

 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: Stogner, Michael, EMNRD **Sent:** Tue 9/12/2006 1:26 PM
To: Hayden, Steven, EMNRD
Cc:
Subject: FW: SJ 32-8 #267 Information
Attachments:  SJ 32-8 #267.ppt(252KB)  SJ 32-8 #267 deviated survey.tif(65KB)  SJ 32-8 #267 deviated survey (2).tif
 (100KB)  SJ 32-8 #267 deviated survey (3).tif(72KB)

From your knowledge and/or from the information provided, what depths are the tops of the: (i) Basin-Fruitland Coal (Gas) Pool; (ii) North Los Pinos-Fruitland Sand Pool; and (iii) Undesignated Albino-Pictured Cliffs Pool in the NE/4 NE/4 (Unit A) of Section 23-T32N-R8W, San Juan County? Thanks.

From: Clugston Patsy L [mailto:PClugston@br-inc.com]
Sent: Wed 9/6/2006 8:07 AM
To: Stogner, Michael, EMNRD
Subject: SJ 32-8 #267 Information

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.

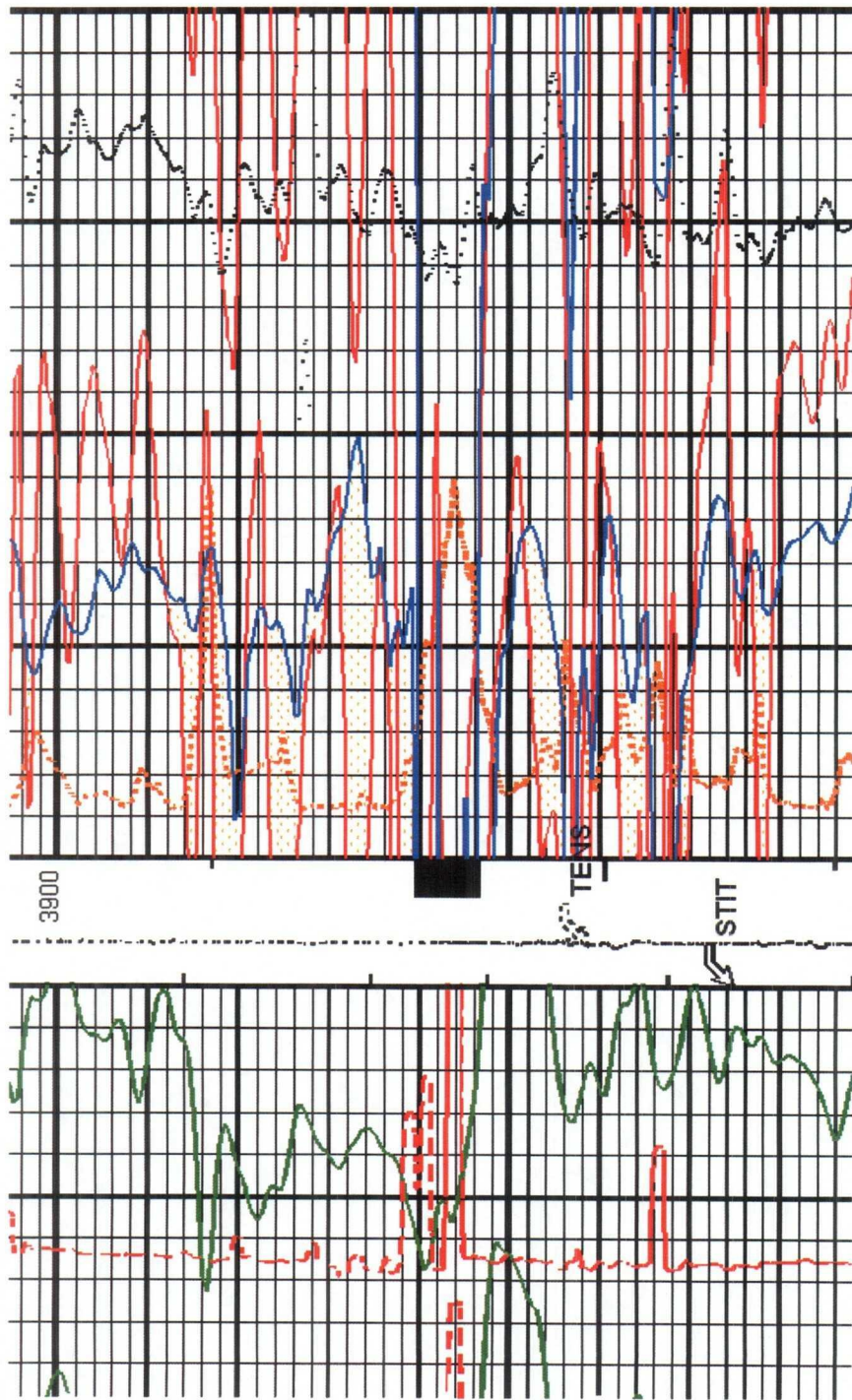
Patsy Clugston
Conocophillips
Sr. Regulatory Specialist
505-326-9518

