

 This message was sent with high importance.
Attachments can contain viruses that may harm your computer. Attachments may not display correctly.

Stogner, Michael, EMNRD

From: Clugston Patsy L [PClugston@br-inc.com] **Sent:** Wed 9/6/2006 8:07 AM
To: Stogner, Michael, EMNRD
Cc:
Subject: SJ 32-8 #267 Information
Attachments:  SJ 32-8 #267.ppt(345KB)  SJ 32-8 #267 deviated survey.tif(89KB)  SJ 32-8 #267 deviated survey (2).tif
 (137KB)  SJ 32-8 #267 deviated survey (3).tif(99KB)

Hi Michael,

I received your message yesterday and hopefully this is the information you are needing. If you have any questions please call me at 505-326-9518. Thank you.

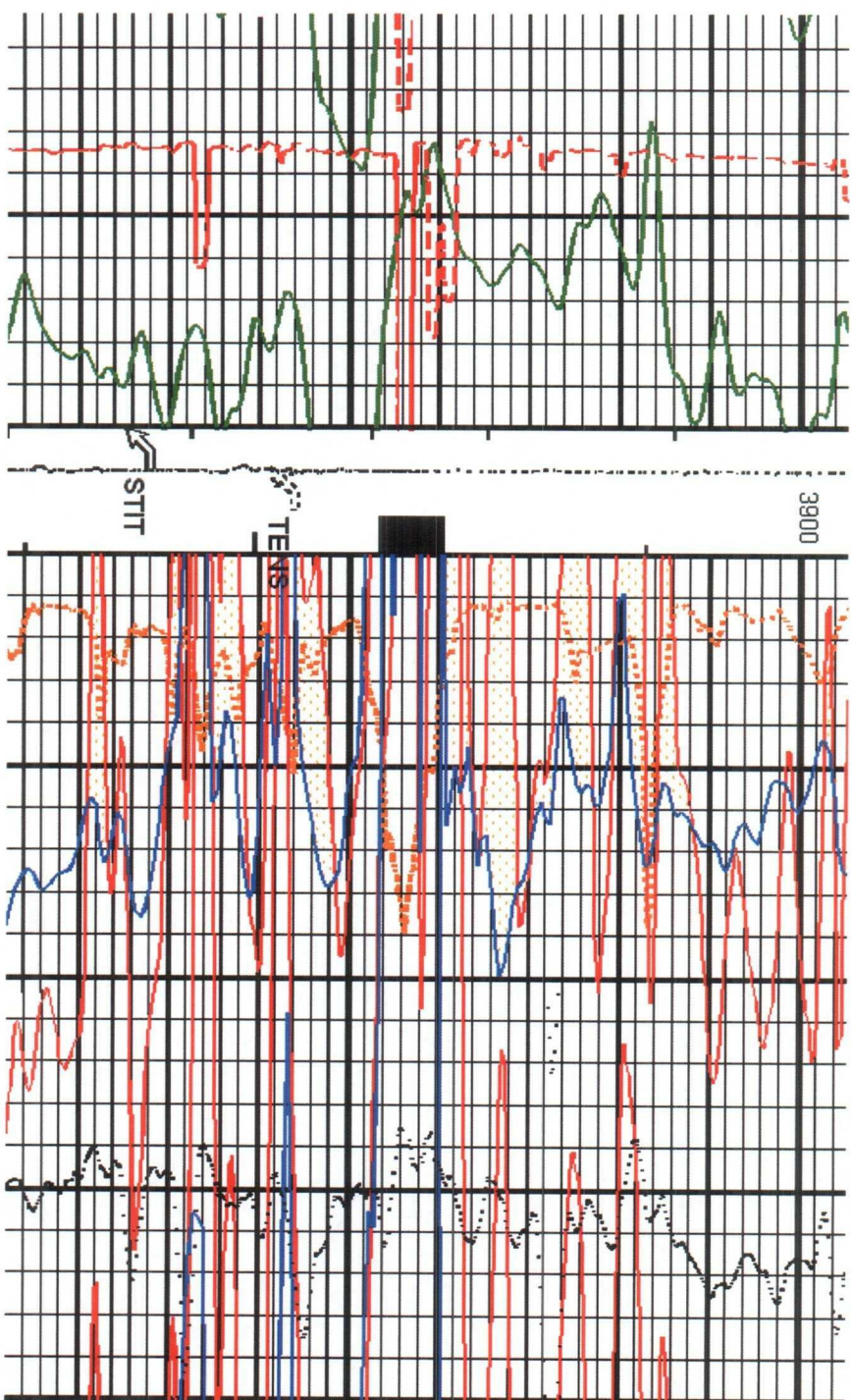
Fruitland Coal Perforations	4202-4217', 4016-4044', 3967-3976', 3957-3963',	and 3940-3947'
Fruitland Sand Perforations	4141-4162'	
Pictured Cliffs Perforations	4236'-4255' and 4262-4274'	

