Submit 3 Copies To Appropriate District Office
District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Ave., Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-103
Jun 19, 2008

WELL API NO. **30-045-35044**

5. Indicate Type of Lease STATE ☐ FEE ☒

6. State Oil & Gas Lease No.

SUNDRY NOTICES AND REPORTS ON WELLS
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

7. Lease Name or Unit Agreement Name **Allison Unit Com**

1. Type of Well: Oil Well ☐ Gas Well ☒ Other

8. Well Number **149H**

2. Name of Operator **Burlington Resources Oil Gas Company LP**

9. OGRID Number **14538**

3. Address of Operator P.O. Box 4289, Farmington, NM 87499-4289

10. Pool name or Wildcat **Basin Fruitland Coal**

4. Well Location
Unit Letter **D** : **330** feet from the **North** line and **165** feet from the **West** line
Section **7** Township **32N** Range **6W** NMPM **San Juan** County

11. Elevation *(Show whether DR, RKB, RT, GR, etc.)* 6518' GR

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK ☐	PLUG AND ABANDON ☐	REMEDIAL WORK ☐	ALTERING CASING ☐
TEMPORARILY ABANDON ☐	CHANGE PLANS ☐	COMMENCE DRILLING OPNS. ☐	P AND A ☐
PULL OR ALTER CASING ☐	MULTIPLE COMPL ☐	CASING/CEMENT JOB ☐	
DOWNHOLE COMMINGLE ☐			
OTHER: Add Lateral ☒		OTHER: ☐	

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

Burlington Resources requests permission to add an additional lateral to the subject well. While drilling the first lateral encountered a natural fracture which has changed our drilling plans. The first lateral was only approximately 800' in length. Plans are to drill two more laterals to catch all coal intervals. Verbal was given by COGCC (Mark Weems) & OCD (Steve Hayden) on 10/19/10 to continue drilling. The survey plans and diagram are attached.

RCVD NOV 12 '10
OIL CONS. DIV.
DIST. 3

Spud Date: Rig Released Date:

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Patsy Clugston TITLE Staff Regulatory Technician DATE

Type or print name Crystal Tafoya E-mail address: crystal.tafoya@conocophillips.com PHONE: 505-326-9837

For State Use Only

APPROVED BY: Charlie Perrin TITLE SUPERVISOR DISTRICT # 3 DATE DEC 30 2010

Conditions of Approval (if any): Submit As Drilled Plats & Current wellbore schematic

Scientific Drilling
Directional Drilling Operations

ConocoPhillips

SJB (NM West)
SEC 07-T32N-R6W
Allison Unit COM 149H

Lateral B

Plan: Plan #3

Standard Planning Report

19 October, 2010

ConocoPhillips

Scientific Drilling
Directional Drilling Operations

Project: SJB (NM West)
Site: SEC 07-T32N-R6W
Well: Allison Unit COM 149H
Wellbore: Lateral B
Design: Plan #3

ConocoPhillips

REFERENCE INFORMATION

Co-ordinate (N/E) Reference: Well Allison Unit COM 149H, True North
Vertical (TVD) Reference: DFE @ 6277.0ft (AWS 730)
Section (VS) Reference: Slot - (0.0N, 0.0E)
Measured Depth Reference: DFE @ 6277.0ft (AWS 730)
Calculation Method: Minimum Curvature

