

NOV 24 2008

OCD-ARTESIA



WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well ☒ Oil Well ☐ Gas Well ☐ Dry ☐ Other _____		5. Lease Serial No. NM-77046
b. Type of Completion ☒ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr., ☐ Other		6. If Indian, Allottee or Tribe Name
2. Name of Operator DEVON ENERGY PRODUCTION COMPANY, LP		7. Unit or CA Agreement Name and No.
3. Address 20 North Broadway, Oklahoma City, OK 73102-8260		8. Lease Name and Well No. North Pure Gold 9 Federal 11H
3a. Phone No. (include area code) 405-235-3611		9. API Well No. 30-015-36370
4. Location of Well (Report location clearly and in accordance with Federal requirements)* At Surface 330' FSL 660' FEL At top prod. Interval reported below At total Depth BHL: 330' FNL 660' FEL PP: 330' FSL & 708' FEL		10. Field and Pool, or Exploratory Los Medanos; Delaware
		11. Sec., T., R., M., on Block and Survey or Area P SEC 9 T23S R31E
		12. County or Parish Eddy 13. State NM
14. Date Spudded 8/14/2008	15. Date T.D. Reached 9/21/2008	16. Date Completed 10/31/2008 ☐ D & A ☐ Ready to Prod.
17. Elevations (DR, RKB, RT, GL)* 3371' KB		
18. Total Depth: MD 12,450' TVD 8041'	19. Plug Back T.D.: MD 12,335' TVI	20. Depth Bridge Plug Set: MD TVI
21. Type Electric & Other Mechanical Logs Run (Submit copy of each) EXPRESS/ARRAY/INDUC/TOOL/MICRO/CFL/GR & THREE/DET/LITHO/DENS/COMP/NEUTRON/GR		22. Was well cored? ☒ No ☐ Yes (Submit analysis) Was DST run? ☒ No ☐ Yes (Submit report) Directional Survey? ☐ No ☒ Yes (Submit copy)

23. Casing and Liner Record (Report all strings set in well)

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sk. & Type Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
17 1/2"	13 3/8" H-40	48#	0	544'		565 sx CI C; 150 sx to pit		Surface	
12 1/4"	9 5/8" K-55	36#	0	4235'		1800 sx CI C; 150 sx to pit		Surface	
8 1/2"	5 1/2" N-80	17#	0	12,450'		2895 SX CI H & C		Surface	

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2 7/8"	12,450'							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
Delaware	10592	12335	10592-12335	6	66	Producing
Delaware	8275	10017	8275-10017	6	48	Producing

26. Perforation Record

27. Acid, Fracture, Treatment, Cement Squeeze, Etc.

Depth Interval	Amount and Type of Material
12330-35, 11752-54, 11172-74 & 10592-94	Pump 500 g rust buster 4000g 7 1/2% acid. Frac w/ 355,895 g Spectra Star 2800 w/ 12,500# 100 mesh sd, 370,750# 20/40 white sd & 111,000# 20/40 SB Excel sd. FL w/ 243.3 bbls 10# Linear gel.
10015-17, 9435-37, 8855-57 & 8275-77	Spot 1600 g 7 1/2% HCL acid & frac w/ 301K g Spectra Star 2800 w/ 12,500# 100 mesh sd, 370,750# 20/40 white sd & 111K# 20/40 SB Excel sd & FL w/ 189 bbls 10# Linear gel.

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
10/31/2008	11/4/2008	24	→	132	162	1160			Pumping
Choke Size	Tbg. Press. Flwg SI	Csg. Press	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas : Oil Ratio	Well Status	
			→	132	162	1160	1,227		

28a. Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg SI	Csg. Press	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas : Oil Ratio	Well Status	
			→						

28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Ibg. Press. Flwg SI	Csg. Press	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas : Oil Ratio	Well Status	
			→						

28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Ibg. Press. Flwg SI	Csg. Press	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas : Oil Ratio	Well Status	
			→						

(See instructions and spaces for additional data on reverse side)

Disposition of Gas (Sold, used for fuel, vented, etc.)

Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof; Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

31. Formation (Log) Markers

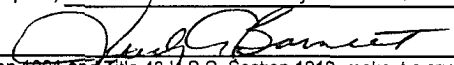
Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top
					Meas. Depth
				Rustler Delaware/Lamar Bell Canyon Cherry Canyon Brushy Canyon	506' 4223' 4277' 5134' 6431'

Additional remarks (include plugging procedure):

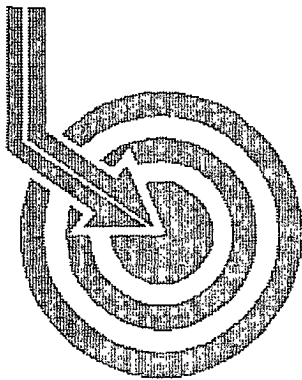
Circle enclosed attachments:

33. Indicate which items have been attached by placing a check in the appropriate box:

- ☒ Electrical/Mechanical Logs (1 full set req'd)
 ☐ Geologic Report
 ☐ DST Report
 ☒ Directional Survey
- ☐ Sundry Notice for plugging and cement verification
 ☐ Core Analysis
 ☐ Other

Name (Please print) Judy A. Barnett X8699Title Regulatory AnalystSignature Date 11/21/2008

18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.



Scientific Drilling

DEVON ENERGY

Field: Los Medanos
Site: Eddy County, NM
Well: North Pure Gold 9 Federal #11H
Wellpath: VH - Job #32K0908680
Survey: 09/04/08

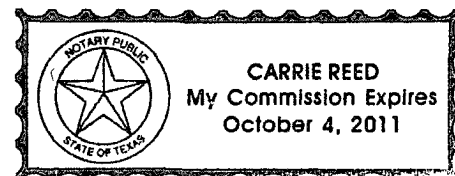
This survey is correct to the best of my knowledge
and is supported by actual field data.

.....*Richard*.....Company Representative

Notorized this date 14th of October, 2008.

Carrie Reed

Notary Signature
County of Midland
State of Texas





Scientific Drilling International Survey Report

Company: DEVON ENERGY	Date: 10/06/2008	Time: 11:52:49	Page: 1
Field: Los Medanos	Co-ordinate(NE) Reference:	Site: Eddy County, NM, Grid North	
Site: Eddy County, NM	Vertical (TVD) Reference:	SITE 0.0	
Well: North Pure Gold 9 Federal #11H	Section (VS) Reference:	Well (0.00N,0.00E,191.11Azi)	
Wellpath: VH - Job #32K0908680	Survey Calculation Method:	Minimum Curvature	Db: Sybase

Survey: 09/04/08	Start Date: 09/04/2008
KSRG 0'-7500'	
Company: Scientific Drilling Internatio	Engineer: Madrid w/GeoGyro
Tool: Keeper;Keeper Gyro	Tied-to: From Surface

