lower lateral), beginning of prod. interval	T32N, R08W, Section 13, 1005' FNL, 1477' FEL
Lateral A (lower lateral), end of prod interval	T32N, R08W, Section 13, 1452' FSL, 997' FEL
Picture Cliffs Top	T32N, R08W, Section 13, 1960' FSL, 1078' FEL
Lateral A (lower lateral), TD	T32N, R08W, Section 13, 1998' FSL, 1085' FEL
	T32N, R08W, Section 13, 2357' FNL, 1213' FEL

MD ft	TVD ft	
NA	NA	
3854.1'	3707.5'	top of perf'd pipe
6253.9'	3685.8'	bottom of perf'd pipe.
6801'	3697'	TD
4115.5'	3898.3'	top of perf'd pipe
4638.6'	3906.3'	bottom of perf'd pipe, set 40' MD above coal bottom
4678'	3908.3'	mud logger's interpretation of PC top
5503'	3882'	TD





Scientific Drilling
Directional Drilling Operations



ConocoPhillips

SJB (NM West)
SEC 13-T32N-R8W
Reese Mesa #101H

Lateral A

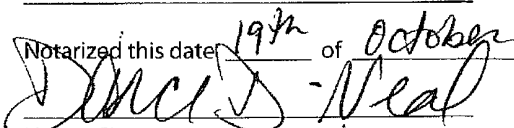
Design: As Drilled

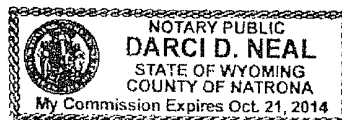
Standard Survey Report

19 October, 2011

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

Notarized this date 19th of October, 2011.


Notary Signature
County of Natrona
State of Wyoming




ConocoPhillips

Company:	ConocoPhillips	Local Co-ordinate Reference:	Well Reese Mesa #101H
Project:	SJB (NM West)	TVD Reference:	DFE @ 7048 0ft (AWS 730)
Site:	SEC 13-T32N-R8W	MD Reference:	DFE @ 7048 0ft (AWS 730)
Well:	Reese Mesa #101H	North Reference:	True
Wellbore:	Lateral A	Survey Calculation Method:	Minimum Curvature
Design:	As Drilled	Database:	EDMCOP

Project	SJB (NM West), 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)		Using Well Reference Point
Map Zone:	New Mexico West 3003		Using geodetic scale factor

Site		SEC 13-T32N-R8W			
Site Position:		Northing:	2,175,338.06 ft	Latitude:	36° 58' 40.883 N
From:	Lat/Long	Easting:	562,080.38 ft	Longitude:	107° 37' 14.886 W
Position Uncertainty:	0 0 ft	Slot Radius:	6-1/8"	Grid Convergence:	0 13 °

Well	Reese Mesa #101H; Re-entry CBM HZ					
Well Position	+N-S	0.0 ft	Northing:	2,175,338.06 ft	Latitude:	36° 58' 40.883 N
	+E-W	0.0 ft	Easting:	562,080.38 ft	Longitude:	107° 37' 14.886 W
Position Uncertainty		3 5 ft	Wellhead Elevation:	ft	Ground Level:	7,033 0 ft

Wellbore	Lateral A				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	BGGM2011	6/28/2011	9 86	63 70	50,862

Design		As Drilled		
Audit Notes:				
Version:	1 0	Phase:	ACTUAL	Tie On Depth: 3,575 0
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W	Direction
	(ft)	(ft)	(ft)	(°)
	0 0	0 0	0 0	350 71

Survey Program	Date	10/19/2011			
From	To	Survey (Wellbore)	Tool Name	Description	
25 0	3,575 0	SDI Gyro (Motherbore OH)	Standard Keeper	Standard Wireline Keeper ver 1 0 2	
3,590.0	5,503 0	SDI MWD (Lateral A)	MWD SDI	MWD - Standard ver 1 0 1	

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	
25 0	1 09	353 61	25 0	0 2	0 0	0 2	4 36	4 36	0 00	
50 0	1 08	352 38	50 0	0 7	-0 1	0 7	0 10	-0 04	-4 92	
75 0	0 87	347 54	75 0	1 1	-0 2	1 1	0 90	-0 84	-19 36	
100 0	0 84	348 44	100 0	1 5	-0 2	1 5	0 13	-0 12	3 60	
125 0	0 75	351 25	125 0	1 8	-0 3	1 9	0 39	-0 36	11 24	
150 0	0 47	358 11	150 0	2 1	-0 3	2 1	1 16	-1 12	27 44	
175 0	0 51	356 98	175 0	2 3	-0 3	2 3	0 16	0 16	-4 52	
200 0	0 44	355 20	200 0	2 5	-0 3	2 5	0 29	-0 28	-7 12	
225 0	0 53	354 62	225 0	2 7	-0 4	2 7	0 36	0 36	-2 32	
250 0	0 51	356 19	250 0	3 0	-0 4	3 0	0 10	-0 08	6 28	
275 0	0 55	3 46	275 0	3 2	-0 4	3 2	0 31	0 16	29 08	

Company:	ConocoPhillips	Local Co-ordinate Reference:	Well Reese Mesa #101H
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Site:	SEC 13-T32N-R8W	MD Reference:	DFE @ 7048.0ft (AWS 730)
Well:	Reese Mesa #101H	North Reference:	True
Wellbore:	Lateral A	Survey Calculation Method:	Minimum Curvature
Design:	As Drilled	Database:	EDM/COP