<<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>>

9-12-06
 (3:30 PM)
 talked w/
 Steve Hayden
 - top of Fort Sand
 4008'
 - PC
 3800

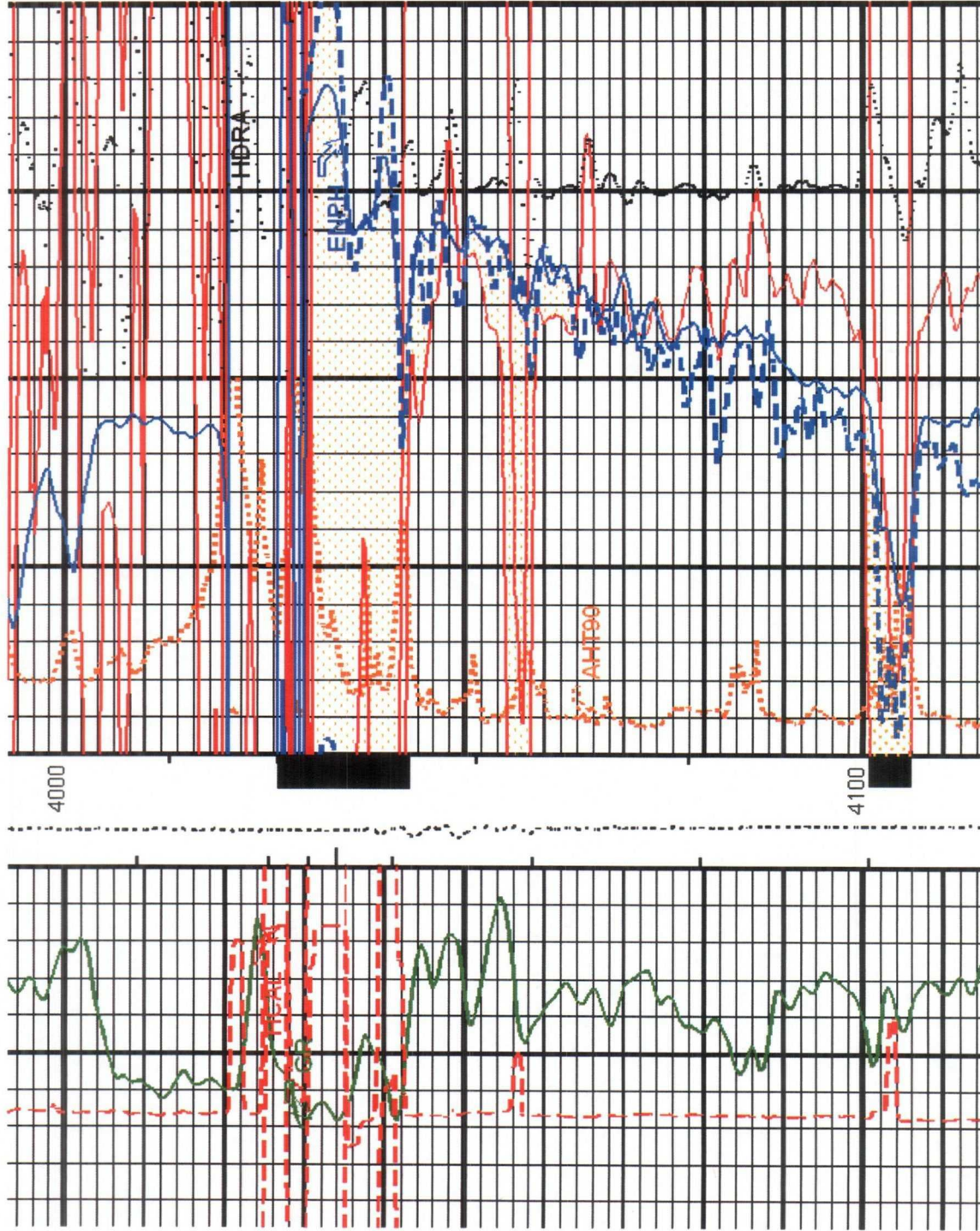
SJ 32-8 #267

Upper Coal
3940'-3946'