Survey

MD ft	Incl deg	Azim deg	TVD ft	VS ft	N/S ft	E/W ft	DLS deg/100ft	ClsD ft	ClsA deg
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	0.54	277.73	100.00	0.03	0.06	-0.47	0.54	0.47	277.73
200.00	0.09	220.65	200.00	0.12	0.07	-0.99	0.50	0.99	273.90
300.00	0.16	214.64	300.00	0.32	-0.11	-1.12	0.07	1.12	264.51
400.00	0.19	246.14	400.00	0.54	-0.29	-1.35	0.10	1.38	257.88
500.00	0.21	256.26	500.00	0.72	-0.40	-1.68	0.04	1.72	256.58
600.00	0.59	266.89	599.99	0.92	-0.47	-2.37	0.39	2.41	258.75
700.00	0.08	301.00	699.99	1.02	-0.46	-2.94	0.53	2.98	261.05
800.00	0.07	285.92	799.99	0.99	-0.41	-3.06	0.02	3.09	262.36
900.00	0.09	10.17	899.99	0.91	-0.32	-3.11	0.11	3.12	264.18
1000.00	0.17	298.65	999.99	0.79	-0.17	-3.22	0.17	3.23	267.01
1100.00	0.15	2.87	1099.99	0.61	0.03	-3.35	0.17	3.35	270.58
1200.00	0.15	316.36	1199.99	0.41	0.26	-3.43	0.12	3.44	274.32
1300.00	0.22	269.05	1299.99	0.37	0.35	-3.71	0.16	3.73	275.40
1400.00	0.30	254.82	1399.99	0.53	0.28	-4.16	0.10	4.17	273.84
1500.00	0.45	265.20	1499.99	0.75	0.18	-4.80	0.16	4.80	272.12
1600.00	0.69	274.23	1599.98	0.93	0.19	-5.79	0.26	5.80	271.87
1700.00	0.91	278.99	1699.97	1.03	0.36	-7.18	0.23	7.19	272.85
1800.00	1.03	280.86	1799.96	1.07	0.65	-8.84	0.12	8.87	274.21
1900.00	1.23	275.84	1899.94	1.17	0.93	-10.79	0.22	10.83	274.92
2000.00	1.54	266.94	1999.91	1.60	0.97	-13.20	0.38	13.24	274.19
2100.00	1.83	264.31	2099.87	2.39	0.74	-16.13	0.30	16.15	272.62
2200.00	1.90	265.85	2199.81	3.28	0.46	-19.38	0.09	19.38	271.36
2300.00	1.94	274.20	2299.76	3.92	0.46	-22.72	0.28	22.72	271.17
2400.00	1.89	277.18	2399.70	4.24	0.79	-26.04	0.11	26.05	271.74
2500.00	1.92	283.87	2499.65	4.27	1.40	-29.31	0.22	29.34	272.74
2600.00	1.80	299.16	2599.59	3.71	2.57	-32.30	0.51	32.40	274.54
2700.00	2.16	320.63	2699.53	2.02	4.79	-34.87	0.82	35.20	277.82
2800.00	2.23	318.47	2799.46	-0.36	7.70	-37.36	0.11	38.14	281.65
2900.00	1.73	304.11	2899.40	-2.13	10.01	-39.90	0.70	41.13	284.08
3000.00	2.07	299.63	2999.35	-3.29	11.75	-42.71	0.37	44.30	285.37
3100.00	2.64	297.45	3099.26	-4.51	13.70	-46.33	0.58	48.31	286.47
3200.00	2.91	290.17	3199.14	-5.56	15.64	-50.75	0.44	53.11	287.12
3300.00	3.07	285.50	3299.01	-6.17	17.23	-55.72	0.29	58.32	287.18
3400.00	2.21	285.63	3398.90	-6.52	18.46	-60.16	0.86	62.92	287.06
3500.00	0.53	255.41	3498.87	-6.47	18.87	-62.46	1.77	65.25	286.81
3600.00	0.68	230.27	3598.87	-5.81	18.37	-63.36	0.30	65.97	286.17
3700.00	0.82	200.17	3698.86	-4.65	17.32	-64.07	0.41	66.37	285.13
3800.00	2.22	144.47	3798.82	-2.61	15.07	-63.19	1.88	64.96	283.41
3900.00	3.24	137.46	3898.71	0.39	11.41	-60.15	1.07	61.22	280.74
4000.00	3.33	134.10	3998.54	3.65	7.31	-56.16	0.21	56.63	277.42
4100.00	2.91	128.54	4098.40	6.40	3.71	-52.08	0.52	52.22	274.07
4200.00	2.10	132.41	4198.30	8.52	0.89	-48.75	0.83	48.75	271.04
4300.00	1.61	135.06	4298.25	10.26	-1.34	-46.40	0.50	46.42	268.34
4400.00	1.37	133.28	4398.21	11.68	-3.16	-44.54	0.24	44.65	265.95
4500.00	1.44	133.86	4498.18	13.00	-4.85	-42.76	0.07	43.04	263.54
4600.00	1.42	136.37	4598.15	14.39	-6.61	-41.00	0.07	41.53	260.84
4700.00	1.10	135.44	4698.13	15.65	-8.19	-39.47	0.32	40.31	258.27
4800.00	1.00	127.32	4798.11	16.57	-9.41	-38.11	0.18	39.25	256.13



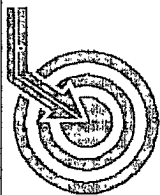
Scientific Drilling International

Survey Report

Company: DEVON ENERGY	Date: 10/06/2008	Time: 11:52:49	Page: 2
Field: Los Medanos	Co-ordinate(NE) Reference:	Site: Eddy County, NM, Grid North	
Site: Eddy County, NM	Vertical (TVD) Reference:	SITE 0.0	
Well: North Pure Gold 9 Federal #11H	Section (VS) Reference:	Well (0.00N,0.00E,191.11Azi)	
Wellpath: VH - Job #32K0908680	Survey Calculation Method:	Minimum Curvature	Db: Sybase

Survey

MD ft	Incl deg	Azim deg	TVD ft	VS ft	N/S ft	E/W ft	DLS deg/100ft	ClsD ft	ClsA deg
4900.00	1.00	124.83	4898.10	17.31	-10.43	-36.69	0.04	38.15	254.13
5000.00	0.91	125.09	4998.08	17.98	-11.39	-35.33	0.09	37.12	252.13
5100.00	0.89	123.36	5098.07	18.60	-12.27	-34.03	0.03	36.18	250.17
5200.00	0.90	125.06	5198.06	19.21	-13.15	-32.74	0.03	35.28	248.12
5300.00	0.80	112.47	5298.05	19.67	-13.87	-31.45	0.21	34.37	246.20
5400.00	0.79	101.59	5398.04	19.81	-14.27	-30.13	0.15	33.34	244.65
5500.00	0.81	101.82	5498.03	19.83	-14.56	-28.76	0.02	32.24	243.16
5600.00	0.78	98.82	5598.02	19.81	-14.81	-27.40	0.05	31.14	241.61
5700.00	0.81	106.13	5698.01	19.84	-15.11	-26.05	0.11	30.11	239.89
5800.00	0.63	117.19	5798.00	20.06	-15.55	-24.88	0.23	29.34	237.99
5900.00	0.58	112.31	5897.99	20.31	-16.00	-23.92	0.07	28.78	236.23
6000.00	0.56	122.04	5997.99	20.58	-16.45	-23.04	0.10	28.31	234.47
6100.00	0.48	130.06	6097.99	20.96	-16.98	-22.30	0.11	28.03	232.72
6200.00	0.53	113.47	6197.98	21.26	-17.43	-21.56	0.15	27.73	231.04
6300.00	0.65	107.72	6297.98	21.42	-17.79	-20.60	0.13	27.21	229.18
6400.00	0.73	106.25	6397.97	21.55	-18.14	-19.44	0.08	26.59	226.99
6500.00	0.71	103.34	6497.96	21.63	-18.46	-18.23	0.04	25.94	224.64
6600.00	0.82	102.99	6597.95	21.68	-18.76	-16.93	0.11	25.27	222.06
6700.00	0.73	113.78	6697.94	21.84	-19.18	-15.65	0.17	24.76	219.21
6800.00	0.68	114.96	6797.94	22.12	-19.69	-14.53	0.05	24.47	216.42
6900.00	0.74	117.05	6897.93	22.44	-20.23	-13.41	0.07	24.28	213.54
7000.00	0.84	117.73	6997.92	22.83	-20.87	-12.19	0.10	24.17	210.29
7100.00	0.95	122.31	7097.91	23.34	-21.65	-10.84	0.13	24.22	206.60
7200.00	0.81	128.21	7197.89	23.96	-22.53	-9.59	0.17	24.49	203.04
7300.00	1.38	127.69	7297.88	24.82	-23.71	-8.08	0.57	25.04	198.81
7400.00	1.08	140.93	7397.85	25.96	-25.17	-6.53	0.41	26.01	194.54
7500.00	1.11	131.91	7497.83	27.06	-26.55	-5.22	0.17	27.06	191.11