PROJECT DETAILS

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

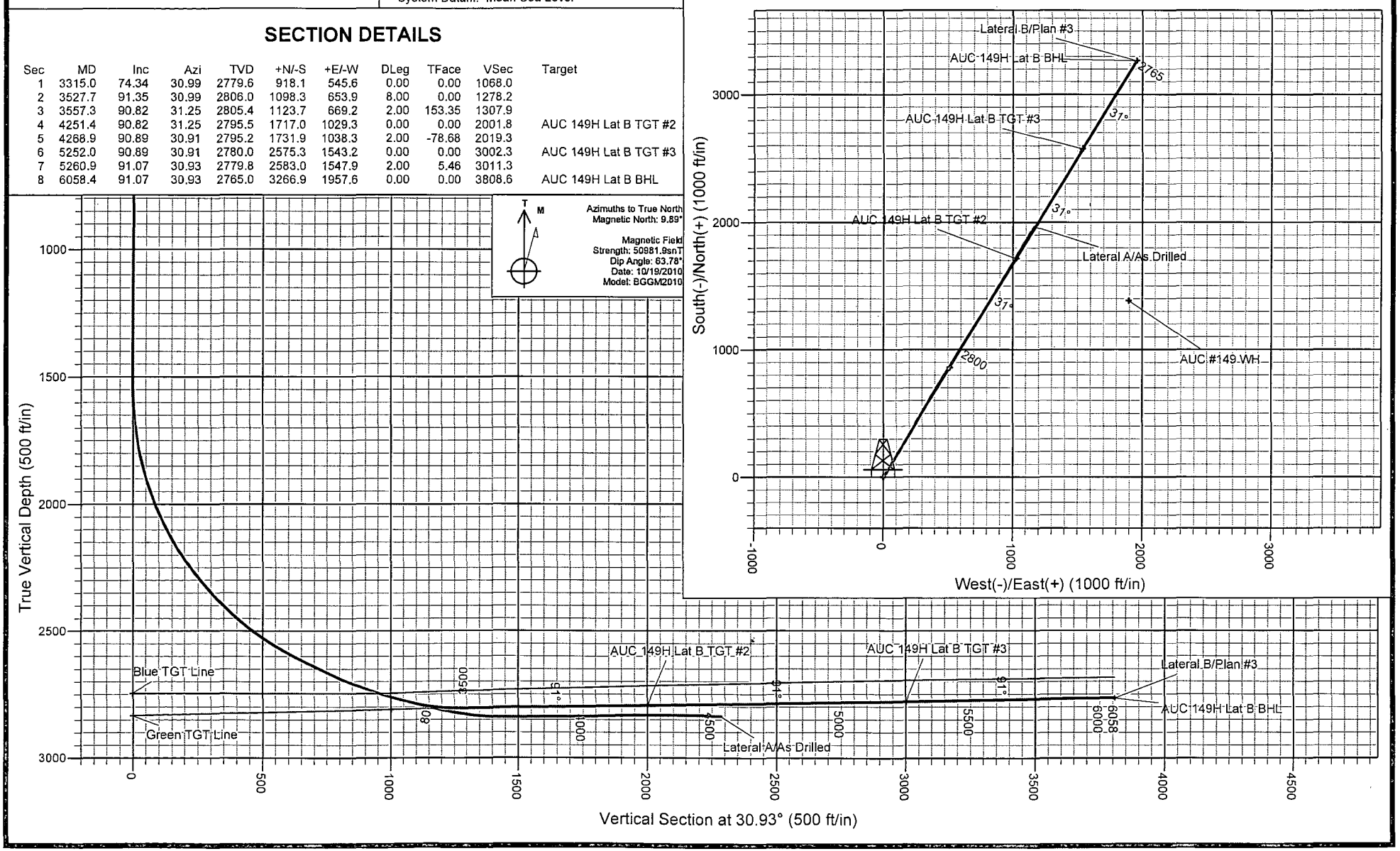
WELL DETAILS: Allison Unit COM 149H

Ground Level: 6262.0

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
0.0	0.0	2183131.65	595013.68	36° 59' 57.030 N	107° 30' 28.674 W

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	3315.0	74.34	30.99	2779.6	918.1	545.6	0.00	0.00	1068.0	
2	3527.7	91.35	30.99	2806.0	1098.3	653.9	8.00	0.00	1278.2	
3	3557.3	90.82	31.25	2805.4	1123.7	669.2	2.00	153.35	1307.9	
4	4251.4	90.82	31.25	2795.5	1717.0	1029.3	0.00	0.00	2001.8	AUC 149H Lat B TGT #2
5	4268.9	90.89	30.91	2795.2	1731.9	1038.3	2.00	-78.68	2019.3	
6	5252.0	90.89	30.91	2780.0	2575.3	1543.2	0.00	0.00	3002.3	AUC 149H Lat B TGT #3
7	5260.9	91.07	30.93	2779.8	2583.0	1547.9	2.00	5.46	3011.3	
8	6058.4	91.07	30.93	2765.0	3266.9	1957.6	0.00	0.00	3808.6	AUC 149H Lat B BHL



Database:	EDM 2003.21 Single User Db	**Local Co-ordinate Reference:**	Well Allison Unit COM 149H
Company:	ConocoPhillips	**TVD Reference:**	DFE @ 6277.0ft (AWS 730)
Project:	SJB (NM West)	**MD Reference:**	DFE @ 6277.0ft (AWS 730)
Site:	SEC 07-T32N-R6W	**North Reference:**	True
Well:	Allison Unit COM 149H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Lateral B		
Design:	Plan #3		