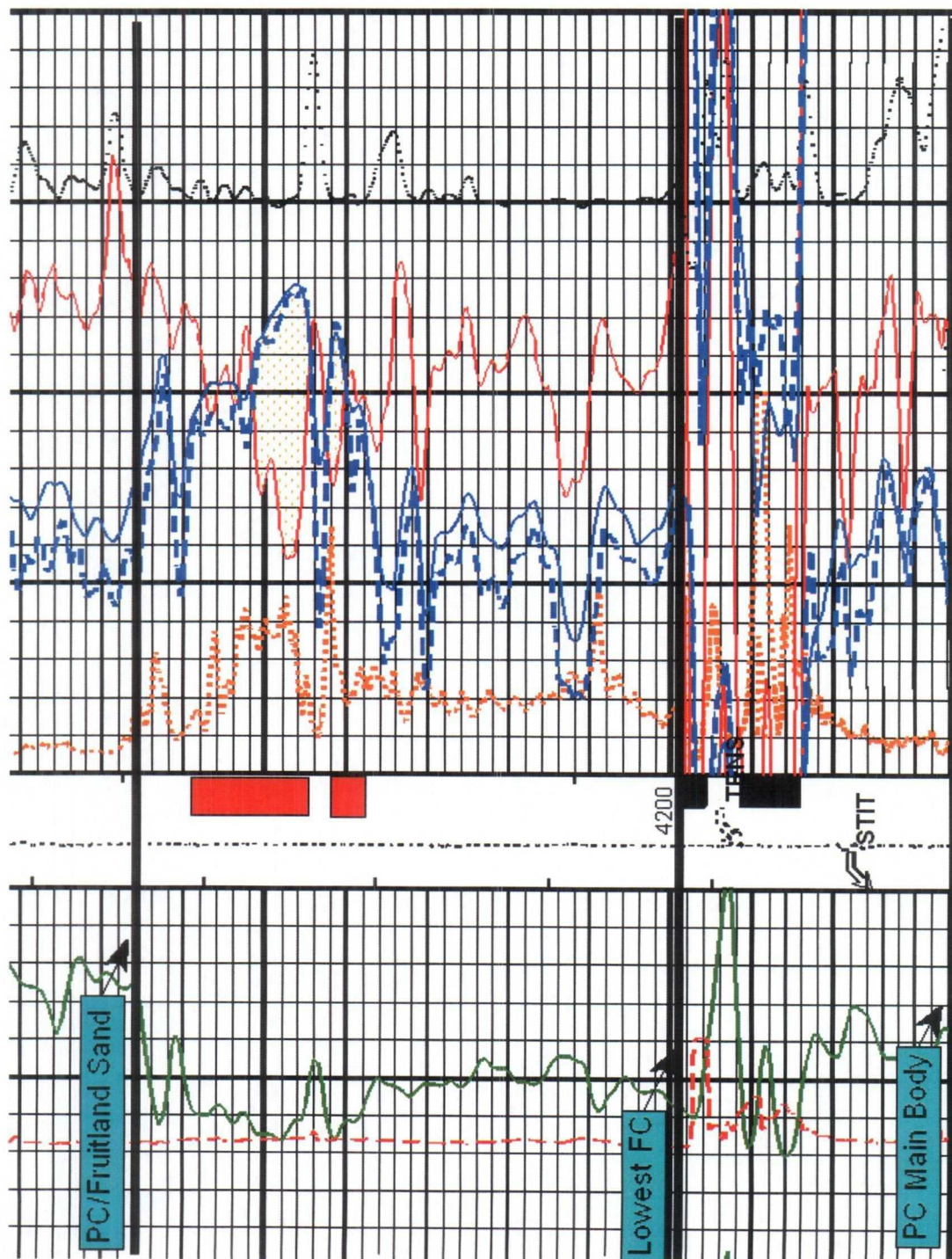


SJ 32-8 #267

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