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)
300.0	0.55	3.11	300.0	3.4	-0.4	3.4	0.01	0.00	-1.40
325.0	0.51	12.65	325.0	3.7	-0.3	3.7	0.39	-0.16	38.16
350.0	0.52	23.47	350.0	3.9	-0.3	3.9	0.39	0.04	43.28
375.0	0.50	42.78	375.0	4.0	-0.2	4.0	0.69	-0.08	77.24
400.0	0.51	40.68	400.0	4.2	0.0	4.2	0.08	0.04	-8.40
425.0	0.61	36.74	425.0	4.4	0.1	4.3	0.43	0.40	-15.76
450.0	0.70	36.78	450.0	4.6	0.3	4.5	0.36	0.36	0.16
475.0	0.66	42.71	475.0	4.9	0.5	4.7	0.32	-0.16	23.72
500.0	0.65	44.55	500.0	5.1	0.7	4.9	0.09	-0.04	7.36
525.0	0.66	43.21	525.0	5.3	0.9	5.1	0.07	0.04	-5.36
550.0	0.67	40.43	550.0	5.5	1.1	5.2	0.14	0.04	-11.12
575.0	0.61	49.40	575.0	5.7	1.3	5.4	0.47	-0.24	35.88
600.0	0.58	51.42	600.0	5.9	1.5	5.5	0.15	-0.12	8.08
625.0	0.44	58.21	625.0	6.0	1.7	5.6	0.61	-0.56	27.16
650.0	0.42	60.09	650.0	6.1	1.8	5.7	0.10	-0.08	7.52
675.0	0.42	67.46	675.0	6.2	2.0	5.8	0.22	0.00	29.48
700.0	0.43	78.37	700.0	6.2	2.2	5.8	0.33	0.04	43.64
725.0	0.45	87.10	725.0	6.2	2.4	5.8	0.28	0.08	34.92
750.0	0.47	92.19	750.0	6.2	2.6	5.7	0.18	0.08	20.36
775.0	0.48	101.24	775.0	6.2	2.8	5.7	0.30	0.04	36.20
800.0	0.49	108.25	800.0	6.2	3.0	5.6	0.24	0.04	28.04
825.0	0.49	107.75	825.0	6.1	3.2	5.5	0.02	0.00	-2.00
850.0	0.51	106.67	850.0	6.0	3.4	5.4	0.09	0.08	-4.32
875.0	0.55	103.43	875.0	6.0	3.6	5.3	0.20	0.16	-12.96
900.0	0.62	103.65	900.0	5.9	3.9	5.2	0.28	0.28	0.88
925.0	0.66	105.07	924.9	5.8	4.1	5.1	0.17	0.16	5.68
950.0	0.65	104.80	949.9	5.8	4.4	5.0	0.04	-0.04	-1.08
975.0	0.73	109.07	974.9	5.7	4.7	4.8	-0.38	0.32	17.08
1,000.0	0.74	107.82	999.9	5.6	5.0	4.7	0.08	0.04	-5.00
1,025.0	0.71	99.87	1,024.9	5.5	5.3	4.6	0.42	-0.12	-31.80
1,050.0	0.77	102.55	1,049.9	5.4	5.6	4.5	0.28	0.24	10.72
1,075.0	0.81	105.02	1,074.9	5.4	6.0	4.3	0.21	0.16	9.88
1,100.0	0.85	105.20	1,099.9	5.3	6.3	4.2	0.16	0.16	0.72
1,125.0	0.91	100.05	1,124.9	5.2	6.7	4.0	0.40	0.24	-20.60
1,150.0	0.99	95.22	1,149.9	5.1	7.1	3.9	0.45	0.32	-19.32
1,175.0	1.04	95.90	1,174.9	5.1	7.5	3.8	0.21	0.20	2.72
1,200.0	1.04	96.12	1,199.9	5.0	8.0	3.7	0.02	0.00	0.88
1,225.0	1.06	96.70	1,224.9	5.0	8.4	3.6	0.09	0.08	2.32
1,250.0	1.08	94.57	1,249.9	4.9	8.9	3.4	0.18	0.08	-8.52
1,275.0	1.07	93.42	1,274.9	4.9	9.4	3.3	0.10	-0.04	-4.60
1,300.0	1.09	96.24	1,299.9	4.9	9.8	3.2	0.23	0.08	11.28
1,325.0	1.13	100.60	1,324.9	4.8	10.3	3.1	0.37	0.16	17.44
1,350.0	1.13	92.51	1,349.9	4.7	10.8	2.9	0.64	0.00	-32.36
1,375.0	1.20	90.76	1,374.9	4.7	11.3	2.8	0.31	0.28	-7.00
1,400.0	1.19	92.18	1,399.9	4.7	11.8	2.7	0.13	-0.04	5.68
1,425.0	1.14	89.75	1,424.9	4.7	12.3	2.6	0.28	-0.20	-9.72
1,450.0	1.04	91.22	1,449.9	4.7	12.8	2.6	0.42	-0.40	5.88
1,475.0	0.96	89.06	1,474.9	4.7	13.3	2.5	0.35	-0.32	-8.64
1,500.0	0.97	87.86	1,499.9	4.7	13.7	2.4	0.09	0.04	-4.80
1,525.0	0.93	89.06	1,524.9	4.7	14.1	2.4	0.18	-0.16	4.80
1,550.0	0.82	86.39	1,549.9	4.7	14.5	2.3	0.47	-0.44	-10.68
1,575.0	0.77	81.97	1,574.9	4.8	14.8	2.3	0.32	-0.20	-17.68
1,600.0	0.75	81.40	1,599.9	4.8	15.1	2.3	0.09	-0.08	-2.28
1,625.0	0.75	80.03	1,624.9	4.9	15.5	2.3	0.07	0.00	-5.48

Company:	ConocoPhillips	Local Co-ordinate Reference:	Well Reese Mesa #101H
Project:	SJB (NM West)	TVD Reference:	DFE @ 7048 0ft (AWS 730)
Site:	SEC 13-T32N-R8W	MD Reference:	DFE @ 7048 0ft (AWS 730)
Well:	Reese Mesa #101H	North Reference:	True
Wellbore:	Lateral A	Survey Calculation Method:	Minimum Curvature
Design:	As Drilled	Database:	EDMCOP