Attached is the log showing the perforation intervals in detail and the 3 pages for the deviated survey.

***Patsy Clugston
 Conocophillips
 Sr. Regulatory Specialist
 505-326-9518***

<<SJ 32-8 #267.ppt>> <<SJ 32-8 #267 deviated survey.tif>> <<SJ 32-8 #267 deviated survey (2).tif>> <<SJ 32-8 #267 deviated survey (3).tif>>

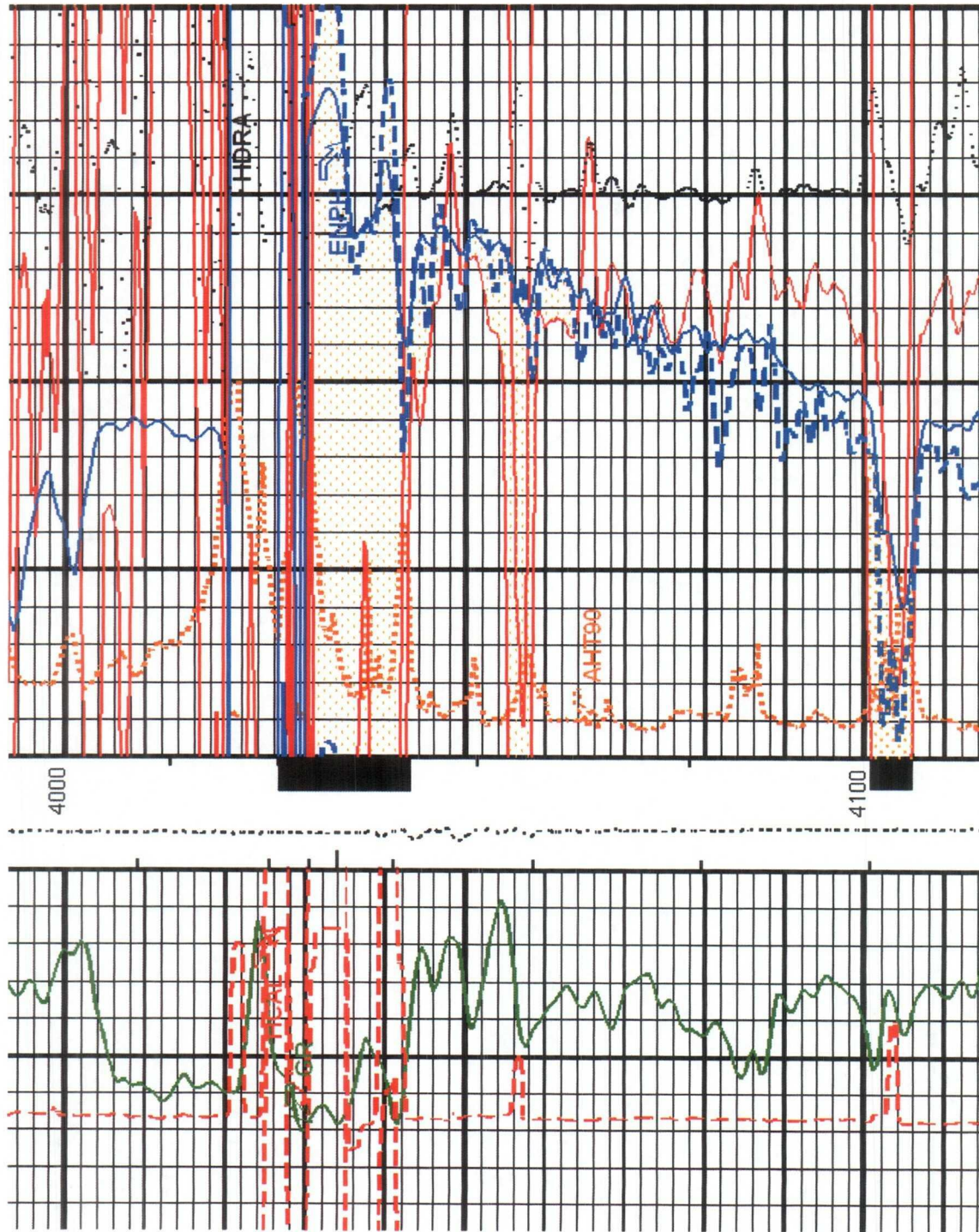
SJ 32-8 #267



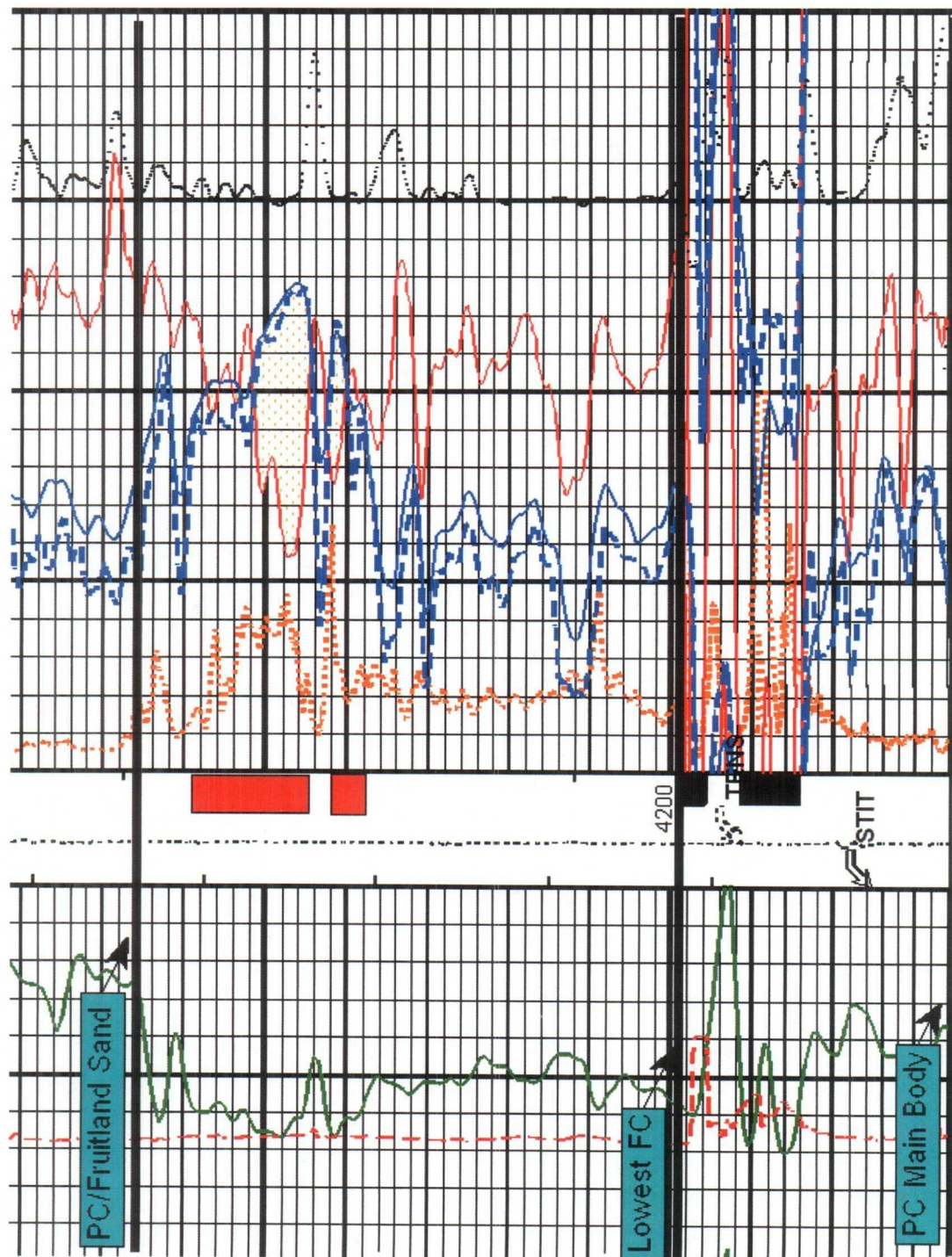
Upper Coal
3940'-3946'