**Scientific
Drilling**

Field: Los Medanos

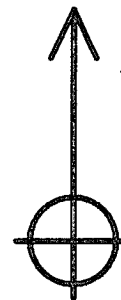
Site: Eddy County, NM

Well: North Pure Gold 9 Federal #11H

Wellpath: VH - Job #32K0908680

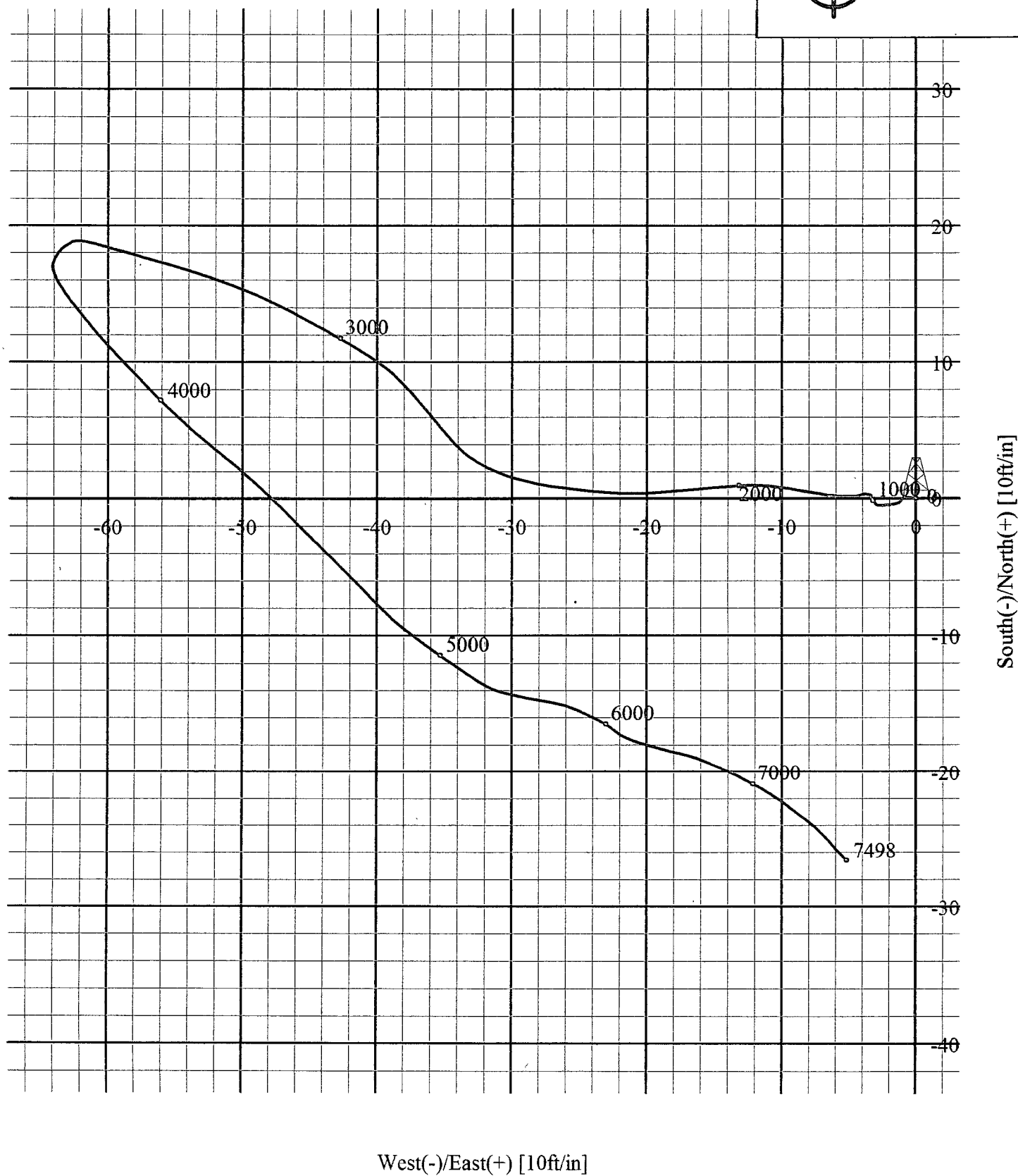
Survey: 09/04/08

G/T/M



Azimuths to Grid North
True North: 0.00°
Magnetic North: 0.00°

Magnetic Field
Strength: 0nT
Dip Angle: 0.00°
Date: 10/06/2008
Model: igrf2000





Ryan Energy Directional Drilling Report

Field: Eddy Co, NM
Site: NPG 9 Fed 11H
Well: NPG 9 Fed 11H
Wellpath: 11H

Prepared For:

DEVON ENERGY CORPORATION



Ryan Energy Technology

19510 Oil Center Blvd
Houston, TX 77073
Ph: 281-443-1414
Fx: 281-443-1676

www.ryanenergy.com



DEVON ENERGY CORPORATION

Field: Eddy Co, NM
Site: NPG 9 Fed 11H
Well: NPG 9 Fed 11H
Wellpath: 11H



Azimuths to Grid North
True North -0 30°
Magnetic North 7 77°

Magnetic Field
Strength 49023nT
Dip Angle 60 33°
Date 3/13/2008
Model igr2005

SITE DETAILS

NPG 9 Fed 11H
Section 9, T23S, R31E
Eddy Co, NM

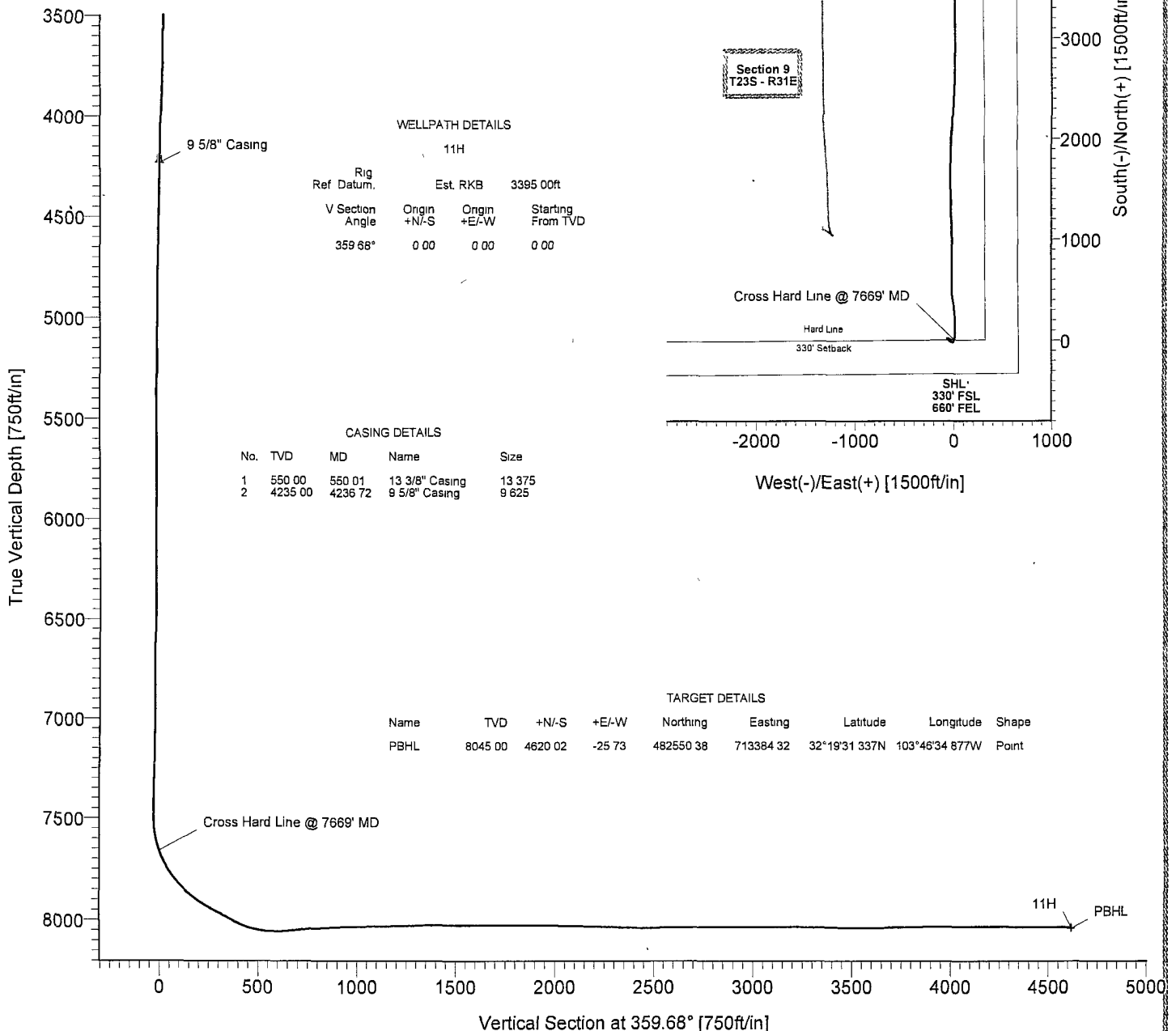
Site Centre Northing: 477930 36
Easting: 713410 05

Ground Level: 3371 00
Positional Uncertainty: 0 00
Convergence: 0 30

FIELD DETAILS

Eddy Co, NM
USA

Geodetic System: US State Plane Coordinate System 1983
Ellipsoid: GRS 1980
Zone: New Mexico, Eastern Zone
Magnetic Model: igr2005
System Datum: Mean Sea Level
Local North: Gnd North



Ryan Energy Technologies
19510 Oil Center Blvd
Houston, TX 77073
Ph 281-443-1414
Fx: 281-443-1676



Wellpath: NPG 9 Fed 11H(11H)
Created By: Kevin Carr Date: 8/22/2008
Checked: _____ Date: _____
Reviewed: _____ Date: _____
Approved: _____ Date: _____



Ryan Energy Technologies

Survey Report



Company: DEVON ENERGY CORPORATION			Date: 9/22/2008		Time: 14:21:58		Page: 1	
Field: Eddy Co, NM			Co-ordinate(NE) Reference:		Site: NPG 9 Fed 11H, Grid North			
Site: NPG 9 Fed 11H			Vertical (TVD) Reference:		Est. RKB 3395.0			
Well: NPG 9 Fed 11H			Section (VS) Reference:		Well (0.00N,0.00E,359.68Azi)			
Wellpath: 11H			Survey Calculation Method:		Minimum Curvature		Db: Sybase	

Field: Eddy Co, NM			
USA			
Map System: US State Plane Coordinate System 1983		Map Zone: New Mexico, Eastern Zone	
Geo Datum: GRS 1980		Coordinate System: Site Centre	
Sys Datum: Mean Sea Level		Geomagnetic Model: igrf2005	

Site: NPG 9 Fed 11H Section 9, T23S, R31E Eddy Co, NM			
Site Position:	Northing:	477930.36 ft	Latitude: 32 18 45.618 N
From: Map	Easting:	713410.05 ft	Longitude: 103 46 34.857 W
Position Uncertainty: 0.00 ft	North Reference: Grid		
Ground Level: 3371.00 ft	Grid Convergence: 0.30 deg		

Well: NPG 9 Fed 11H				Slot Name:			
Well Position:	+N/-S	0.00 ft	Northing:	477930.36 ft	Latitude:	32 18 45.618 N	
	+E/-W	0.00 ft	Easting:	713410.05 ft	Longitude:	103 46 34.857 W	
Position Uncertainty:	0.00 ft						

Wellpath: 11H				Drilled From: Surface			
Current Datum: Est. RKB		Height 3395.00 ft		Tie-on Depth:		0.00 ft	
Magnetic Data: 3/13/2008				Above System Datum:		Mean Sea Level	
Field Strength: 49023 nT				Declination:		8.07 deg	
Vertical Section: Depth From (TVD)		+N/-S		+E/-W		Direction	
ft		ft		ft		deg	
0.00		0.00		0.00		359.68	

Survey Program for Definitive Wellpath					
Date: 9/22/2008		Validated: No		Version: 0	
Actual From	To	Survey	Toolcode	Tool Name	
ft	ft				
100.00	7500.00	Survey #1 (100.00-7500.00)	Gyro	Good Gyro	
7543.00	12400.00	Survey #2 (7543.00-12400.00)	MWD		
12450.00	12450.00	Survey #3 (12450.00-12450.00)	Projection	Projected to TD	