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)
1,650.0	0.72	78.34	1,649.9	4.9	15.8	2.3	0.15	-0.12	-6.76
1,675.0	0.73	83.59	1,674.8	5.0	16.1	2.3	0.27	0.04	21.00
1,700.0	0.67	85.10	1,699.8	5.0	16.4	2.3	0.25	-0.24	6.04
1,725.0	0.65	79.92	1,724.8	5.0	16.7	2.3	0.25	-0.08	-20.72
1,750.0	0.64	85.57	1,749.8	5.1	17.0	2.3	0.26	-0.04	22.60
1,775.0	0.58	79.60	1,774.8	5.1	17.2	2.3	0.35	-0.24	-23.88
1,800.0	0.61	76.74	1,799.8	5.2	17.5	2.3	0.17	0.12	-11.44
1,825.0	0.56	66.59	1,824.8	5.2	17.7	2.3	0.46	-0.20	-40.60
1,850.0	0.54	71.89	1,849.8	5.3	17.9	2.4	0.22	-0.08	21.20
1,875.0	0.55	67.54	1,874.8	5.4	18.2	2.4	0.17	0.04	-17.40
1,900.0	0.55	74.13	1,899.8	5.5	18.4	2.5	0.25	0.00	26.36
1,925.0	0.60	68.82	1,924.8	5.6	18.6	2.5	0.29	0.20	-21.24
1,950.0	0.63	75.55	1,949.8	5.7	18.9	2.5	0.31	0.12	26.92
1,975.0	0.69	81.65	1,974.8	5.7	19.2	2.5	0.37	0.24	24.40
2,000.0	0.69	80.73	1,999.8	5.8	19.5	2.5	0.04	0.00	-3.68
2,025.0	0.72	84.88	2,024.8	5.8	19.8	2.5	0.24	0.12	16.60
2,050.0	0.73	92.95	2,049.8	5.8	20.1	2.5	0.41	0.04	32.28
2,075.0	0.75	91.63	2,074.8	5.8	20.4	2.4	0.11	0.08	-5.28
2,100.0	0.76	95.24	2,099.8	5.8	20.7	2.3	0.19	0.04	14.44
2,125.0	0.78	93.04	2,124.8	5.7	21.1	2.3	0.14	0.08	-8.80
2,150.0	0.76	93.10	2,149.8	5.7	21.4	2.2	0.08	-0.08	0.24
2,175.0	0.74	98.62	2,174.8	5.7	21.7	2.1	0.30	-0.08	22.08
2,200.0	0.70	96.91	2,199.8	5.7	22.0	2.0	0.18	-0.16	-6.84
2,225.0	0.65	97.38	2,224.8	5.6	22.3	1.9	0.20	-0.20	1.88
2,250.0	0.62	105.79	2,249.8	5.6	22.6	1.8	0.39	-0.12	33.64
2,275.0	0.60	98.84	2,274.8	5.5	22.9	1.7	0.31	-0.08	-27.80
2,300.0	0.62	98.48	2,299.8	5.5	23.1	1.7	0.08	0.08	-1.44
2,325.0	0.58	109.73	2,324.8	5.4	23.4	1.6	0.50	-0.16	45.00
2,350.0	0.52	112.95	2,349.8	5.3	23.6	1.4	0.27	-0.24	12.88
2,375.0	0.52	116.43	2,374.8	5.2	23.8	1.3	0.13	0.00	13.92
2,400.0	0.53	120.77	2,399.8	5.1	24.0	1.2	0.16	0.04	17.36
2,425.0	0.52	101.03	2,424.8	5.0	24.2	1.1	0.72	-0.04	-78.96
2,450.0	0.55	107.77	2,449.8	5.0	24.4	1.0	0.28	0.12	26.96
2,475.0	0.47	105.87	2,474.8	4.9	24.7	0.9	0.33	-0.32	-7.60
2,500.0	0.43	112.83	2,499.8	4.8	24.8	0.8	0.27	-0.16	27.84
2,525.0	0.42	108.02	2,524.8	4.8	25.0	0.7	0.15	-0.04	-19.24
2,550.0	0.42	108.75	2,549.8	4.7	25.2	0.6	0.02	0.00	2.92
2,575.0	0.40	121.66	2,574.8	4.6	25.4	0.5	0.38	-0.08	51.64
2,600.0	0.34	119.72	2,599.8	4.6	25.5	0.4	0.25	-0.24	-7.76
2,625.0	0.28	145.09	2,624.8	4.5	25.6	0.3	0.59	-0.24	101.48
2,650.0	0.22	155.62	2,649.8	4.4	25.6	0.2	0.30	-0.24	42.12
2,675.0	0.33	149.86	2,674.8	4.3	25.7	0.1	0.45	0.44	-23.04
2,700.0	0.33	145.35	2,699.8	4.2	25.8	-0.1	0.10	0.00	-18.04
2,725.0	0.32	148.52	2,724.8	4.0	25.9	-0.2	0.08	-0.04	12.68
2,750.0	0.28	146.06	2,749.8	3.9	25.9	-0.3	0.17	-0.16	-9.84
2,775.0	0.38	154.72	2,774.8	3.8	26.0	-0.4	0.45	0.40	34.64
2,800.0	0.31	160.93	2,799.8	3.7	26.1	-0.6	0.32	-0.28	24.84
2,825.0	0.29	150.51	2,824.8	3.5	26.1	-0.7	0.23	-0.08	-41.68
2,850.0	0.30	134.44	2,849.8	3.4	26.2	-0.8	0.33	0.04	-64.28
2,875.0	0.26	140.64	2,874.8	3.3	26.3	-0.9	0.20	-0.16	24.80
2,900.0	0.22	138.51	2,899.8	3.3	26.3	-1.0	0.16	-0.16	-8.52
2,925.0	0.22	133.80	2,924.8	3.2	26.4	-1.1	0.07	0.00	-18.84
2,950.0	0.27	108.45	2,949.8	3.1	26.5	-1.2	0.47	0.20	-101.40
2,975.0	0.44	106.08	2,974.8	3.1	26.6	-1.2	0.68	0.68	-9.48