SJ 32-8 #267

Main Body Coal
4026'-4043'
4100'-4106'



SJ 32-8 #267



PC/FS

4141'-4155'

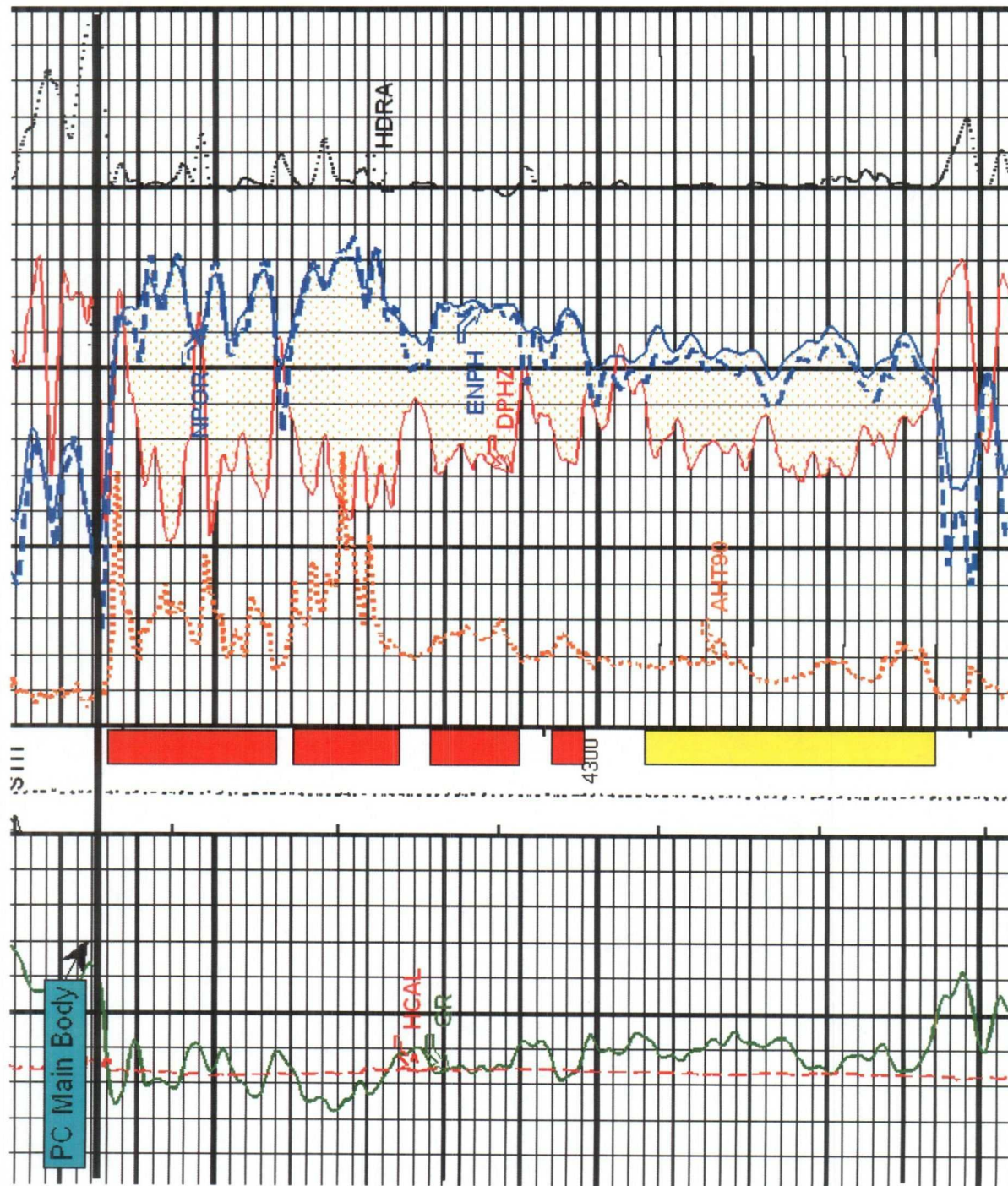
4158'-4162'