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
100.00	0.54	277.73	100.00	0.06	-0.47	0.07	0.54	0.54	0.00	Gyro
200.00	0.09	220.65	200.00	0.07	-0.99	0.07	0.50	-0.45	-57.08	Gyro
300.00	0.16	214.64	300.00	-0.11	-1.12	-0.10	0.07	0.07	-6.01	Gyro
400.00	0.19	246.14	400.00	-0.29	-1.35	-0.28	0.10	0.03	31.50	Gyro
500.00	0.21	256.26	500.00	-0.40	-1.68	-0.39	0.04	0.02	10.12	Gyro
600.00	0.59	266.89	599.99	-0.47	-2.37	-0.46	0.39	0.38	10.63	Gyro
700.00	0.08	301.00	699.99	-0.46	-2.94	-0.45	0.53	-0.51	34.11	Gyro
800.00	0.07	285.92	799.99	-0.41	-3.06	-0.39	0.02	-0.01	-15.08	Gyro
900.00	0.09	10.17	899.99	-0.32	-3.11	-0.30	0.11	0.02	84.25	Gyro
1000.00	0.17	298.65	999.99	-0.17	-3.22	-0.15	0.17	0.08	-71.52	Gyro
1100.00	0.15	2.87	1099.99	0.03	-3.35	0.05	0.17	-0.02	64.22	Gyro
1200.00	0.15	316.36	1199.99	0.26	-3.43	0.28	0.12	0.00	-46.51	Gyro
1300.00	0.22	269.05	1299.99	0.35	-3.71	0.37	0.16	0.07	-47.31	Gyro
1400.00	0.30	254.82	1399.99	0.28	-4.16	0.30	0.10	0.08	-14.23	Gyro
1500.00	0.45	265.20	1499.99	0.18	-4.80	0.20	0.16	0.15	10.38	Gyro
1600.00	0.69	274.23	1599.98	0.19	-5.79	0.22	0.26	0.24	9.03	Gyro
1700.00	0.91	278.99	1699.97	0.36	-7.18	0.40	0.23	0.22	4.76	Gyro
1800.00	1.03	280.86	1799.96	0.65	-8.84	0.70	0.12	0.12	1.87	Gyro
1900.00	1.23	275.84	1899.94	0.93	-10.79	0.99	0.22	0.20	-5.02	Gyro
2000.00	1.54	266.94	1999.91	0.97	-13.20	1.04	0.38	0.31	-8.90	Gyro



Ryan Energy Technologies

Survey Report



Company: DEVON ENERGY CORPORATION
Field: Eddy Co, NM
Site: NPG 9 Fed 11H
Well: NPG 9 Fed 11H
Wellpath: 11H

Date: 9/22/2008 Time: 14:21:58 Page: 2
Co-ordinate(NE) Reference: Site: NPG 9 Fed 11H, Grid North
Vertical (TVD) Reference: Est. RKB 3395.0
Section (VS) Reference: Well (0.00N,0.00E,359.68Azi)
Survey Calculation Method: Minimum Curvature Db: Sybase

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
2100.00	1.83	264.31	2099.87	0.74	-16.13	0.83	0.30	0.29	-2.63	Gyro
2200.00	1.90	265.85	2199.81	0.46	-19.38	0.57	0.09	0.07	1.54	Gyro
2300.00	1.94	274.20	2299.76	0.46	-22.72	0.59	0.28	0.04	8.35	Gyro
2400.00	1.89	277.18	2399.70	0.79	-26.04	0.94	0.11	-0.05	2.98	Gyro
2500.00	1.92	283.87	2499.65	1.40	-29.31	1.56	0.22	0.03	6.69	Gyro
2600.00	1.80	299.16	2599.59	2.57	-32.30	2.75	0.51	-0.12	15.29	Gyro
2700.00	2.16	320.63	2699.53	4.79	-34.87	4.98	0.82	0.36	21.47	Gyro
2800.00	2.23	318.47	2799.46	7.70	-37.36	7.91	0.11	0.07	-2.16	Gyro
2900.00	1.73	304.11	2899.40	10.01	-39.90	10.23	0.70	-0.50	-14.36	Gyro
3000.00	2.07	299.63	2999.35	11.75	-42.71	11.98	0.37	0.34	-4.48	Gyro
3100.00	2.64	297.45	3099.26	13.70	-46.33	13.96	0.58	0.57	-2.18	Gyro
3200.00	2.91	290.17	3199.14	15.64	-50.75	15.92	0.44	0.27	-7.28	Gyro
3300.00	3.07	285.50	3299.01	17.23	-55.72	17.54	0.29	0.16	-4.67	Gyro
3400.00	2.21	285.63	3398.90	18.46	-60.16	18.80	0.86	-0.86	0.13	Gyro
3500.00	0.53	255.41	3498.87	18.87	-62.46	19.21	1.77	-1.68	-30.22	Gyro
3600.00	0.68	230.27	3598.87	18.37	-63.36	18.72	0.30	0.15	-25.14	Gyro
3700.00	0.82	200.17	3698.86	17.32	-64.07	17.68	0.41	0.14	-30.10	Gyro
3800.00	2.22	144.47	3798.82	15.07	-63.19	15.42	1.88	1.40	-55.70	Gyro
3900.00	3.24	137.46	3898.71	11.41	-60.15	11.75	1.07	1.02	-7.01	Gyro
4000.00	3.33	134.10	3998.54	7.31	-56.16	7.62	0.21	0.09	-3.36	Gyro
4100.00	2.91	128.54	4098.40	3.71	-52.08	4.00	0.52	-0.42	-5.56	Gyro
4200.00	2.10	132.41	4198.30	0.89	-48.75	1.16	0.83	-0.81	3.87	Gyro
4300.00	1.61	135.06	4298.25	-1.34	-46.40	-1.08	0.50	-0.49	2.65	Gyro
4400.00	1.37	133.28	4398.21	-3.16	-44.54	-2.91	0.24	-0.24	-1.78	Gyro
4500.00	1.44	133.86	4498.18	-4.85	-42.76	-4.61	0.07	0.07	0.58	Gyro
4600.00	1.42	136.37	4598.15	-6.61	-41.00	-6.38	0.07	-0.02	2.51	Gyro
4700.00	1.10	135.44	4698.13	-8.19	-39.47	-7.97	0.32	-0.32	-0.93	Gyro
4800.00	1.00	127.32	4798.11	-9.41	-38.11	-9.19	0.18	-0.10	-8.12	Gyro
4900.00	1.00	124.83	4898.10	-10.43	-36.69	-10.23	0.04	0.00	-2.49	Gyro
5000.00	0.91	125.09	4998.08	-11.39	-35.33	-11.19	0.09	-0.09	0.26	Gyro
5100.00	0.89	123.36	5098.07	-12.27	-34.03	-12.08	0.03	-0.02	-1.73	Gyro
5200.00	0.90	125.06	5198.06	-13.15	-32.74	-12.97	0.03	0.01	1.70	Gyro
5300.00	0.80	112.47	5298.05	-13.87	-31.45	-13.69	0.21	-0.10	-12.59	Gyro
5400.00	0.79	101.59	5398.04	-14.27	-30.13	-14.11	0.15	-0.01	-10.88	Gyro
5500.00	0.81	101.82	5498.03	-14.56	-28.76	-14.40	0.02	0.02	0.23	Gyro
5600.00	0.78	98.82	5598.02	-14.81	-27.40	-14.65	0.05	-0.03	-3.00	Gyro
5700.00	0.81	106.13	5698.01	-15.11	-26.05	-14.96	0.11	0.03	7.31	Gyro
5800.00	0.63	117.19	5798.00	-15.55	-24.88	-15.42	0.23	-0.18	11.06	Gyro
5900.00	0.58	112.31	5897.99	-16.00	-23.92	-15.86	0.07	-0.05	-4.88	Gyro
6000.00	0.56	122.04	5997.99	-16.45	-23.04	-16.32	0.10	-0.02	9.73	Gyro
6100.00	0.48	130.06	6097.99	-16.98	-22.30	-16.85	0.11	-0.08	8.02	Gyro
6200.00	0.53	113.47	6197.98	-17.43	-21.56	-17.31	0.15	0.05	-16.59	Gyro
6300.00	0.65	107.72	6297.98	-17.79	-20.60	-17.67	0.13	0.12	-5.75	Gyro
6400.00	0.73	106.25	6397.97	-18.14	-19.44	-18.03	0.08	0.08	-1.47	Gyro
6500.00	0.71	103.34	6497.96	-18.46	-18.23	-18.36	0.04	-0.02	-2.91	Gyro
6600.00	0.82	102.99	6597.95	-18.76	-16.93	-18.67	0.11	0.11	-0.35	Gyro
6700.00	0.73	113.78	6697.94	-19.18	-15.65	-19.09	0.17	-0.09	10.79	Gyro
6800.00	0.68	114.96	6797.94	-19.69	-14.53	-19.61	0.05	-0.05	1.18	Gyro
6900.00	0.74	117.05	6897.93	-20.23	-13.41	-20.16	0.07	0.06	2.09	Gyro
7000.00	0.84	117.73	6997.92	-20.87	-12.19	-20.80	0.10	0.10	0.68	Gyro
7100.00	0.95	122.31	7097.91	-21.65	-10.84	-21.59	0.13	0.11	4.58	Gyro
7200.00	0.81	128.21	7197.89	-22.53	-9.59	-22.48	0.17	-0.14	5.90	Gyro
7300.00	1.38	127.69	7297.88	-23.71	-8.08	-23.66	0.57	0.57	-0.52	Gyro
7400.00	1.08	140.93	7397.85	-25.17	-6.53	-25.14	0.41	-0.30	13.24	Gyro