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 07-T32N-R6W				
Site Position:		**Northing:**	2,179,789.17 ft	**Latitude:**	36° 59' 23.952 N
From:	Lat/Long	**Easting:**	595,785.91 ft	**Longitude:**	107° 30' 19.296 W
Position Uncertainty:	0.0 ft	**Slot Radius:**	6-1/8"	**Grid Convergence:**	0.20 °

Well	Allison Unit COM 149H, HZ CMB Well / Dual Lateral					
Well Position	**+N/-S**	3,345.4 ft	**Northing:**	2,183,131.65 ft	**Latitude:**	36° 59' 57.030 N
	+E/-W	-760.9 ft	**Easting:**	595,013.68 ft	**Longitude:**	107° 30' 28.674 W
Position Uncertainty		3.5 ft	**Wellhead Elevation:**	ft	**Ground Level:**	6,262.0 ft

Wellbore Lateral B

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	BGGM2010	10/19/2010	9.89	63.79	50,982

Design Plan #3

Audit Notes:

Version:		**Phase:**	PLAN	**Tie On Depth:**	3,315.0

Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)
	0.0	0.0	0.0	30.93

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
3,315.0	74.34	30.99	2,779.6	918.1	545.6	0.00	0.00	0.00	0.00	
3,527.7	91.35	30.99	2,806.0	1,098.3	653.9	8.00	8.00	0.00	0.00	
3,557.3	90.82	31.25	2,805.4	1,123.7	669.2	2.00	-1.79	0.90	153.35	
4,251.4	90.82	31.25	2,795.5	1,717.0	1,029.3	0.00	0.00	0.00	0.00	AUC 149H Lat B TC
4,268.9	90.89	30.91	2,795.2	1,731.9	1,038.3	2.00	0.39	-1.96	-78.68	
5,252.0	90.89	30.91	2,780.0	2,575.3	1,543.2	0.00	0.00	0.00	0.00	AUC 149H Lat B TC
5,260.9	91.07	30.93	2,779.8	2,583.0	1,547.9	2.00	1.99	0.19	5.46	
6,058.4	91.07	30.93	2,765.0	3,266.9	1,957.6	0.00	0.00	0.00	0.00	AUC 149H Lat B BH

Database:	EDM 2003.21 Single User Db	**Local Co-ordinate Reference:**	Well Allison Unit COM 149H
Company:	ConocoPhillips	**TVD Reference:**	DFE @ 6277.0ft (AWS 730)
Project:	SJB (NM West)	**MD Reference:**	DFE @ 6277.0ft (AWS 730)
Site:	SEC 07-T32N-R6W	**North Reference:**	True
Well:	Allison Unit COM 149H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Lateral B		
Design:	Plan #3		