Coal

4201'-4204'

4208'-4216'

SJ 32-8 #267



PC Main Body

4236'-4258'

4260'-4274'

4278'-4290'

4294'-4298'

Optional

4306'-4344'



ConocoPhillips
Field: San Juan County, NM
Site: San Juan 32-8 No. 267
Well: Well 32-8 #267
Wellpath: Original Hole
Plan: Plan #1
Plan vs Actual



Azimuths to Grid North
True North: -0.12°
Magnetic North: 10.37°

Magnetic Field
Strength: 51483nT
Dip Angle: 63.82°
Date: 5/2/2006
Model: Igrf2005

SITE DETAILS

San Juan 32-8 No. 267
Sec. 14, T32N, R8W
San Juan County, NM
Site Centre Latitude: 36°58'44.148N
Longitude: 107°38'20.364W
Ground Level: 7115.00
Positional Uncertainty: 0.00
Convergence: 0.12

FIELD DETAILS

San Juan County, NM
New Mexico
USA
Geodetic System: US State Plane Coordinate System 1927
Ellipsoid: NAD27 (Clarke 1866)
Zone: New Mexico, Western Zone
Magnetic Model: Igrf2005
System Datum: Mean Sea Level
Local North: Grid North

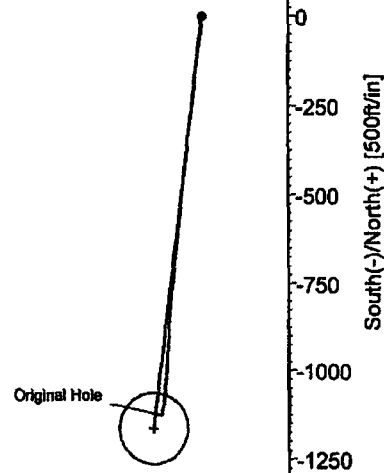
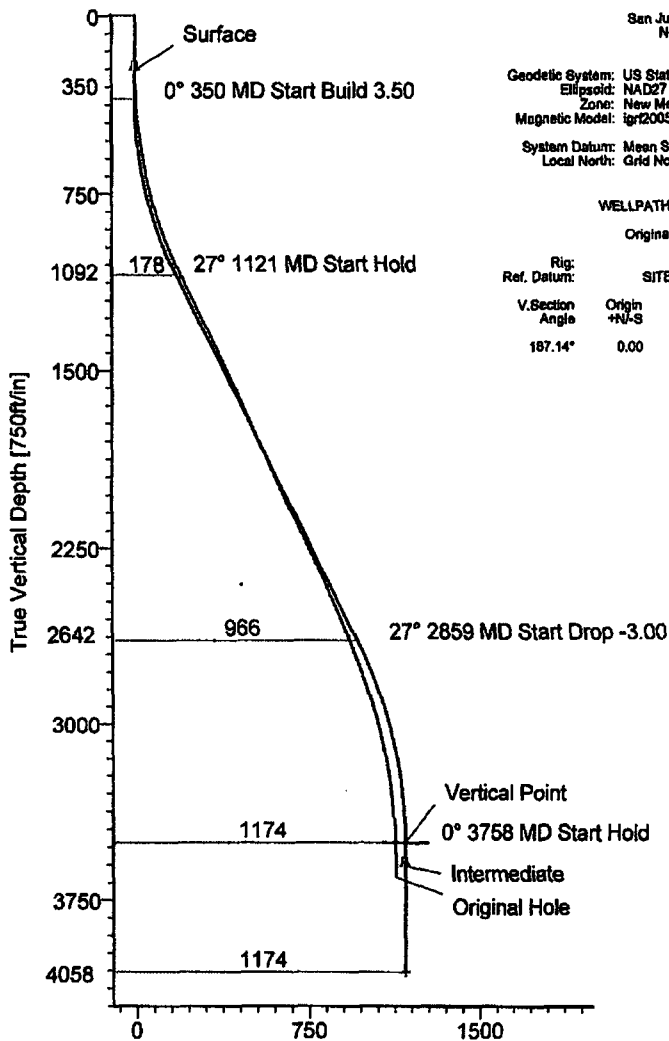