Ryan Energy Technologies

Survey Report



Company: DEVON ENERGY CORPORATION
 Field: Eddy Co, NM
 Site: NPG 9 Fed 11H
 Well: NPG 9 Fed 11H
 Wellpath: 11H

Date: 9/22/2008 Time: 14:21:58 Page: 3
 Co-ordinate(NE) Reference: Site: NPG 9 Fed 11H, Grid North
 Vertical (TVD) Reference: Est. RKB 3395.0
 Section (VS) Reference: Well (0.00N,0.00E,359.68Azi)
 Survey Calculation Method: Minimum Curvature Db: Sybase

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
7500.00	1.11	131.91	7497.83	-26.55	-5.22	-26.52	0.17	0.03	-9.02	Gyro
7543.00	5.00	32.40	7540.78	-25.25	-3.90	-25.23	12.32	9.05	-231.42	MWD
7575.00	8.80	23.50	7572.54	-21.82	-2.18	-21.81	12.30	11.87	-27.81	MWD
7607.00	12.60	22.20	7603.98	-16.35	0.12	-16.35	11.90	11.87	-4.06	MWD
7639.00	16.40	22.70	7634.96	-8.94	3.18	-8.96	11.88	11.87	1.56	MWD
7669.00	20.80	19.66	7663.38	-0.02	6.61	-0.05	15.03	14.68	-10.14	Cross Hard Line @ 7669' M
7671.00	21.10	19.50	7665.25	0.66	6.85	0.62	15.03	14.76	-7.95	MWD
7702.00	25.00	18.90	7693.77	12.12	10.84	12.06	12.60	12.58	-1.94	MWD
7734.00	27.60	14.80	7722.46	25.69	14.92	25.60	9.91	8.12	-12.81	MWD
7766.00	30.50	7.90	7750.44	40.91	17.93	40.81	13.83	9.06	-21.56	MWD
7798.00	34.70	2.10	7777.39	58.06	19.38	57.95	16.35	13.12	-18.12	MWD
7829.00	39.00	358.70	7802.20	76.64	19.49	76.53	15.35	13.87	-10.97	MWD
7861.00	43.80	359.40	7826.19	97.80	19.14	97.69	15.07	15.00	2.19	MWD
7893.00	48.40	359.30	7848.38	120.85	18.88	120.74	14.38	14.37	-0.31	MWD
7925.00	51.50	358.70	7868.97	145.34	18.45	145.23	9.79	9.69	-1.87	MWD
7956.00	53.60	357.70	7887.82	169.93	17.67	169.83	7.24	6.77	-3.23	MWD
7988.00	55.10	357.20	7906.47	195.91	16.51	195.81	4.86	4.69	-1.56	MWD
8020.00	57.10	357.00	7924.31	222.43	15.17	222.34	6.27	6.25	-0.62	MWD
8052.00	60.90	357.00	7940.79	249.82	13.74	249.74	11.87	11.87	0.00	MWD
8084.00	62.00	357.40	7956.08	277.89	12.36	277.82	3.61	3.44	1.25	MWD
8116.00	62.70	352.00	7970.94	306.10	9.74	306.04	15.11	2.19	-16.87	MWD
8148.00	62.60	351.30	7985.64	334.22	5.61	334.19	1.97	-0.31	-2.19	MWD
8179.00	61.60	350.30	8000.15	361.27	1.24	361.26	4.30	-3.23	-3.23	MWD
8211.00	63.30	350.80	8014.95	389.25	-3.42	389.27	5.49	5.31	1.56	MWD
8243.00	67.70	352.90	8028.22	418.07	-7.54	418.11	14.99	13.75	6.56	MWD
8275.00	72.30	355.60	8039.16	447.98	-10.54	448.03	16.42	14.37	8.44	MWD
8307.00	76.20	357.30	8047.85	478.71	-12.44	478.77	13.22	12.19	5.31	MWD
8339.00	79.70	359.40	8054.53	509.99	-13.34	510.05	12.68	10.94	6.56	MWD
8371.00	83.90	359.90	8059.09	541.65	-13.53	541.72	13.22	13.12	1.56	MWD
8403.00	88.90	1.40	8061.10	573.58	-13.17	573.64	16.31	15.62	4.69	MWD
8435.00	93.60	1.70	8060.40	605.55	-12.30	605.61	14.72	14.69	0.94	MWD
8467.00	94.20	0.90	8058.23	637.46	-11.58	637.52	3.12	1.87	-2.50	MWD
8499.00	94.60	0.50	8055.77	669.37	-11.19	669.42	1.77	1.25	-1.25	MWD
8562.00	95.10	359.90	8050.44	732.14	-10.97	732.19	1.24	0.79	-0.95	MWD
8626.00	93.90	359.60	8045.42	795.94	-11.25	795.99	1.93	-1.87	-0.47	MWD
8690.00	92.90	359.30	8041.63	859.83	-11.86	859.88	1.63	-1.56	-0.47	MWD
8754.00	92.00	358.50	8038.89	923.75	-13.09	923.81	1.88	-1.41	-1.25	MWD
8817.00	90.90	359.30	8037.30	986.72	-14.30	986.78	2.16	-1.75	1.27	MWD
8881.00	90.90	358.10	8036.29	1050.70	-15.75	1050.77	1.87	0.00	-1.87	MWD
8944.00	91.30	358.50	8035.08	1113.66	-17.62	1113.74	0.90	0.63	0.63	MWD
9007.00	91.10	358.50	8033.76	1176.62	-19.27	1176.71	0.32	-0.32	0.00	MWD
9071.00	90.50	358.80	8032.87	1240.60	-20.78	1240.69	1.05	-0.94	0.47	MWD
9134.00	90.90	359.50	8032.10	1303.58	-21.71	1303.68	1.28	0.63	1.11	MWD
9198.00	90.90	359.20	8031.09	1367.57	-22.44	1367.68	0.47	0.00	-0.47	MWD
9261.00	90.60	358.60	8030.27	1430.55	-23.65	1430.66	1.06	-0.48	-0.95	MWD
9324.00	90.10	358.80	8029.88	1493.54	-25.08	1493.65	0.85	-0.79	0.32	MWD
9388.00	90.80	0.40	8029.38	1557.53	-25.52	1557.65	2.73	1.09	2.50	MWD
9452.00	89.70	359.60	8029.10	1621.53	-25.52	1621.65	2.13	-1.72	-1.25	MWD
9515.00	89.80	0.30	8029.38	1684.53	-25.58	1684.64	1.12	0.16	1.11	MWD
9579.00	90.20	0.70	8029.38	1748.52	-25.02	1748.64	0.88	0.62	0.62	MWD
9642.00	90.40	1.70	8029.05	1811.51	-23.70	1811.61	1.62	0.32	1.59	MWD
9705.00	88.50	1.90	8029.65	1874.47	-21.72	1874.56	3.03	-3.02	0.32	MWD
9768.00	89.80	2.40	8030.59	1937.42	-19.36	1937.50	2.21	2.06	0.79	MWD