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
9.5	0.01	109.41	9.5	0.0	0.0	0.0	0.13	0.13	0.00
AUC #149 WH									
634.0	0.82	109.41	634.0	-1.5	4.3	0.9	0.13	0.13	0.00
726.0	0.91	98.36	726.0	-1.8	5.6	1.3	0.21	0.10	-12.01
819.0	0.84	96.77	819.0	-2.0	7.0	1.9	0.08	-0.08	-1.71
915.0	0.48	241.10	915.0	-2.3	7.4	1.8	1.31	-0.38	150.34
1,010.0	0.51	241.66	1,010.0	-2.7	6.7	1.1	0.03	0.03	0.59
1,104.0	0.41	253.20	1,103.9	-3.0	6.0	0.5	0.14	-0.11	12.28
1,199.0	0.24	251.14	1,198.9	-3.1	5.5	0.1	0.18	-0.18	-2.17
1,294.0	0.15	276.16	1,293.9	-3.2	5.1	-0.1	0.13	-0.09	26.34
1,388.0	0.10	279.57	1,387.9	-3.2	4.9	-0.2	0.05	-0.05	3.63
1,483.0	0.07	161.38	1,482.9	-3.2	4.9	-0.3	0.15	-0.03	-124.41
1,515.0	0.14	75.68	1,514.9	-3.2	4.9	-0.2	0.47	0.22	-267.81
1,547.0	0.81	37.28	1,546.9	-3.0	5.1	0.0	2.21	2.09	-120.00
1,578.0	1.95	32.49	1,577.9	-2.4	5.5	0.8	3.69	3.68	-15.45
1,610.0	3.31	33.05	1,609.9	-1.2	6.3	2.2	4.25	4.25	1.75
1,641.0	4.47	33.33	1,640.8	0.6	7.5	4.3	3.74	3.74	0.90
1,673.0	5.65	30.59	1,672.7	3.0	8.9	7.2	3.76	3.69	-8.56
1,705.0	6.98	27.44	1,704.5	6.1	10.6	10.7	4.29	4.16	-9.84
1,737.0	8.43	26.17	1,736.2	9.9	12.6	14.9	4.56	4.53	-3.97
1,768.0	9.77	26.60	1,766.8	14.3	14.8	19.8	4.33	4.32	1.39
1,800.0	11.32	27.45	1,798.3	19.5	17.4	25.7	4.87	4.84	2.66
1,831.0	12.90	31.58	1,828.6	25.1	20.6	32.2	5.81	5.10	13.32
1,863.0	14.77	32.24	1,859.7	31.6	24.7	39.8	5.86	5.84	2.06
1,895.0	16.32	31.83	1,890.5	38.9	29.2	48.4	4.86	4.84	-1.28
1,926.0	18.13	28.90	1,920.1	46.8	33.9	57.6	6.47	5.84	-9.45
1,958.0	19.57	29.02	1,950.4	55.9	38.9	67.9	4.50	4.50	0.38
1,990.0	20.89	29.10	1,980.4	65.6	44.2	79.0	4.13	4.13	0.25
2,022.0	22.33	29.17	2,010.2	75.8	50.0	90.7	4.50	4.50	0.22
2,053.0	23.85	28.35	2,038.7	86.5	55.8	102.9	5.01	4.90	-2.65
2,085.0	25.32	28.56	2,067.8	98.2	62.2	116.2	4.60	4.59	0.66
2,116.0	26.41	30.32	2,095.7	110.0	68.8	129.7	4.30	3.52	5.68
2,148.0	28.02	30.85	2,124.1	122.6	76.3	144.3	5.09	5.03	1.66
2,179.0	29.87	30.52	2,151.3	135.5	83.9	159.3	5.99	5.97	-1.06
2,210.0	31.12	31.25	2,178.0	149.0	92.0	175.1	4.21	4.03	2.35
2,242.0	32.45	31.16	2,205.2	163.4	100.7	191.9	4.16	4.16	-0.28
2,274.0	34.02	30.76	2,231.9	178.4	109.7	209.5	4.95	4.91	-1.25
2,306.0	35.53	31.40	2,258.2	194.1	119.2	227.7	4.85	4.72	2.00
2,338.0	37.26	30.66	2,284.0	210.3	129.0	246.7	5.58	5.41	-2.31
2,369.0	38.78	31.27	2,308.4	226.7	138.8	265.8	5.05	4.90	1.97
2,401.0	40.29	31.01	2,333.1	244.1	149.3	286.2	4.75	4.72	-0.81
2,432.0	42.08	30.70	2,356.4	261.7	159.8	306.6	5.81	5.77	-1.00
2,464.0	43.59	30.95	2,379.9	280.3	170.9	328.3	4.75	4.72	0.78
2,495.0	45.03	31.23	2,402.0	298.9	182.1	350.0	4.69	4.65	0.90
Blue TGT Line									
2,527.0	46.69	30.62	2,424.3	318.6	193.9	373.0	5.36	5.19	-1.91
2,527.9	46.74	30.62	2,424.9	319.1	194.2	373.6	5.88	5.87	-0.53
Green TGT Line									
2,558.0	48.51	30.46	2,445.2	338.3	205.5	395.8	5.88	5.87	-0.52
2,590.0	49.98	29.97	2,466.1	359.3	217.7	420.1	4.74	4.59	-1.53
2,622.0	51.91	29.39	2,486.3	380.8	230.0	444.9	6.19	6.03	-1.81
2,653.0	53.53	29.48	2,505.1	402.3	242.2	469.6	5.23	5.23	0.29

Database:	EDM 2003.21 Single User Db	**Local Co-ordinate Reference:**	Well Allison Unit COM 149H
Company:	ConocoPhillips	**TVD Reference:**	DFE @ 6277.0ft (AWS 730)
Project:	SJB (NM West)	**MD Reference:**	DFE @ 6277.0ft (AWS 730)
Site:	SEC 07-T32N-R6W	**North Reference:**	True
Well:	Allison Unit COM 149H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Lateral B		
Design:	Plan #3		