WELLPATH DETAILS

Original Hole

Rig:	Ref. Datum:	SITE	0.00ft
V. Section Angle	Origin +N-S	Origin +E-W	Starting From TVD
187.14°	0.00	0.00	0.00

West(-)/East(+) [500ft/in]

-500 -250 0 250



CASING DETAILS

No.	TVD	MD	Name	Size
1	230.00	230.00	Surface	9.825
2	3608.00	3858.01	Intermediate	7.000

TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting	Shape
Vertical Point	3508.00	-1165.00	-146.00	2174491.84	556620.90	Circle (Radius: 100)
PBHL	4058.00	-1165.00	-146.00	2174491.84	556620.90	Point

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.00	0.00	187.14	0.00	0.00	0.00	0.00	0.00	0.00	
2	350.00	0.00	187.14	350.00	0.00	0.00	0.00	0.00	0.00	
3	1120.51	26.97	187.14	1092.38	-178.83	-22.14	3.50	187.14	178.01	
4	2859.08	26.97	187.14	2641.89	-958.93	-120.18	0.00	0.00	986.44	
5	3758.01	0.00	187.14	3508.00	-1165.00	-146.00	3.00	180.00	1174.11	Vertical Point
6	4308.01	0.00	187.14	4058.00	-1165.00	-146.00	0.00	187.14	1174.11	PBHL