Company:	ConocoPhillips	Local Co-ordinate Reference:	Well Reese Mesa #101H
Project:	SJB (NM West)	TVD Reference:	DFE @ 7048 0ft (AWS 730)
Site:	SEC 13-T32N-R8W	MD Reference:	DFE @ 7048 0ft (AWS 730)
Well:	Reese Mesa #101H	North Reference:	True
Wellbore:	Lateral A	Survey Calculation Method:	Minimum Curvature
Design:	As Drilled	Database:	EDMCOP

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)
3,000.0	0.45	109.59	2,999.8	3.0	26.8	-1.3	0.12	0.04	14.04
3,025.0	0.42	114.92	3,024.8	3.0	27.0	-1.4	0.20	-0.12	21.32
3,050.0	0.37	126.48	3,049.8	2.9	27.2	-1.5	0.38	-0.20	46.24
3,075.0	0.42	125.28	3,074.8	2.8	27.3	-1.7	0.20	0.20	-4.80
3,100.0	0.35	98.51	3,099.8	2.7	27.4	-1.7	0.76	-0.28	-107.08
3,125.0	0.37	84.62	3,124.8	2.7	27.6	-1.8	0.36	0.08	-55.56
3,150.0	0.37	92.85	3,149.8	2.7	27.8	-1.8	0.21	0.00	32.92
3,175.0	0.32	95.36	3,174.8	2.7	27.9	-1.8	0.21	-0.20	10.04
3,200.0	0.38	89.51	3,199.8	2.7	28.1	-1.9	0.28	0.24	-23.40
3,225.0	0.31	112.61	3,224.8	2.7	28.2	-1.9	0.62	-0.28	92.40
3,250.0	0.24	148.23	3,249.8	2.6	28.3	-2.0	0.72	-0.28	142.48
3,275.0	0.31	136.78	3,274.8	2.5	28.4	-2.1	0.35	0.28	-45.80
3,300.0	0.29	138.01	3,299.8	2.4	28.5	-2.2	0.08	-0.08	4.92
3,325.0	0.20	140.41	3,324.8	2.3	28.5	-2.3	0.36	-0.36	9.60
3,350.0	0.15	136.59	3,349.8	2.3	28.6	-2.4	0.21	-0.20	-15.28
3,375.0	0.17	126.22	3,374.8	2.2	28.6	-2.4	0.14	0.08	-41.48
3,400.0	0.13	107.26	3,399.8	2.2	28.7	-2.5	0.25	-0.16	-75.84
3,425.0	0.09	80.33	3,424.8	2.2	28.7	-2.5	0.26	-0.16	-107.72
3,450.0	0.05	256.48	3,449.8	2.2	28.7	-2.5	0.56	-0.16	704.60
3,475.0	0.12	191.01	3,474.8	2.2	28.7	-2.5	0.44	0.28	-261.88
3,500.0	0.17	274.80	3,499.8	2.1	28.7	-2.5	0.79	0.20	335.16
3,525.0	0.20	307.72	3,524.8	2.2	28.6	-2.5	0.43	0.12	131.68
3,550.0	0.09	254.67	3,549.8	2.2	28.6	-2.4	0.65	-0.44	-212.20
3,575.0	0.17	187.83	3,574.8	2.2	28.5	-2.5	0.63	0.32	-267.36
TIP									
3,590.0	3.26	12.04	3,589.8	2.6	28.6	-2.1	22.86	20.60	-1,171.94
First SDI MWD Survey									
3,621.0	8.97	8.35	3,620.6	5.8	29.2	1.0	18.45	18.42	-11.90
3,653.0	15.75	4.31	3,651.8	12.6	29.8	7.6	21.35	21.19	-12.63
3,684.0	21.82	1.58	3,681.2	22.6	30.3	17.4	19.78	19.58	-8.81
3,702.0	25.78	0.13	3,697.6	29.8	30.4	24.5	22.24	22.00	-8.06
3,734.0	30.63	356.45	3,725.8	44.9	29.9	39.5	16.09	15.16	-11.50
3,765.0	36.11	348.23	3,751.7	61.8	27.6	56.5	22.88	17.68	-26.52
3,797.0	41.74	346.76	3,776.6	81.4	23.2	76.6	17.83	17.59	-4.59
3,829.0	47.98	347.66	3,799.3	103.4	18.2	99.1	19.60	19.50	2.81
3,860.0	53.95	350.56	3,818.8	127.0	13.7	123.2	20.58	19.26	9.35
3,892.0	58.93	351.91	3,836.5	153.4	9.7	149.8	15.95	15.56	4.22
3,924.0	62.61	351.88	3,852.1	181.0	5.7	177.7	11.50	11.50	-0.09
3,955.0	66.50	352.32	3,865.4	208.8	1.9	205.7	12.61	12.55	1.42
3,982.0	72.10	352.14	3,875.0	233.8	-1.5	231.0	20.75	20.74	-0.67
4,014.0	77.49	353.25	3,883.3	264.4	-5.5	261.8	17.17	16.84	3.47
4,045.0	79.42	351.03	3,889.5	294.5	-9.6	292.2	9.38	6.23	-7.16
4,070.0	81.10	352.08	3,893.8	318.8	-13.2	316.8	7.89	6.72	4.20
4,109.0	86.19	352.12	3,898.1	357.2	-18.6	355.5	13.05	13.05	0.10
4,139.0	90.51	352.81	3,899.0	386.9	-22.5	385.5	14.58	14.40	2.30
4,170.0	90.94	352.71	3,898.6	417.7	-26.4	416.5	1.42	1.39	-0.32
4,200.0	90.74	353.27	3,898.1	447.5	-30.1	446.5	1.98	-0.67	1.87
4,231.0	89.97	351.79	3,897.9	478.2	-34.1	477.4	5.38	-2.48	-4.77
4,261.0	89.29	351.20	3,898.1	507.9	-38.5	507.4	3.00	-2.27	-1.97
4,292.0	90.00	351.74	3,898.3	538.5	-43.1	538.4	2.88	2.29	1.74
4,322.0	92.15	352.93	3,897.8	568.3	-47.1	568.4	8.19	7.17	3.97
4,353.0	91.21	353.08	3,896.8	599.0	-50.9	599.4	3.07	-3.03	0.48
4,383.0	89.63	351.14	3,896.6	628.7	-55.0	629.4	8.34	-5.27	-6.47
4,414.0	87.24	350.64	3,897.5	659.3	-59.9	660.3	7.88	-7.71	-1.61