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)
2,685.0	55.05	29.50	2,523.7	424.9	255.0	495.6	4.75	4.75	0.06
2,716.0	56.44	29.68	2,541.2	447.2	267.6	521.2	4.51	4.48	0.58
2,748.0	57.58	30.64	2,558.6	470.4	281.1	548.0	4.36	3.56	3.00
2,780.0	59.29	30.29	2,575.4	493.9	294.9	575.3	5.42	5.34	-1.09
2,811.0	60.75	30.39	2,590.9	517.1	308.5	602.1	4.72	4.71	0.32
2,843.0	62.51	30.00	2,606.1	541.4	322.6	630.3	5.60	5.50	-1.22
2,874.0	63.78	29.85	2,620.1	565.4	336.4	657.9	4.12	4.10	-0.48
2,906.0	64.66	30.50	2,634.0	590.3	350.9	686.7	3.30	2.75	2.03
2,937.0	64.75	29.76	2,647.2	614.6	365.0	714.8	2.18	0.29	-2.39
2,969.0	64.79	29.83	2,660.9	639.7	379.4	743.7	0.23	0.13	0.22
3,000.0	64.51	30.28	2,674.1	663.9	393.4	771.7	1.59	-0.90	1.45
3,031.0	65.21	29.74	2,687.3	688.2	407.4	799.8	2.75	2.26	-1.74
3,063.0	66.98	29.97	2,700.3	713.6	422.0	829.0	5.57	5.53	0.72
3,095.0	67.99	31.39	2,712.5	739.0	437.1	858.6	5.17	3.16	4.44
3,127.0	69.85	30.95	2,724.0	764.6	452.5	888.4	5.95	5.81	-1.38
3,158.0	70.84	30.73	2,734.5	789.6	467.5	917.6	3.26	3.19	-0.71
3,190.0	72.12	31.25	2,744.6	815.6	483.1	948.0	4.29	4.00	1.63
3,221.0	72.78	32.08	2,754.0	840.8	498.6	977.5	3.32	2.13	2.68
3,253.0	74.18	31.18	2,763.1	866.9	514.7	1,008.2	5.14	4.38	-2.81
3,260.0	74.33	31.19	2,765.0	872.7	518.2	1,014.9	2.13	2.13	0.10
AUC 149H Lat B TGT #1									
3,284.0	74.84	31.21	2,771.4	892.5	530.2	1,038.1	2.13	2.13	0.10
3,315.0	74.34	30.99	2,779.6	918.1	545.6	1,068.0	1.77	-1.63	-0.72
3,350.0	77.14	30.99	2,788.2	947.1	563.1	1,101.9	8.00	8.00	0.00
3,400.0	81.14	30.99	2,797.6	989.2	588.4	1,151.0	8.00	8.00	0.00
3,450.0	85.14	30.99	2,803.6	1,031.8	613.9	1,200.6	8.00	8.00	0.00
3,500.0	89.14	30.99	2,806.1	1,074.6	639.6	1,250.5	8.00	8.00	0.00
3,527.7	91.35	30.99	2,806.0	1,098.3	653.9	1,278.2	8.00	8.00	0.00
3,557.3	90.82	31.25	2,805.4	1,123.7	669.2	1,307.9	2.00	-1.79	0.90
3,600.0	90.82	31.25	2,804.8	1,160.2	691.3	1,350.5	0.00	0.00	0.00
3,700.0	90.82	31.25	2,803.4	1,245.6	743.2	1,450.5	0.00	0.00	0.00
3,800.0	90.82	31.25	2,802.0	1,331.1	795.1	1,550.5	0.00	0.00	0.00
3,900.0	90.82	31.25	2,800.5	1,416.6	847.0	1,650.5	0.00	0.00	0.00
4,000.0	90.82	31.25	2,799.1	1,502.1	898.9	1,750.5	0.00	0.00	0.00
4,100.0	90.82	31.25	2,797.7	1,587.6	950.7	1,850.5	0.00	0.00	0.00
4,200.0	90.82	31.25	2,796.2	1,673.0	1,002.6	1,950.5	0.00	0.00	0.00
4,251.4	90.82	31.25	2,795.5	1,717.0	1,029.3	2,001.8	0.00	0.00	0.00
AUC 149H Lat B TGT #2									
4,268.9	90.89	30.91	2,795.2	1,731.9	1,038.3	2,019.3	2.00	0.39	-1.96
4,300.0	90.89	30.91	2,794.8	1,758.6	1,054.3	2,050.4	0.00	0.00	0.00
4,400.0	90.89	30.91	2,793.2	1,844.4	1,105.6	2,150.4	0.00	0.00	0.00
4,500.0	90.89	30.91	2,791.7	1,930.2	1,157.0	2,250.4	0.00	0.00	0.00
4,600.0	90.89	30.91	2,790.1	2,016.0	1,208.4	2,350.4	0.00	0.00	0.00
4,700.0	90.89	30.91	2,788.6	2,101.8	1,259.7	2,450.4	0.00	0.00	0.00
4,800.0	90.89	30.91	2,787.0	2,187.6	1,311.1	2,550.4	0.00	0.00	0.00
4,900.0	90.89	30.91	2,785.5	2,273.4	1,362.5	2,650.4	0.00	0.00	0.00
5,000.0	90.89	30.91	2,783.9	2,359.1	1,413.8	2,750.4	0.00	0.00	0.00
5,100.0	90.89	30.91	2,782.4	2,444.9	1,465.2	2,850.3	0.00	0.00	0.00
5,200.0	90.89	30.91	2,780.8	2,530.7	1,516.6	2,950.3	0.00	0.00	0.00
5,252.0	90.89	30.91	2,780.0	2,575.3	1,543.2	3,002.3	0.00	0.00	0.00
AUC 149H Lat B TGT #3									
5,260.9	91.07	30.93	2,779.8	2,583.0	1,547.9	3,011.3	2.00	1.99	0.19
5,300.0	91.07	30.93	2,779.1	2,616.5	1,567.9	3,050.3	0.00	0.00	0.00