Ryan Energy Technologied

Survey Report



Company: ConocoPhillips Field: San Juan County, NM Site: San Juan 32-8 No. 267 Well: Well 32-8 #267 Wellpath: Original Hole	Date: 8/28/2006 Time: 12:31:17 Page: 1 Co-ordinate(NE) Reference: Site: San Juan 32-8 No. 267 Grid North Vertical (TVD) Reference: SITE: 0.0 Section (VS) Reference: Well (0.00N,0.00E,187.14Az) Survey Calculation Method: Minimum Curvature Db: Sybase
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Field: San Juan County, NM New Mexico USA Map System: US State Plane Coordinate System 1927 Geo Datum: NAD27 (Clarke 1866) Sys Datum: Mean Sea Level	Map Zone: New Mexico, Western Zone Coordinate System: Site Centre Geomagnetic Model: igrf2005
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Site: San Juan 32-8 No. 267 Sec. 14, T32N, R8W San Juan County, NM			
Site Position: From: Geographic Position Uncertainty: 0.00 ft Ground Level: 7115.00 ft	Northing: 2175656.84 ft Easting: 556766.90 ft	Latitude: 36 58 44.148 N Longitude: 107 38 20.364 W North Reference: Grid Grid Convergence: 0.12 deg	

Well: Well 32-8 #267	Slot Name:
Well Position: +N-S 0.00 ft Northing: 2175656.84 ft Latitude: 36 58 44.148 N +E-W 0.00 ft Easting: 556766.90 ft Longitude: 107 38 20.364 W Position Uncertainty: 0.00 ft	

Wellpath: Original Hole Current Datum: SITE Magnetic Data: 5/2/2006 Field Strength: 51463 nT Vertical Section: Depth From (TVD) ft	Height: 0.00 ft +N-S ft +E-W ft	Drilled From: Surface Tie-on Depth: 0.00 ft Above System Datum: Mean Sea Level Declination: 10.49 deg Mag Dip Angle: 63.82 deg +E-W ft Direction deg	0.00 0.00 0.00 187.14
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Survey Program for Definitive Wellpath Date: 5/13/2006 Validated: No Actual From To Survey Version: 0 ft ft Toolcode Tool Name			
262.00	3830.00	Survey #1 (262.00-3830.00)	MWD
3880.00	3880.00	Projection (3880.00-3880.00)	Standard MWD Projection

Survey										
MD	Incl	Azim	TVD	+N-S	+E-W	VS	DLS	Build	Turn	Tool/Comment
ft	deg	deg	ft	ft	ft	ft	deg/100ft	deg/100ft	deg/100ft	
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	TIE LINE
262.00	1.20	250.10	261.98	-0.93	-2.58	1.25	0.46	0.46	0.00	MWD
354.00	3.70	187.60	353.90	-4.21	-3.88	4.65	3.81	2.72	-67.93	MWD
446.00	6.80	181.60	445.50	-12.59	-4.42	13.05	3.42	3.37	-6.52	MWD
538.00	8.60	186.50	536.67	-24.87	-5.35	25.35	2.08	1.96	5.33	MWD
630.00	10.10	190.70	627.45	-39.64	-7.63	40.28	1.79	1.63	4.57	MWD
722.00	13.00	186.50	717.58	-57.85	-10.30	58.68	3.28	3.15	-4.57	MWD
818.00	17.10	185.80	810.26	-82.63	-12.95	83.60	4.27	4.27	-0.73	MWD
910.00	20.40	185.80	897.37	-112.05	-15.94	113.16	3.59	3.59	0.00	MWD
1004.00	23.10	187.20	984.67	-146.65	-19.91	147.98	2.92	2.87	1.49	MWD
1099.00	25.70	187.20	1071.18	-185.58	-24.82	187.22	2.74	2.74	0.00	MWD
1184.00	26.80	186.90	1156.34	-227.35	-29.99	229.32	1.27	1.26	-0.32	MWD
1289.00	26.40	186.50	1241.25	-269.67	-34.96	271.92	0.56	-0.53	-0.42	MWD
1383.00	26.30	186.00	1325.48	-311.14	-39.50	313.64	0.26	-0.11	-0.53	MWD
1478.00	26.20	186.50	1410.69	-352.91	-44.08	355.65	0.26	-0.11	0.53	MWD
1573.00	25.40	187.20	1496.22	-393.96	-49.00	397.00	0.90	-0.84	0.74	MWD
1668.00	25.10	187.20	1582.14	-434.17	-54.08	437.52	0.32	-0.32	0.00	MWD
1761.00	24.80	186.10	1666.53	-472.99	-58.61	476.60	0.73	-0.54	-1.18	MWD
1856.00	25.70	186.10	1752.52	-513.13	-62.90	516.97	1.16	1.16	0.00	MWD
1951.00	25.10	185.10	1838.34	-553.68	-66.88	557.70	0.78	-0.63	-1.05	MWD
2044.00	25.20	186.90	1922.52	-592.99	-71.02	597.21	0.83	0.11	1.94	MWD
2139.00	24.60	185.80	2008.69	-632.74	-75.44	637.21	0.80	-0.63	-1.16	MWD