Ryan Energy Technologies

Survey Report



Company: DEVON ENERGY CORPORATION
Field: Eddy Co, NM
Site: NPG 9 Fed 11H
Well: NPG 9 Fed 11H
Wellpath: 11H

Date: 9/22/2008 Time: 14:21:58 Page: 4
Co-ordinate(NE) Reference: Site: NPG 9 Fed 11H, Grid North
Vertical (TVD) Reference: Est. RKB 3395.0
Section (VS) Reference: Well (0.00N,0.00E,359.68Azi)
Survey Calculation Method: Minimum Curvature Db: Sybase

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
9832.00	89.40	2.80	8031.03	2001.35	-16.45	2001.41	0.88	-0.62	0.62	MWD
9896.00	89.10	3.50	8031.87	2065.25	-12.94	2065.29	1.19	-0.47	1.09	MWD
9960.00	88.50	2.90	8033.21	2129.13	-9.37	2129.15	1.33	-0.94	-0.94	MWD
10023.00	88.00	2.70	8035.14	2192.03	-6.29	2192.03	0.85	-0.79	-0.32	MWD
10087.00	88.30	2.90	8037.20	2255.92	-3.17	2255.90	0.56	0.47	0.31	MWD
10151.00	88.10	2.80	8039.21	2319.81	0.02	2319.77	0.35	-0.31	-0.16	MWD
10214.00	88.90	2.80	8040.86	2382.71	3.09	2382.66	1.27	1.27	0.00	MWD
10278.00	89.40	2.50	8041.81	2446.64	6.05	2446.56	0.91	0.78	-0.47	MWD
10341.00	91.00	2.90	8041.59	2509.56	9.02	2509.47	2.62	2.54	0.63	MWD
10405.00	90.70	2.00	8040.64	2573.50	11.75	2573.39	1.48	-0.47	-1.41	MWD
10468.00	90.60	1.90	8039.93	2636.46	13.90	2636.34	0.22	-0.16	-0.16	MWD
10532.00	91.00	1.60	8039.03	2700.42	15.85	2700.29	0.78	0.62	-0.47	MWD
10596.00	91.00	1.50	8037.92	2764.39	17.58	2764.25	0.16	0.00	-0.16	MWD
10659.00	90.40	1.60	8037.15	2827.36	19.29	2827.21	0.97	-0.95	0.16	MWD
10723.00	89.80	0.90	8037.03	2891.34	20.68	2891.18	1.44	-0.94	-1.09	MWD
10787.00	89.50	0.50	8037.43	2955.34	21.46	2955.17	0.78	-0.47	-0.62	MWD
10850.00	89.70	0.50	8037.87	3018.33	22.01	3018.16	0.32	0.32	0.00	MWD
10914.00	90.00	0.40	8038.03	3082.33	22.52	3082.16	0.49	0.47	-0.16	MWD
10978.00	89.90	0.30	8038.09	3146.33	22.91	3146.15	0.22	-0.16	-0.16	MWD
11041.00	89.60	359.90	8038.36	3209.33	23.02	3209.15	0.79	-0.48	-0.63	MWD
11105.00	89.20	360.00	8039.03	3273.33	22.96	3273.15	0.64	-0.62	0.16	MWD
11168.00	88.80	359.50	8040.13	3336.31	22.69	3336.14	1.02	-0.63	-0.79	MWD
11232.00	89.60	358.60	8041.03	3400.30	21.63	3400.13	1.88	1.25	-1.41	MWD
11296.00	89.80	358.10	8041.36	3464.27	19.78	3464.11	0.84	0.31	-0.78	MWD
11360.00	89.80	358.30	8041.59	3528.24	17.77	3528.09	0.31	0.00	0.31	MWD
11424.00	89.90	358.20	8041.75	3592.21	15.82	3592.06	0.22	0.16	-0.16	MWD
11487.00	90.60	358.00	8041.48	3655.17	13.73	3655.04	1.16	1.11	-0.32	MWD
11551.00	90.80	358.90	8040.70	3719.14	12.00	3719.02	1.44	0.31	1.41	MWD
11615.00	90.70	358.40	8039.86	3783.12	10.49	3783.00	0.80	-0.16	-0.78	MWD
11679.00	90.90	358.00	8038.97	3847.08	8.48	3846.98	0.70	0.31	-0.62	MWD
11742.00	89.80	358.20	8038.58	3910.05	6.39	3909.95	1.77	-1.75	0.32	MWD
11806.00	90.20	358.00	8038.58	3974.01	4.27	3973.93	0.70	0.62	-0.31	MWD
11869.00	90.10	358.30	8038.42	4036.98	2.24	4036.90	0.50	-0.16	0.48	MWD
11933.00	90.30	357.60	8038.19	4100.94	-0.05	4100.87	1.14	0.31	-1.09	MWD
11997.00	90.00	357.30	8038.02	4164.87	-2.90	4164.82	0.66	-0.47	-0.47	MWD
12060.00	89.60	356.40	8038.24	4227.78	-6.36	4227.75	1.56	-0.63	-1.43	MWD
12124.00	89.60	356.00	8038.69	4291.63	-10.60	4291.63	0.62	0.00	-0.62	MWD
12188.00	89.40	355.30	8039.25	4355.45	-15.46	4355.46	1.14	-0.31	-1.09	MWD
12252.00	89.60	355.30	8039.81	4419.23	-20.70	4419.27	0.31	0.31	0.00	MWD
12315.00	89.60	355.00	8040.25	4482.00	-26.03	4482.08	0.48	0.00	-0.48	MWD
12379.00	89.60	354.70	8040.69	4545.74	-31.77	4545.85	0.47	0.00	-0.47	MWD
12400.00	89.60	354.90	8040.84	4566.65	-33.68	4566.77	0.95	0.00	0.95	MWD
12450.00	89.60	354.90	8041.19	4616.45	-38.12	4616.60	0.00	0.00	0.00	PROJECTED to TD

Annotation

MD ft	TVD ft	
7669.00	7663.38	Cross Hard Line @ 7669' MD



Ryan Energy Technologies

COMPLETION REPORT



Company: DEVON ENERGY CORPORATION			Date: 9/22/2008		Time: 14:22:41		Page: 1	
Field: Eddy Co, NM			Co-ordinate(NE) Reference:		Site: NPG 9 Fed 11H, Grid North			
Site: NPG 9 Fed 11H			Vertical (TVD) Reference:		Est. RKB 3395.0			
Well: NPG 9 Fed 11H			Section (VS) Reference:		Well (0.00N,0.00E,359.68Azi)			
Wellpath: 11H			Survey Calculation Method: Minimum Curvature		Db: Sybase			