Company:	ConocoPhillips	Local Co-ordinate Reference:	Well Reese Mesa #101H
Project:	SJB (NM West)	TVD Reference:	DFE @ 7048 0ft (AWS 730)
Site:	SEC 13-T32N-R8W	MD Reference:	DFE @ 7048 0ft (AWS 730)
Well:	Reese Mesa #101H	North Reference:	True
Wellbore:	Lateral A	Survey Calculation Method:	Minimum Curvature
Design:	As Drilled	Database:	EDMCOP

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)
4,445.0	87.27	350.93	3,899.0	689.9	-64.9	691.3	0.94	0.10	0.94
4,475.0	88.55	352.83	3,900.1	719.6	-69.1	721.3	7.63	4.27	6.33
4,506.0	90.47	353.93	3,900.3	750.3	-72.7	752.2	7.14	6.19	3.55
4,537.0	87.98	353.66	3,900.7	781.2	-76.0	783.2	8.08	-8.03	-0.87
4,567.0	87.65	354.11	3,901.9	811.0	-79.2	813.1	1.86	-1.10	1.50
4,598.0	86.06	354.79	3,903.6	841.8	-82.2	844.0	5.58	-5.13	2.19
4,628.0	86.13	354.58	3,905.6	871.6	-85.0	873.9	0.74	0.23	-0.70
4,659.0	87.07	353.76	3,907.5	902.4	-88.1	904.8	4.02	3.03	-2.65
4,689.0	87.74	353.05	3,908.8	932.1	-91.6	934.7	3.25	2.23	-2.37
4,720.0	87.61	350.94	3,910.1	962.8	-95.9	965.7	6.81	-0.42	-6.81
4,750.0	88.25	349.47	3,911.2	992.3	-101.0	995.6	5.34	2.13	-4.90
4,781.0	89.80	349.58	3,911.7	1,022.8	-106.6	1,026.6	5.01	5.00	0.35
4,812.0	90.67	349.02	3,911.6	1,053.3	-112.4	1,057.6	3.34	2.81	-1.81
4,842.0	90.84	349.05	3,911.2	1,082.7	-118.1	1,087.6	0.58	0.57	0.10
4,873.0	91.61	348.36	3,910.5	1,113.1	-124.2	1,118.6	3.33	2.48	-2.23
4,903.0	91.98	348.10	3,909.6	1,142.5	-130.3	1,148.5	1.51	1.23	-0.87
4,934.0	92.93	347.81	3,908.2	1,172.8	-136.7	1,179.5	3.20	3.06	-0.94
4,965.0	93.30	347.76	3,906.6	1,203.0	-143.3	1,210.4	1.20	1.19	-0.16
4,995.0	93.36	347.11	3,904.8	1,232.3	-149.8	1,240.3	2.17	0.20	-2.17
5,026.0	93.46	347.28	3,903.0	1,262.4	-156.7	1,271.2	0.64	0.32	0.55
5,056.0	93.94	346.75	3,901.0	1,291.6	-163.4	1,301.0	2.38	1.60	-1.77
5,087.0	94.04	346.98	3,898.9	1,321.7	-170.4	1,331.9	0.81	0.32	0.74
5,118.0	94.75	346.82	3,896.5	1,351.8	-177.4	1,362.7	2.35	2.29	-0.52
5,148.0	94.84	347.14	3,894.0	1,381.0	-184.2	1,392.6	1.10	0.30	1.07
5,178.0	92.96	344.65	3,892.0	1,410.0	-191.5	1,422.4	10.38	-6.27	-8.30
5,209.0	89.90	344.01	3,891.2	1,439.8	-199.8	1,453.2	10.08	-9.87	-2.06
5,239.0	90.00	344.61	3,891.2	1,468.7	-207.9	1,483.0	2.03	0.33	2.00
5,270.0	89.93	343.97	3,891.2	1,498.5	-216.3	1,513.8	2.08	-0.23	-2.06
5,301.0	90.30	343.52	3,891.2	1,528.3	-225.0	1,544.6	1.88	1.19	-1.45
5,331.0	90.77	344.19	3,890.9	1,557.1	-233.3	1,574.4	2.73	1.57	2.23
5,362.0	92.12	345.31	3,890.1	1,587.0	-241.5	1,605.2	5.66	4.35	3.61
5,393.0	92.49	345.34	3,888.9	1,617.0	-249.3	1,636.0	1.20	1.19	0.10
5,423.0	93.13	345.18	3,887.4	1,645.9	-257.0	1,665.8	2.20	2.13	-0.53
5,454.0	93.80	345.54	3,885.5	1,675.9	-264.8	1,696.7	2.45	2.16	1.16
Last SDI MWD Survey									
5,503.0	93.80	345.54	3,882.3	1,723.2	-277.0	1,745.3	0.00	0.00	0.00
Projection to TD									

Design Annotations

Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
3,575.0	3,574.8	2.2	28.5	TIP
3,590.0	3,589.8	2.6	28.6	First SDI MWD Survey
5,454.0	3,885.5	1,675.9	-264.8	Last SDI MWD Survey
5,503.0	3,882.3	1,723.2	-277.0	Projection to TD

Checked By: _____ Approved By: _____ Date: _____



Scientific Drilling
Directional Drilling Operations



ConocoPhillips

SJB (NM West)
SEC 13-T32N-R8W
Reese Mesa #101H

Lateral B

Design: Lateral B

Standard Survey Report

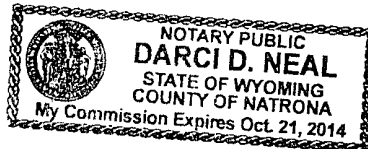
08 September, 2011

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

Notarized this date 9th of September, 2011.