SJ 32-8 #267



SJ 32-8 #267

PC Main Body

4236'-4258'

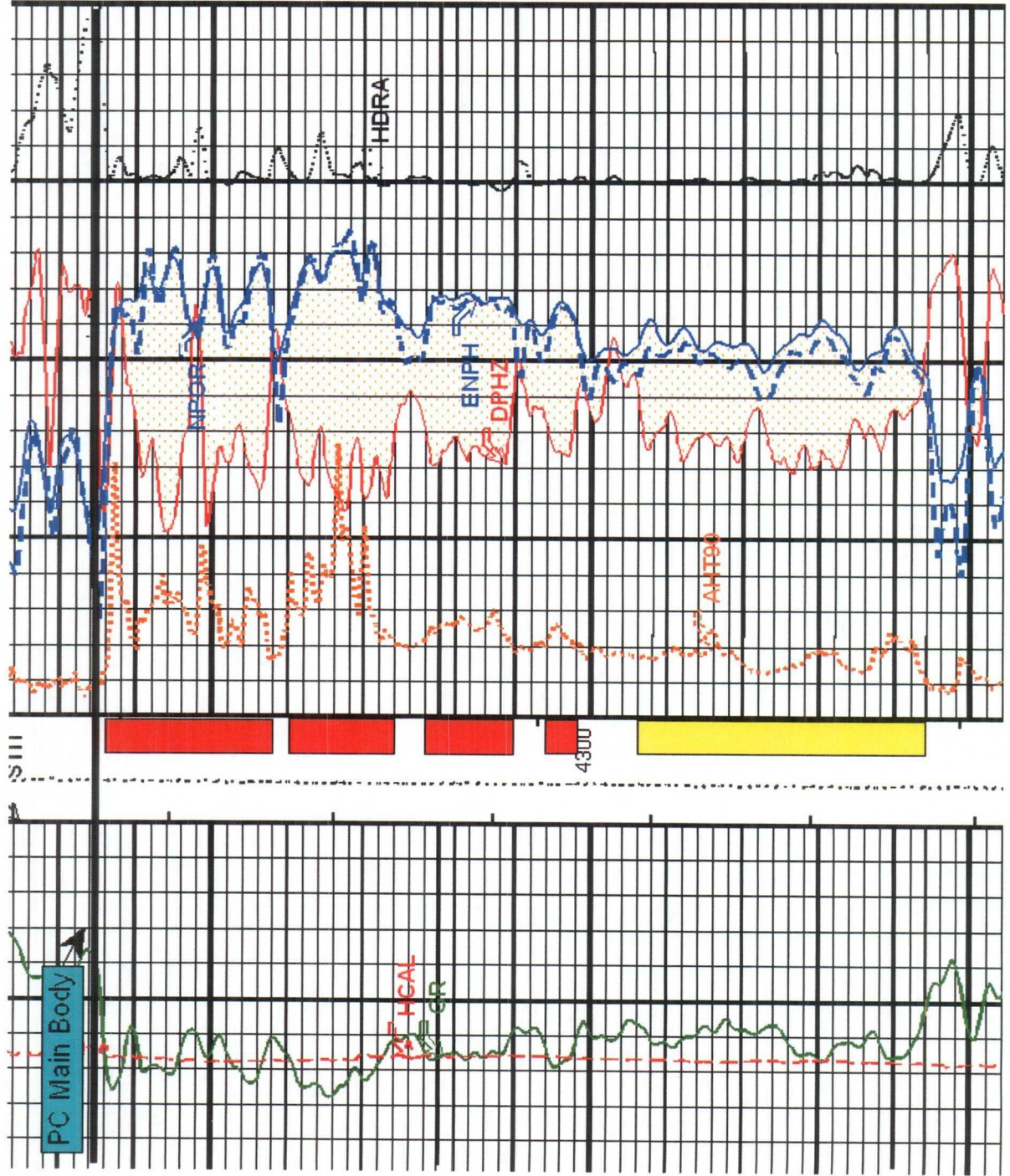
4260'-4274'

