

39-29409

ConocoPhillips

ConocoPhillips
Field: Rio Arriba County, NM
Site: San Juan 31-6 No. 216A
Well: Well #216A
Wellpath: Original Hole
Plan: Plan #1
Plan VS Actual



Azimuths to Grid North
 True North: 0.00°
 Magnetic North: 0.00°
 Magnetic Field
 Strength: 0nT
 Dip Angle: 0.00°
 Date: 3/28/2006
 Model: igr2005

FIELD DETAILS

Rio Arriba County, NM
 USA

Geodetic System: US State Plane Coordinate System 1927
 Ellipsoid: NAD27 (Clarke 1866)
 Zone: New Mexico, Western Zone
 Magnetic Model: igr2005

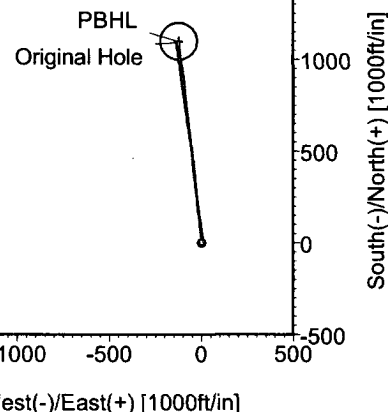
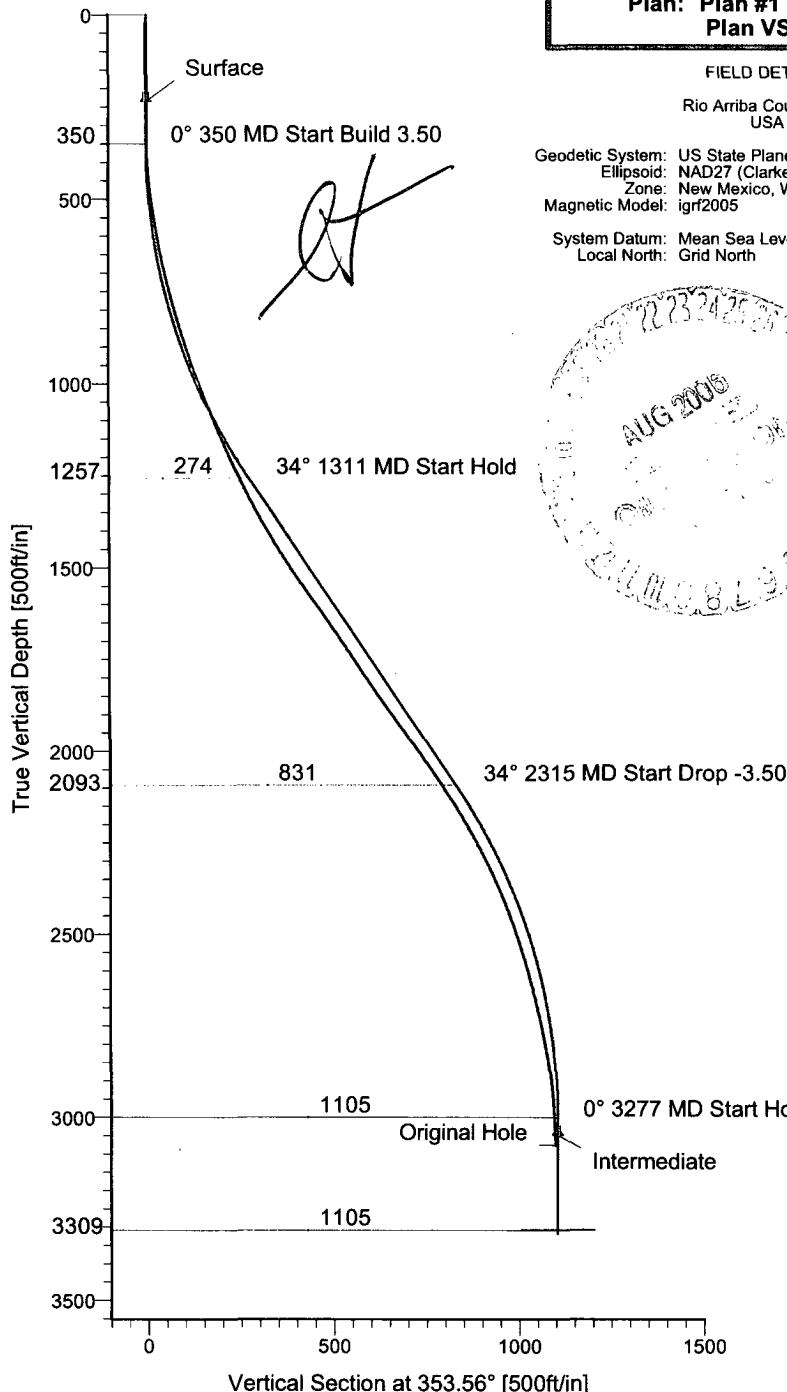
System Datum: Mean Sea Level
 Local North: Grid North