Darci D. Neal

Notary Signature
County of Natrona
State of Wyoming



ConocoPhillips

Company:	ConocoPhillips	Local Co-ordinate Reference:	Well Reese Mesa #101H
Project:	SJB (NM West)	TVD Reference:	DFE @ 7048.0ft (AWS 730)
Site:	SEC 13-T32N-R8W	MD Reference:	DFE @ 7048.0ft (AWS 730)
Well:	Reese Mesa #101H	North Reference:	True
Wellbore:	Lateral B	Survey Calculation Method:	Minimum Curvature
Design:	Lateral B	Database:	EDMCOP

Project:	SJB (NM West), 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)		Using Well Reference Point
Map Zone:	New Mexico West 3003		Using geodetic scale factor

Site:	SEC 13-T32N-R8W		
Site Position:		Northing:	2,175,338.06 ft
From:	Lat/Long	Easting:	562,080.38 ft
Position Uncertainty:	0.0 ft	Slot Radius:	6-1/8"
		Latitude:	36° 58' 40.883 N
		Longitude:	107° 37' 14.886 W
		Grid Convergence:	0.13 °

Well:	Reese Mesa #101H, Re-entry CBM-HZ		
Well Position	+N-S	0.0 ft	Northing: 2,175,338.06 ft
	+E-W	0.0 ft	Easting: 562,080.38 ft
Position Uncertainty	3.5 ft	Wellhead Elevation:	ft
		Latitude:	36° 58' 40.883 N
		Longitude:	107° 37' 14.886 W
		Ground Level:	7,033.0 ft

Wellbore:	Lateral B		
Magnetics	Model Name	Sample Date	Declination
	BGGM2011	8/18/2011	(°)
			9.84
			63.70
			50,845

Design:	Lateral B		
Audit Notes:			
Version:	1.0	Phase:	ACTUAL
		Tie On Depth:	3,425.0
Vertical Section:	Depth From (TVD)	+N-S	+E-W
	(ft)	(ft)	(ft)
	0.0	0.0	0.0
		Direction	(°)
		350.71	

Survey Program	Date	9/8/2011		
From	To	Survey (Wellbore)	Tool Name	Description
(ft)	(ft)			
25.0	3,425.0	SDI Gyro (Motherbore OH)	Standard Keeper	Standard Wireline Keeper ver 1.0.2
3,439.0	6,751.0	Survey #1 (Lateral B)	MWD SDI	MWD - Standard ver 1.0.1

Survey										
Measured Depth	Inclination	Azimuth	Vertical Depth	+N-S	+E-W	Vertical Section	Dogleg Rate	Build Rate	Turn Rate	
(ft)	(°)	(°)	(ft)	(ft)	(ft)	(ft)	(°/100ft)	(°/100ft)	(°/100ft)	
3,425.0	0.09	80.33	3,424.8	2.2	28.7	-2.5	0.26	-0.16	-107.72	
TIP to OH										
3,439.0	1.94	346.90	3,438.8	2.4	28.7	-2.2	13.91	13.21	-667.36	
First SDI MWD Survey										
3,471.0	8.27	351.83	3,470.6	5.2	28.2	0.6	19.81	19.78	15.41	
3,502.0	15.92	355.69	3,500.9	11.7	27.6	7.1	24.80	24.68	12.45	
3,533.0	22.43	353.85	3,530.2	21.8	26.7	17.2	21.09	21.00	-5.94	
3,551.0	25.26	352.42	3,546.7	29.0	25.8	24.5	16.05	15.72	-7.94	
3,582.0	31.53	344.52	3,573.9	43.4	22.7	39.2	23.54	20.23	-25.48	
3,614.0	36.69	344.26	3,600.4	60.7	17.9	57.0	16.13	16.13	-0.81	
3,646.0	43.04	349.20	3,625.0	80.7	13.3	77.5	22.16	19.84	15.44	

Company:	ConocoPhillips	Local Co-ordinate Reference:	Well Reese Mesa #101H
Project:	SJB (NM West)	TVD Reference:	DFE @ 7048.0ft (AWS 730)
Site:	SEC 13-T32N-R8W	MD Reference:	DFE @ 7048.0ft (AWS 730)
Well:	Reese Mesa #101H	North Reference:	True
Wellbore:	Lateral B	Survey Calculation Method:	Minimum Curvature
Design:	Lateral B	Database:	EDMCOP