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: lgr2005

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

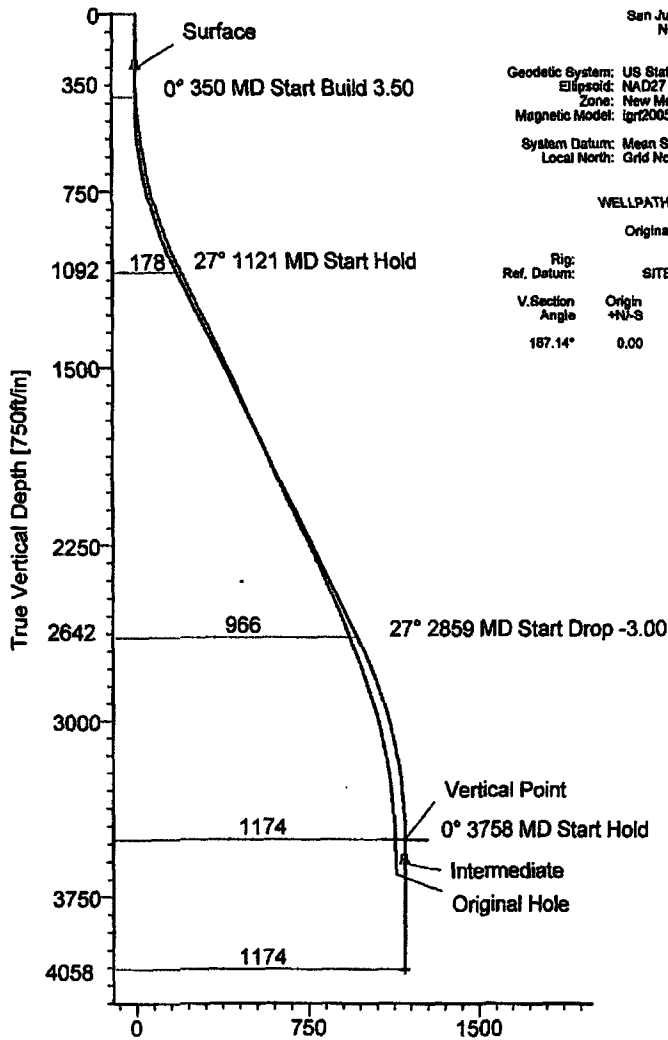
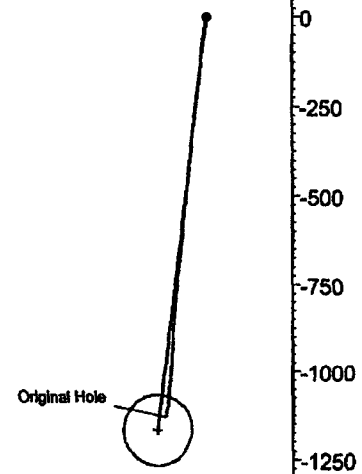
San Juan County, NM
 New Mexico
 USA
 Geodetic System: US State Plane Coordinate System 1927
 Ellipsoid: NAD27 (Clarke 1866)
 Zone: New Mexico, Western Zone
 Magnetic Model: lgr2005
 System Datum: Mean Sea Level
 Local North: Grid North

WELLPATH DETAILS

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

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

-500 -250 0 250



Vertical Section at 187.14° [750ft/in]