Database:	EDM 2003.21 Single User Db	**Local Co-ordinate Reference:**	Well Allison Unit COM 149H
Company:	ConocoPhillips	**TVD Reference:**	DFE @ 6277.0ft (AWS 730)
Project:	SJB (NM West)	**MD Reference:**	DFE @ 6277.0ft (AWS 730)
Site:	SEC 07-T32N-R6W	**North Reference:**	True
Well:	Allison Unit COM 149H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Lateral B		
Design:	Plan #3		

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)
5,400.0	91.07	30.93	2,777.3	2,702.3	1,619.3	3,150.3	0.00	0.00	0.00
5,500.0	91.07	30.93	2,775.4	2,788.0	1,670.7	3,250.3	0.00	0.00	0.00
5,600.0	91.07	30.93	2,773.5	2,873.8	1,722.1	3,350.3	0.00	0.00	0.00
5,700.0	91.07	30.93	2,771.7	2,959.6	1,773.5	3,450.2	0.00	0.00	0.00
5,751.9	91.07	30.93	2,770.7	3,004.0	1,800.1	3,502.1	0.00	0.00	0.00
AUC #63 WH									
5,800.0	91.07	30.93	2,769.8	3,045.3	1,824.9	3,550.2	0.00	0.00	0.00
5,900.0	91.07	30.93	2,767.9	3,131.1	1,876.3	3,650.2	0.00	0.00	0.00
6,000.0	91.07	30.93	2,766.1	3,216.9	1,927.6	3,750.2	0.00	0.00	0.00
6,058.4	91.07	30.93	2,765.0	3,266.9	1,957.6	3,808.6	0.00	0.00	0.00
AUC 149H Lat B BHL									

Database:	EDM 2003.21 Single User Db	**Local Co-ordinate Reference:**	Well Allison Unit COM 149H
Company:	ConocoPhillips	**TVD Reference:**	DFE @ 6277.0ft (AWS 730)
Project:	SJB (NM West)	**MD Reference:**	DFE @ 6277.0ft (AWS 730)
Site:	SEC 07-T32N-R6W	**North Reference:**	True
Well:	Allison Unit COM 149H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Lateral B		
Design:	Plan #3		