SITE DETAILS

San Juan 31-6 No. 216A
 Section 2, T30N, R6W
 Rio Arriba County, New Mexico

Water Depth: 0.00
 Positional Uncertainty: 0.00
 Convergence: 0.00

*Surf. 98°N 1086°E Sec 2, 30N 6W
 BH1 993/5 1220°E Sec 85 31N 6W*



WELLPATH DETAILS

Original Hole			
Rig:	SITE	0.00ft	
Ref. Datum:			
V. Section Angle	Origin +N/-S	Origin +E/-W	Starting From TVD
353.56°	0.00	0.00	0.00

CASING DETAILS

No.	TVD	MD	Name	Size
1	235.00	235.00	Surface	9.625
2	3049.00	3325.90	Intermediate	7.000

TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Shape
PBHL	3309.00	1098.00	-124.00	Circle (Radius: 100)

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.00	0.00	353.56	0.00	0.00	0.00	0.00	0.00	0.00	
2	350.00	0.00	353.56	350.00	0.00	0.00	0.00	0.00	0.00	
3	1311.46	33.65	353.56	1257.13	272.59	-30.78	3.50	353.56	274.32	
4	2315.44	33.65	353.56	2092.87	825.41	-93.22	0.00	0.00	830.66	
5	3276.90	0.00	353.56	3000.00	1098.00	-124.00	3.50	180.00	1104.98	
6	3585.90	0.00	353.56	3309.00	1098.00	-124.00	0.00	0.00	1104.98	PBHL

Ryan Energy Technologies

COMPLETION REPORT



Company: ConocoPhillips		Date: 7/11/2006	Time: 08:10:32	Page: 1
Field: Rio Arriba County, NM		Co-ordinate(NE) Reference:	Site: San Juan 31-6 No. 216A, Grid North	
Site: San Juan 31-6 No. 216A		Vertical (TVD) Reference:	SITE 0.0	
Well: Well #216A		Section (VS) Reference:	Well (0.00N;0.00E;353.56Azi)	
Wellpath: Original Hole		Survey Calculation Method:	Minimum Curvature	Db: Sybase

Field: Rio Arriba County, NM	
USA	
Map System: US State Plane Coordinate System 1927	Map Zone: New Mexico, Western Zone
Geo Datum: NAD27 (Clarke 1866)	Coordinate System: Site Centre
Sys Datum: Mean Sea Level	Geomagnetic Model: igrf2005

Site: San Juan 31-6 No. 216A Section 2, T30N, R6W Rio Arriba County, New Mexico	
Site Position:	Northing:
From: Local Only	Easting:
Position Uncertainty: 0.00 ft	Latitude:
Ground Level: 0.00 ft	Longitude:
	North Reference: Grid
	Grid Convergence: deg

Well: Well #216A		Slot Name:	
Well Position: +N/-S 0.00 ft	Northing: ft	Latitude:	
+E/-W 0.00 ft	Easting: ft	Longitude:	
Position Uncertainty: 0.00 ft			

Wellpath: Original Hole		Drilled From: Surface	
Current Datum: SITE	Height 0.00 ft	Tie-on Depth:	0.00 ft
Magnetic Data: 3/28/2006		Above System Datum:	Mean Sea Level
Field Strength: 0 nT		Declination:	0.00 deg
Vertical Section: Depth From (TVD)	+N/-S	Mag Dip Angle:	0.00 deg
ft	ft	+E/-W	Direction
		ft	deg
0.00	0.00	0.00	353.56

Survey Program for Definitive Wellpath			
Date: 7/7/2006	Validated: No	Version: 0	
Actual From To	Survey	Toolcode	Tool Name
ft ft			
263.00 3277.00	Survey #1 (263.00-3277.00)		
3340.00 3340.00	Projection (3340.00-3340.00)	Projection	Projection