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	-176.63	-22.14	3.50	187.14	178.01	
4	2859.08	26.97	187.14	2841.89	-958.93	-120.18	0.00	0.00	966.44	
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		Date: 8/28/2006	Time: 12:31:17	Page: 1
Field: San Juan County, NM		Co-ordinate(NE) Reference: Site: San Juan 32-8 No. 267 Grid North		
Site: San Juan 32-8 No. 267		Vertical (TVD) Reference: SITE: 0.0		
Well: Well 32-8 #267		Section (VS) Reference: Well (0.00N, 0.00E, 187.14Az)		
Wellpath: Original Hole		Survey Calculation Method: Minimum Curvature Db: Sybase		

Field: San Juan County, NM New Mexico 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 32-8 No. 267 Sec. 14, T32N, R8W San Juan County, NM			
Site Position:	Northing: 2175656.84 ft	Latitude: 36 58 44.148 N	
From: Geographic	Easting: 556766.90 ft	Longitude: 107 38 20.364 W	
Position Uncertainty: 0.00 ft		North Reference: Grid	
Ground Level: 7115.00 ft		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		Drilled From: Surface	
Current Datum: SITE	Height 0.00 ft	Tie-on Depth: 0.00 ft	
Magnetic Data: 5/2/2006		Above System Datum: Mean Sea Level	
Field Strength: 51463 nT		Declination: 10.49 deg	
Vertical Section: Depth From (TVD)	+N-S	+E-W	Direction
ft	ft	ft	deg
0.00	0.00	0.00	187.14

Survey Program for Definitive Wellpath			
Date: 5/13/2006	Validated: No	Version: 0	
Actual From	To	Survey	Tool Name
ft	ft		
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
1194.00	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	0.58	-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	24.60	186.10	1666.53	-472.99	-58.61	478.60	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 Technologies

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,187.14Az) Survey Calculation Method: Minimum Curvature Db: Sybase
--	---

Survey

MD ft	Incl deg	Azin 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	2093.87	-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	24.80	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

 You replied on 9/12/2006 2:13 PM.

Stogner, Michael, EMNRD

From: Hayden, Steven, EMNRD
To: Stogner, Michael, EMNRD
Cc:
Subject: RE: SJ 32-8 #267 Information
Attachments:

Sent: Tue 9/12/2006 2:05 PM

Mike

I talked to BR about this a couple of weeks ago in another well. In the NE part of the basin there is an upper tongue of the PC, including the 32N 8W area. The perms they are calling Fruitland Sand are in the PC tongue. The mud log they had done confirms this. The mud log is in the imaging system with the logs.

PC tongue: 4086-4190, mud log; 4100-4175 induction log
 Lower FC: 4190-4228, " "; 4175-4235 " "
 Main PC: below4228, " "; below4235 " "

Fruitland sands are smaller lenticular bodies-fluvial sandstones in the Fruitland Formation.

Steve Hayden steven.hayden@state.nm.us
 District Geologist 505-334-6178 ext 14
 NM OCD District II 505-320-0545 Cell
 1000 Rio Brazos Rd 505-334-6170 FAX
 Aztec, NM 87410

From: Stogner, Michael, EMNRD
Sent: Tue 9/12/2006 1:26 PM
To: Hayden, Steven, EMNRD
Subject: FW: SJ 32-8 #267 Information

From your knowledge and/or from the information provided, what depths are the tops of the: (i) Basin-Fruitland Coal (Gas) Pool; (ii) North Los Pinos-Fruitland Sand Pool; and (iii) Undesignated Albino-Pictured Cliffs Pool in the NE/4 NE/4 (Unit A) of Section 23-T32N-R8W, San Juan County? Thanks.

From: Clugston Patsy L [<mailto:PClugston@br-inc.com>]
Sent: Wed 9/6/2006 8:07 AM
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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>>

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To: Hayden, Steven, EMNRD
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Attachments:

Sent: Tue 9/12/2006 2:13 PM

I was needing/wanting the absolute marker tops of these three pools.

From: Hayden, Steven, EMNRD
Sent: Tue 9/12/2006 2:05 PM
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Subject: RE: SJ 32-8 #267 Information

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