Design Targets

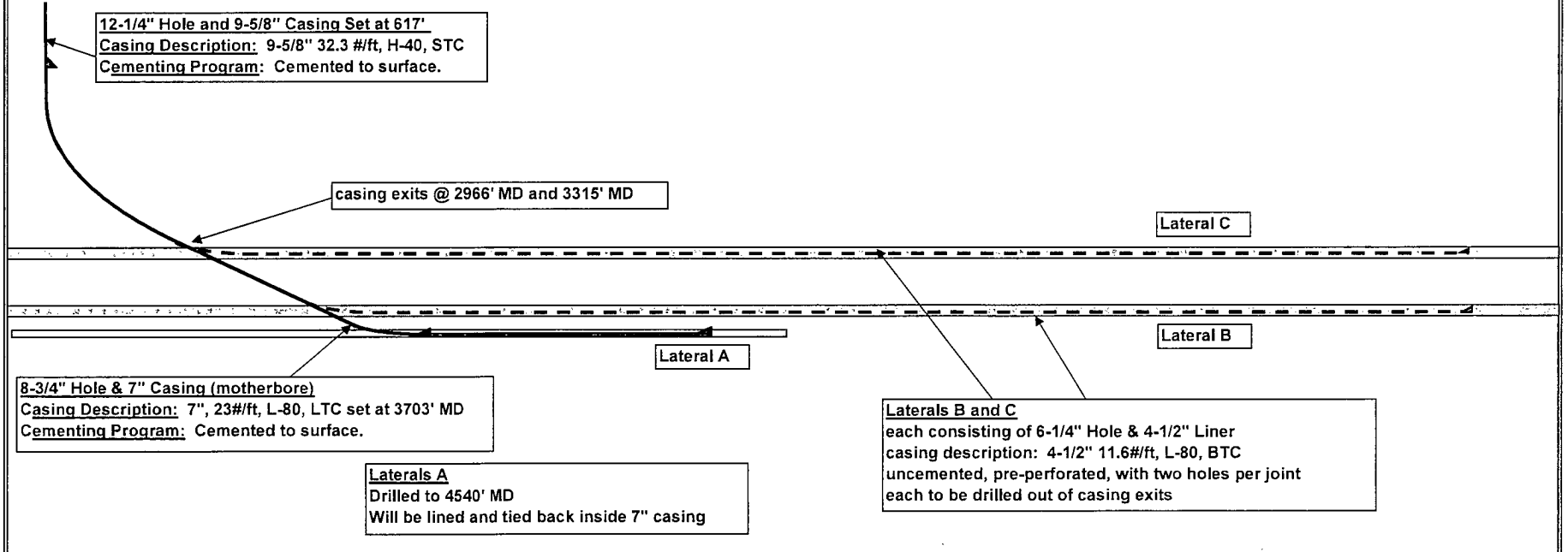
Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
AUC #63 WH	0.00	0.00	0.0	1,542.3	4,139.5	2,184,687.93	599,147.56	37° 0' 12.276 N	107° 29' 37.644 W
- plan misses target center by 3909.8ft at 5751.9ft MD (2770.7 TVD, 3004.0 N, 1800.1 E)									
- Point									
AUC #149 WH	0.00	0.00	0.0	1,386.6	1,897.6	2,184,524.59	596,906.41	37° 0' 10.739 N	107° 30' 5.281 W
- plan misses target center by 2350.2ft at 0.1ft MD (0.1 TVD, 0.0 N, 0.0 E)									
- Circle (radius 5.0)									
Blue TGT Line	0.00	0.00	2,746.0	0.0	0.0	2,183,131.68	595,013.68	36° 59' 57.030 N	107° 30' 28.674 W
- plan misses target center by 490.7ft at 2495.0ft MD (2402.0 TVD, 298.9 N, 182.1 E)									
- Polygon									
Point 1			2,746.0	1.3	1.3	2,183,132.98	595,014.98		
Point 2			2,746.0	859.6	515.3	2,183,992.97	595,526.00		
Point 3			2,746.0	1,716.9	1,029.3	2,184,851.95	596,037.03		
Point 4			2,746.0	2,575.3	1,543.2	2,185,712.04	596,547.95		
Point 5			2,746.0	3,266.9	1,957.6	2,186,405.00	596,959.96		
Point 6			2,746.0	2,575.3	1,543.2	2,185,712.04	596,547.95		
Point 7			2,746.0	1,716.9	1,029.3	2,184,851.95	596,037.03		
Point 8			2,746.0	859.6	515.3	2,183,992.97	595,526.00		
Point 9			2,746.0	1.3	1.3	2,183,132.98	595,014.98		
AUC 149H Lat B BHL	0.00	0.00	2,765.0	3,266.9	1,957.6	2,186,405.00	596,960.00	37° 0' 29.331 N	107° 30' 4.539 W
- plan hits target center									
- Point									
AUC 149H Lat B TGT	0.00	0.00	2,780.0	2,575.3	1,543.2	2,185,712.00	596,548.00	37° 0' 22.493 N	107° 30' 9.649 W
- plan hits target center									
- Point									
AUC 149H Lat B TGT	0.00	0.00	2,795.5	1,717.0	1,029.3	2,184,852.00	596,037.00	37° 0' 14.006 N	107° 30' 15.985 W
- plan hits target center									
- Point									
AUC 149H Lat B TGT	0.00	0.00	2,810.5	859.7	515.3	2,183,993.00	595,526.00	37° 0' 5.530 N	107° 30' 22.322 W
- plan misses target center by 47.4ft at 3260.0ft MD (2765.0 TVD, 872.7 N, 518.2 E)									
- Point									
Green TGT Line	0.00	0.00	2,834.0	0.0	0.0	2,183,131.68	595,013.68	36° 59' 57.030 N	107° 30' 28.674 W
- plan misses target center by 554.0ft at 2527.9ft MD (2424.9 TVD, 319.1 N, 194.2 E)									
- Polygon									
Point 1			2,834.0	1.3	1.3	2,183,132.98	595,014.98		
Point 2			2,834.0	859.6	515.3	2,183,992.97	595,526.00		
Point 3			2,834.0	1,716.9	1,029.3	2,184,851.95	596,037.03		
Point 4			2,834.0	2,575.3	1,543.2	2,185,712.04	596,547.95		
Point 5			2,834.0	3,266.9	1,957.6	2,186,405.00	596,959.96		
Point 6			2,834.0	2,575.3	1,543.2	2,185,712.04	596,547.95		
Point 7			2,834.0	1,716.9	1,029.3	2,184,851.95	596,037.03		
Point 8			2,834.0	859.6	515.3	2,183,992.97	595,526.00		
Point 9			2,834.0	1.3	1.3	2,183,132.98	595,014.98		