Survey										
MD	Incl	TVD	VS	Azim	N/S	E/W	Clsr Dist.	Clsr Azi.	Dog Leg	Tool
ft	deg	ft	ft	deg	ft	ft	ft	deg	deg/100ft	
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	TIE LINE
263.00	1.20	262.98	-1.37	113.40	-1.09	2.53	2.75	113.40	0.46	
355.00	2.60	354.94	-0.11	27.30	0.38	4.37	4.39	85.05	3.03	
447.00	5.60	446.70	6.08	359.90	6.72	5.32	8.57	38.35	3.81	
539.00	8.80	537.97	17.58	352.50	18.19	4.39	18.72	13.57	3.61	
630.00	11.30	627.56	33.46	353.60	33.96	2.49	34.05	4.19	2.76	
723.00	13.80	718.34	53.66	351.80	53.99	-0.11	53.99	359.88	2.72	
817.00	16.20	809.13	77.98	352.20	78.08	-3.49	78.16	357.44	2.56	
912.00	18.20	899.87	106.06	351.10	105.87	-7.58	106.14	355.90	2.13	
1007.00	19.90	989.67	137.04	351.50	136.52	-12.27	137.07	354.87	1.79	
1101.00	21.90	1077.48	170.55	351.50	169.69	-17.22	170.56	354.20	2.13	
1196.00	23.60	1165.08	207.27	352.50	206.07	-22.33	207.27	353.82	1.84	
1290.00	25.10	1250.72	246.02	353.60	244.54	-27.00	246.02	353.70	1.67	
1385.00	27.90	1335.73	288.41	354.30	286.69	-31.46	288.41	353.74	2.97	
1480.00	30.80	1418.53	334.95	355.00	333.04	-35.79	334.96	353.87	3.07	
1572.00	33.20	1496.54	383.70	353.90	381.56	-40.52	383.70	353.94	2.68	
1667.00	35.50	1574.97	437.30	353.20	434.82	-46.55	437.30	353.89	2.46	
1762.00	34.60	1652.74	491.85	352.50	488.95	-53.33	491.85	353.77	1.04	
1856.00	33.10	1730.81	544.18	351.10	540.77	-60.79	544.18	353.59	1.80	
1950.00	34.30	1809.01	596.28	351.10	592.30	-68.86	596.29	353.37	1.28	
2044.00	35.00	1886.34	649.69	351.50	645.13	-76.94	649.70	353.20	0.78	
2139.00	35.40	1963.97	704.42	351.80	699.31	-84.89	704.44	353.08	0.46	

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COMPLETION REPORT



Company: ConocoPhillips Field: Rio Arriba County, NM Site: San Juan 31-6 No. 216A Well: Well #216A Wellpath: Original Hole	Date: 7/11/2006 Time: 08:10:32 Page: 2 Co-ordinate(NE) Reference: Site: San Juan 31-6 No. 216A, Grid North Vertical (TVD) Reference: SITE 0:0 Section (VS) Reference: Well (0.00N,0.00E,353.56Azi) Survey Calculation Method: Minimum Curvature Db: Sybase
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Survey

MD ft	Incl deg	TVD ft	VS ft	Azim deg	N/S ft	E/W ft	Clsr Dist. ft	Clsr Azi. deg	Dog Leg deg/100ft	Tool
2234.00	34.40	2041.88	758.75	351.80	753.11	-92.64	758.78	352.99	1.05	
2329.00	32.80	2121.01	811.29	351.80	805.14	-100.14	811.34	352.91	1.68	
2424.00	29.70	2202.21	860.55	352.20	853.94	-107.01	860.61	352.86	3.27	
2519.00	26.60	2285.96	905.35	352.20	898.34	-113.09	905.43	352.82	3.26	
2614.00	23.30	2372.09	945.41	353.90	938.10	-117.97	945.49	352.83	3.55	
2708.00	19.80	2459.50	979.93	355.00	972.46	-121.34	980.00	352.89	3.75	
2803.00	17.10	2549.61	1009.99	354.30	1002.39	-124.13	1010.05	352.94	2.85	
2898.00	14.30	2641.06	1035.69	354.30	1027.97	-126.68	1035.74	352.97	2.95	
2993.00	12.80	2733.41	1057.94	351.10	1050.04	-129.48	1057.99	352.97	1.76	
3088.00	9.80	2826.56	1076.54	351.80	1068.44	-132.26	1076.60	352.94	3.16	
3184.00	5.70	2921.67	1089.45	358.80	1081.30	-133.52	1089.51	352.96	4.37	
3277.00	2.60	3014.41	1096.16	357.80	1088.03	-133.70	1096.21	352.99	3.33	
3340.00	2.60	3077.35	1099.01	357.80	1090.88	-133.81	1099.06	353.01	0.00	Projection