Ryan Energy Technologied

Survey Report



Company: ConocoPhillips Field: San Juan County, NM Site: San Juan 32-8 No. 267 Well: Well 32-8 #267 Wellpath: Original Hole	Date: 8/28/2006 Time: 12:31:17 Page: 2 Co-ordinate(NE) Reference: Site: San Juan 32-8 No. 267 Grid North Vertical (TVD) Reference: SITE: 0.0 Section (VS) Reference: Well (0.00N,0.00E,187.14Azi) Survey Calculation Method: Minimum Curvature Db: Sybase
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Survey

MD ft	Incl deg	Azim deg	TVD ft	+N-S ft	+E-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	Tool/Comment
2233.00	26.00	185.80	2093.67	-672.70	-79.50	677.37	1.49	1.49	0.00	MWD
2324.00	27.20	187.20	2175.04	-713.18	-84.13	718.11	1.49	1.32	1.54	MWD
2419.00	26.10	186.90	2259.95	-755.47	-89.36	760.72	1.17	-1.16	-0.32	MWD
2513.00	25.10	184.80	2344.72	-795.87	-93.51	801.32	1.44	-1.06	-2.23	MWD
2608.00	24.60	185.10	2430.92	-835.64	-96.95	841.21	0.54	-0.53	0.32	MWD
2702.00	23.60	184.00	2516.73	-873.90	-100.01	879.55	1.17	-1.06	-1.17	MWD
2796.00	22.50	183.30	2603.22	-910.63	-102.35	916.29	1.21	-1.17	-0.74	MWD
2891.00	21.50	182.60	2691.31	-946.17	-104.19	951.78	1.09	-1.05	-0.74	MWD
2984.00	20.80	182.60	2778.04	-979.69	-105.71	985.23	0.75	-0.75	0.00	MWD
3079.00	18.70	185.10	2867.45	-1011.71	-107.83	1017.27	2.38	-2.21	2.63	MWD
3170.00	16.10	186.10	2954.28	-1038.79	-110.47	1044.47	2.88	-2.86	1.10	MWD
3264.00	13.50	186.50	3045.15	-1062.66	-113.10	1068.47	2.77	-2.77	0.43	MWD
3357.00	11.20	186.10	3135.99	-1082.43	-115.29	1088.36	2.47	-2.47	-0.43	MWD
3450.00	8.80	187.90	3227.57	-1098.46	-117.22	1104.51	2.60	-2.58	1.94	MWD
3542.00	6.50	191.10	3318.75	-1110.54	-119.19	1116.74	2.54	-2.50	3.48	MWD
3636.00	4.60	191.40	3412.30	-1119.45	-120.96	1125.81	2.02	-2.02	0.32	MWD
3728.00	1.90	194.90	3504.15	-1124.55	-122.08	1131.00	2.94	-2.93	3.80	MWD
3830.00	1.10	200.90	3606.11	-1127.09	-122.87	1133.62	0.80	-0.78	5.88	MWD
3880.00	1.10	200.90	3656.10	-1127.99	-123.21	1134.56	0.00	0.00	0.00	Projection