Allison Unit Com 149H
Directional Plan Lateral B (Plan No. 3) accompanies this document
The first lateral drilled (lower most lateral) is named lateral A
The second lateral drilled (middle lateral) is named lateral B, originally planned to drill as lateral A
The third lateral drilled (upper lateral) is named lateral C, originally planned to drill as lateral B, original plans for lateral B still good for lateral C

GL 6262'
KB 6277' (Aztec 730)

	Legals	MD ft	TVD ft	
Surface Location: (New Mexico)	T32N, R06W, Section 7, 330' FNL, 165' FWL	NA	NA	
Intermediate Casing Shoe, 7" (CO)	T32N, R06W, Section 21, 915' FSL, 2558' FWL	3703'	2840'	7" casing depth, landed horizontally
Lateral A (lower lateral), beginning of prod. interval (CO)	T32N, R06W, Section 21, 915' FSL, 2558' FWL	3703'	2840'	slotted liner in lateral drilled out 7" casing shoe
Lateral A (lower lateral), end of prod. interval (CO)	T32N, R06W, Section 21, 2001' FNL, 2289' FEL	4540'	2838'	lateral total depth & 4-1/2" casing depth
Lateral B (middle lateral), beginning of prod. Interval (CO)	T32N, R06W, Section 21, 768' FSL, 2469' FWL	3528'	2806'	slotted liner landed @ 90° in upper coal target
Lateral B (middle lateral), end of prod. interval (CO)	T32N, R06W, Section 21, 700' FNL, 1500' FEL	6058'	2765'	lateral total depth & 4-1/2" casing depth
Lateral C (upper lateral), beginning of prod. Interval (CO)	T32N, R06W, Section 21, 558' FSL, 2347' FWL	3281'	2726'	slotted liner landed @ 90° in upper coal target
Lateral C (upper lateral), end of prod. interval (CO)	T32N, R06W, Section 21, 700' FNL, 1500' FEL	6054'	2676'	lateral total depth & 4-1/2" casing depth

Surface, Intermediate, and Lateral A depths and footages are updated actuals, Lateral B and C depths and footages are planned.



BOP program and drilling mud program will be per basin-wide standards for top-set coal wells.