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)	
3,677.0	49.50	352.16	3,646.4	102.8	9.7	99.9	21.95	20.84	9.55	
3,709.0	57.24	351.45	3,665.5	128.2	6.0	125.5	24.25	24.19	-2.22	
3,741.0	63.85	349.41	3,681.2	155.6	1.4	153.4	21.39	20.66	-6.38	
3,772.0	71.55	347.30	3,692.9	183.7	-4.4	182.0	25.62	24.84	-6.81	
3,818.0	81.91	343.06	3,703.5	226.9	-15.9	226.5	24.24	22.52	-9.22	
3,849.0	84.82	343.00	3,707.1	256.3	-24.9	257.0	9.39	9.39	-0.19	
3,881.0	85.22	343.56	3,709.9	286.9	-34.1	288.6	2.15	1.25	1.75	
3,912.0	87.14	344.69	3,711.9	316.6	-42.5	319.3	7.18	6.19	3.65	
3,944.0	89.09	346.79	3,713.0	347.6	-50.4	351.2	8.95	6.09	6.56	
3,975.0	89.60	347.20	3,713.3	377.8	-57.4	382.1	2.11	1.65	1.32	
4,007.0	88.18	346.94	3,713.9	409.0	-64.5	414.0	4.51	-4.44	-0.81	
4,038.0	87.78	346.94	3,715.0	439.2	-71.5	445.0	1.29	-1.29	0.00	
4,069.0	86.74	347.29	3,716.5	469.4	-78.4	475.9	3.54	-3.35	1.13	
4,100.0	86.97	346.50	3,718.2	499.5	-85.5	506.7	2.65	0.74	-2.55	
4,131.0	86.60	347.65	3,720.0	529.7	-92.4	537.6	3.89	-1.19	3.71	
4,161.0	86.63	347.10	3,721.7	558.9	-98.9	567.5	1.83	0.10	-1.83	
4,191.0	87.51	347.17	3,723.3	588.1	-105.6	597.4	2.94	2.93	0.23	
4,222.0	87.91	348.09	3,724.5	618.4	-112.2	628.4	3.23	1.29	2.97	
4,252.0	88.35	348.22	3,725.5	647.7	-118.4	658.3	1.53	1.47	0.43	
4,283.0	88.96	347.47	3,726.2	678.0	-124.9	689.3	3.12	1.97	-2.42	
4,314.0	89.36	347.99	3,726.7	708.3	-131.5	720.2	2.12	1.29	1.68	
4,344.0	88.82	348.35	3,727.1	737.6	-137.7	750.2	2.16	-1.80	1.20	
4,375.0	89.36	348.68	3,727.6	768.0	-143.8	781.2	2.04	1.74	1.06	
4,405.0	90.13	348.91	3,727.8	797.4	-149.7	811.1	2.68	2.57	0.77	
4,436.0	91.01	349.93	3,727.5	827.9	-155.3	842.1	4.35	2.84	3.29	
4,467.0	91.04	350.13	3,726.9	858.4	-160.7	873.1	0.65	0.10	0.65	
4,497.0	90.74	350.37	3,726.4	888.0	-165.8	903.1	1.28	-1.00	0.80	
4,528.0	91.48	350.22	3,725.8	918.6	-171.0	934.1	2.44	2.39	-0.48	
4,558.0	92.08	350.57	3,724.9	948.1	-176.0	964.1	2.32	2.00	1.17	
4,589.0	92.96	351.49	3,723.5	978.7	-180.9	995.1	4.10	2.84	2.97	
4,619.0	93.19	351.64	3,721.9	1,008.3	-185.2	1,025.0	0.91	0.77	0.50	
4,650.0	93.00	351.76	3,720.3	1,039.0	-189.7	1,056.0	0.72	-0.61	0.39	
4,680.0	93.64	351.16	3,718.5	1,068.6	-194.2	1,085.9	2.92	2.13	-2.00	
4,711.0	93.40	350.83	3,716.6	1,099.2	-199.0	1,116.9	1.31	-0.77	-1.06	
4,741.0	93.43	351.68	3,714.8	1,128.8	-203.6	1,146.8	2.83	0.10	2.83	
4,772.0	93.40	351.28	3,713.0	1,159.4	-208.1	1,177.7	1.29	-0.10	-1.29	
4,803.0	92.76	351.05	3,711.3	1,189.9	-212.9	1,208.7	2.19	-2.06	-0.74	
4,833.0	92.69	351.20	3,709.9	1,219.6	-217.5	1,238.7	0.55	-0.23	0.50	
4,864.0	92.72	351.04	3,708.4	1,250.1	-222.3	1,269.6	0.52	0.10	-0.52	
4,894.0	92.15	351.95	3,707.2	1,279.8	-226.7	1,299.6	3.58	-1.90	3.03	
4,925.0	91.45	351.39	3,706.2	1,310.4	-231.2	1,330.6	2.89	-2.26	-1.81	
4,956.0	90.24	351.83	3,705.7	1,341.1	-235.7	1,361.6	4.15	-3.90	1.42	
4,986.0	89.87	351.58	3,705.7	1,370.8	-240.1	1,391.6	1.49	-1.23	-0.83	
5,017.0	89.43	352.32	3,705.9	1,401.5	-244.4	1,422.6	2.78	-1.42	2.39	
5,047.0	89.76	352.23	3,706.1	1,431.2	-248.4	1,452.5	1.14	1.10	-0.30	
5,078.0	89.19	351.76	3,706.4	1,461.9	-252.8	1,483.5	2.38	-1.84	-1.52	
5,108.0	89.26	352.62	3,706.8	1,491.6	-256.8	1,513.5	2.88	0.23	2.87	
5,139.0	89.66	352.75	3,707.1	1,522.4	-260.8	1,544.5	1.36	1.29	0.42	
5,169.0	89.73	352.66	3,707.2	1,552.1	-264.6	1,574.5	0.38	0.23	-0.30	
5,200.0	89.73	352.40	3,707.4	1,582.9	-268.6	1,605.5	0.84	0.00	-0.84	
5,230.0	89.70	352.79	3,707.5	1,612.6	-272.5	1,635.5	1.30	-0.10	1.30	
5,261.0	89.66	351.98	3,707.7	1,643.3	-276.6	1,666.4	2.62	-0.13	-2.61	
5,291.0	89.53	352.70	3,707.9	1,673.1	-280.6	1,696.4	2.44	-0.43	2.40	
5,322.0	90.07	352.06	3,708.0	1,703.8	-284.7	1,727.4	2.70	1.74	-2.06	

Company:	ConocoPhillips	Local Co-ordinate Reference:	Well Reese Mesa #101H
Project:	SJB (NM West)	TVD Reference:	DFE @ 7048 0ft (AWS 730)
Site:	SEC 13-T32N-R8W	MD Reference:	DFE @ 7048 0ft (AWS 730)
Well:	Reese Mesa #101H	North Reference:	True
Wellbore:	Lateral B	Survey Calculation Method:	Minimum Curvature
Design:	Lateral B	Database:	EDMCOP

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)
5,353.0	90.10	351.87	3,708.0	1,734.5	-289.0	1,758.4	0.62	0.10	-0.61
5,383.0	89.90	351.19	3,708.0	1,764.2	-293.5	1,788.4	2.36	-0.67	-2.27
5,414.0	89.93	351.19	3,708.0	1,794.8	-298.2	1,819.4	0.10	0.10	0.00
5,444.0	90.91	350.96	3,707.8	1,824.4	-302.9	1,849.4	3.36	3.27	-0.77
5,475.0	90.98	351.44	3,707.3	1,855.1	-307.6	1,880.4	1.56	0.23	1.55
5,505.0	91.34	350.28	3,706.7	1,884.7	-312.4	1,910.4	4.05	1.20	-3.87
5,536.0	91.65	350.54	3,705.9	1,915.2	-317.5	1,941.4	1.30	1.00	0.84
5,566.0	91.21	351.35	3,705.1	1,944.9	-322.3	1,971.4	3.07	-1.47	2.70
5,597.0	91.88	351.11	3,704.3	1,975.5	-327.0	2,002.4	2.30	2.16	-0.77
5,627.0	92.12	350.78	3,703.2	2,005.1	-331.7	2,032.3	1.36	0.80	-1.10
5,658.0	92.86	350.90	3,701.9	2,035.7	-336.6	2,063.3	2.42	2.39	0.39
5,690.0	93.16	351.14	3,700.2	2,067.2	-341.6	2,095.3	1.20	0.94	0.75
5,721.0	93.46	350.88	3,698.4	2,097.8	-346.4	2,126.2	1.28	0.97	-0.84
5,753.0	92.39	350.11	3,696.8	2,129.3	-351.7	2,158.2	4.12	-3.34	-2.41
5,784.0	91.35	350.53	3,695.8	2,159.9	-356.9	2,189.2	3.62	-3.35	1.35
5,816.0	91.61	350.20	3,695.0	2,191.4	-362.3	2,221.1	1.31	0.81	-1.03
5,847.0	91.61	350.58	3,694.1	2,222.0	-367.5	2,252.1	1.23	0.00	1.23
5,878.0	91.75	350.97	3,693.2	2,252.5	-372.4	2,283.1	1.34	0.45	1.26
5,910.0	92.25	350.27	3,692.1	2,284.1	-377.6	2,315.1	2.69	1.56	-2.19
5,942.0	90.90	350.87	3,691.2	2,315.6	-382.9	2,347.1	4.62	-4.22	1.88
5,973.0	90.71	350.22	3,690.7	2,346.2	-388.0	2,378.1	2.18	-0.61	-2.10
6,005.0	90.54	350.46	3,690.4	2,377.8	-393.3	2,410.1	0.92	-0.53	0.75
6,037.0	90.81	350.99	3,690.0	2,409.3	-398.5	2,442.1	1.86	0.84	1.66
6,068.0	90.20	350.57	3,689.7	2,439.9	-403.5	2,473.1	2.39	-1.97	-1.35
6,100.0	90.74	349.76	3,689.5	2,471.5	-408.9	2,505.1	3.04	1.69	-2.53
6,132.0	91.11	350.13	3,689.0	2,503.0	-414.5	2,537.1	1.64	1.16	1.16
6,164.0	90.94	349.94	3,688.4	2,534.5	-420.1	2,569.1	0.80	-0.53	-0.59
6,195.0	91.65	349.43	3,687.7	2,565.0	-425.6	2,600.0	2.82	2.29	-1.65
6,227.0	91.78	348.98	3,686.7	2,596.4	-431.6	2,632.0	1.46	0.41	-1.41
6,259.0	92.35	349.65	3,685.6	2,627.8	-437.5	2,664.0	2.75	1.78	2.09
6,290.0	92.42	348.98	3,684.3	2,658.3	-443.3	2,694.9	2.17	0.23	-2.16
6,322.0	91.14	349.33	3,683.3	2,689.7	-449.3	2,726.9	4.15	-4.00	1.09
6,353.0	90.27	349.29	3,682.9	2,720.1	-455.0	2,757.9	2.81	-2.81	-0.13
6,384.0	88.82	349.18	3,683.2	2,750.6	-460.8	2,788.9	4.69	-4.68	-0.35
6,416.0	87.01	347.65	3,684.3	2,781.9	-467.2	2,820.8	7.40	-5.66	-4.78
6,447.0	86.94	347.23	3,686.0	2,812.1	-474.0	2,851.8	1.37	-0.23	-1.35
6,479.0	86.87	346.86	3,687.7	2,843.3	-481.1	2,883.6	1.18	-0.22	-1.16
6,511.0	86.77	346.58	3,689.5	2,874.4	-488.5	2,915.5	0.93	-0.31	-0.88
6,542.0	86.74	345.66	3,691.2	2,904.4	-495.9	2,946.4	2.96	-0.10	-2.97
6,574.0	86.74	346.60	3,693.0	2,935.4	-503.6	2,978.2	2.93	0.00	2.94
6,606.0	86.80	346.27	3,694.8	2,966.5	-511.1	3,010.1	1.05	0.19	-1.03
6,637.0	87.85	346.00	3,696.3	2,996.5	-518.5	3,040.9	3.50	3.39	-0.87
6,669.0	89.56	346.67	3,697.0	3,027.6	-526.0	3,072.8	5.74	5.34	2.09
6,700.0	89.80	347.25	3,697.2	3,057.8	-533.0	3,103.8	2.02	0.77	1.87
6,732.0	89.87	347.38	3,697.3	3,089.0	-540.1	3,135.7	0.46	0.22	0.41
6,751.0	90.47	346.93	3,697.2	3,107.6	-544.3	3,154.7	3.95	3.16	-2.37
Last SDI MWD Survey									

Company:	ConocoPhillips	Local Co-ordinate Reference:	Well Reese Mesa #101H
Project:	SJB (NM West)	TVD Reference:	DFE @ 7048.0ft (AWS 730)
Site:	SEC 13-T32N-R8W	MD Reference:	DFE @ 7048.0ft (AWS 730)
Well:	Reese Mesa #101H	North Reference:	True
Wellbore:	Lateral B	Survey Calculation Method:	Minimum Curvature
Design:	Lateral B	Database:	EDMCOP

Design Annotations				
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
3,425.0	3,424.8	2.2	28.7	TIP to OH
3,439.0	3,438.8	2.4	28.7	First SDI MWD Survey
6,751.0	3,697.2	3,107.6	-544.3	Last SDI MWD Survey

Checked By: _____ Approved By: _____ Date: _____