Field: Eddy Co, NM	
USA	
Map System: US State Plane Coordinate System 1983	Map Zone: New Mexico, Eastern Zone
Geo Datum: GRS 1980	Coordinate System: Site Centre
Sys Datum: Mean Sea Level	Geomagnetic Model: igrf2005

Site: NPG 9 Fed 11H Section 9, T23S, R31E Eddy Co, NM			
Site Position:	Northing: 477930.36 ft	Latitude: 32 18 45.618 N	
From: Map	Easting: 713410.05 ft	Longitude: 103 46 34 857 W	
Position Uncertainty: 0.00 ft		North Reference: Grid	
Ground Level: 3371.00 ft		Grid Convergence: 0.30 deg	

Well: NPG 9 Fed 11H		Slot Name:	
Well Position: +N/-S 0.00 ft	Northing: 477930.36 ft	Latitude: 32 18 45 618 N	
+E/-W 0.00 ft	Easting: 713410.05 ft	Longitude: 103 46 34 857 W	
Position Uncertainty: 0.00 ft			

Wellpath: 11H		Drilled From: Surface	
Current Datum: Est. RKB	Height 3395.00 ft	Tie-on Depth: 0.00 ft	
Magnetic Data: 3/13/2008		Above System Datum: Mean Sea Level	
Field Strength: 49023 nT		Declination: 8.07 deg	
Vertical Section: Depth From (TVD)	+N/-S	Mag Dip Angle: 60.33 deg	
ft	ft	+E/-W	Direction
		ft	deg
0.00	0.00	0.00	359.68

Survey Program for Definitive Wellpath				
Date: 9/22/2008		Validated: No		Version: 0
Actual From	To	Survey	Toolcode	Tool Name
ft	ft			
100.00	7500.00	Survey #1 (100.00-7500.00)	Gyro	Good Gyro
7543.00	12400.00	Survey #2 (7543.00-12400.00)	MWD	
12450.00	12450.00	Survey #3 (12450.00-12450.00)	Projection	Projected to TD

Survey										
MD	Incl	TVD	VS	Azim	N/S	E/W	ClSD	ClSA	DLS	TOOL TYPE
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
100.00	0.54	100.00	0.07	277.73	0.06	-0.47	0.47	277.73	0.54	Gyro
200.00	0.09	200.00	0.07	220.65	0.07	-0.99	0.99	273.90	0.50	Gyro
300.00	0.16	300.00	-0.10	214.64	-0.11	-1.12	1.12	264.51	0.07	Gyro
400.00	0.19	400.00	-0.28	246.14	-0.29	-1.35	1.38	257.88	0.10	Gyro
500.00	0.21	500.00	-0.39	256.26	-0.40	-1.68	1.72	256.58	0.04	Gyro
600.00	0.59	599.99	-0.46	266.89	-0.47	-2.37	2.41	258.75	0.39	Gyro
700.00	0.08	699.99	-0.45	301.00	-0.46	-2.94	2.98	261.05	0.53	Gyro
800.00	0.07	799.99	-0.39	285.92	-0.41	-3.06	3.09	262.36	0.02	Gyro
900.00	0.09	899.99	-0.30	10.17	-0.32	-3.11	3.12	264.18	0.11	Gyro
1000.00	0.17	999.99	-0.15	298.65	-0.17	-3.22	3.23	267.01	0.17	Gyro
1100.00	0.15	1099.99	0.05	2.87	0.03	-3.35	3.35	270.58	0.17	Gyro
1200.00	0.15	1199.99	0.28	316.36	0.26	-3.43	3.44	274.32	0.12	Gyro
1300.00	0.22	1299.99	0.37	269.05	0.35	-3.71	3.73	275.40	0.16	Gyro
1400.00	0.30	1399.99	0.30	254.82	0.28	-4.16	4.17	273.84	0.10	Gyro
1500.00	0.45	1499.99	0.20	265.20	0.18	-4.80	4.80	272.12	0.16	Gyro
1600.00	0.69	1599.98	0.22	274.23	0.19	-5.79	5.80	271.87	0.26	Gyro
1700.00	0.91	1699.97	0.40	278.99	0.36	-7.18	7.19	272.85	0.23	Gyro
1800.00	1.03	1799.96	0.70	280.86	0.65	-8.84	8.87	274.21	0.12	Gyro
1900.00	1.23	1899.94	0.99	275.84	0.93	-10.79	10.83	274.92	0.22	Gyro
2000.00	1.54	1999.91	1.04	266.94	0.97	-13.20	13.24	274.19	0.38	Gyro



Ryan Energy Technologies

COMPLETION REPORT



Company: DEVON ENERGY CORPORATION
Field: Eddy Co, NM
Site: NPG 9 Fed 11H
Well: NPG 9 Fed 11H
Wellpath: 11H

Date: 9/22/2008 Time: 14:22:41 Page: 2
Co-ordinate(NE) Reference: Site: NPG 9 Fed 11H, Grid North
Vertical (TVD) Reference: Est. RKB 3395.0
Section (VS) Reference: Well (0.00N,0.00E,359.68Azi)
Survey Calculation Method: Minimum Curvature Db: Sybase

Survey

MD ft	Incl deg	TVD ft	VS ft	Azim deg	N/S ft	E/W ft	ClsD ft	ClsA deg	DLS deg/100ft	TOOL TYPE
2100.00	1.83	2099.87	0.83	264.31	0.74	-16.13	16.15	272.62	0.30	Gyro
2200.00	1.90	2199.81	0.57	265.85	0.46	-19.38	19.38	271.36	0.09	Gyro
2300.00	1.94	2299.76	0.59	274.20	0.46	-22.72	22.72	271.17	0.28	Gyro
2400.00	1.89	2399.70	0.94	277.18	0.79	-26.04	26.05	271.74	0.11	Gyro
2500.00	1.92	2499.65	1.56	283.87	1.40	-29.31	29.34	272.74	0.22	Gyro
2600.00	1.80	2599.59	2.75	299.16	2.57	-32.30	32.40	274.54	0.51	Gyro
2700.00	2.16	2699.53	4.98	320.63	4.79	-34.87	35.20	277.82	0.82	Gyro
2800.00	2.23	2799.46	7.91	318.47	7.70	-37.36	38.14	281.65	0.11	Gyro
2900.00	1.73	2899.40	10.23	304.11	10.01	-39.90	41.13	284.08	0.70	Gyro
3000.00	2.07	2999.35	11.98	299.63	11.75	-42.71	44.30	285.37	0.37	Gyro
3100.00	2.64	3099.26	13.96	297.45	13.70	-46.33	48.31	286.47	0.58	Gyro
3200.00	2.91	3199.14	15.92	290.17	15.64	-50.75	53.11	287.12	0.44	Gyro
3300.00	3.07	3299.01	17.54	285.50	17.23	-55.72	58.32	287.18	0.29	Gyro
3400.00	2.21	3398.90	18.80	285.63	18.46	-60.16	62.92	287.06	0.86	Gyro
3500.00	0.53	3498.87	19.21	255.41	18.87	-62.46	65.25	286.81	1.77	Gyro
3600.00	0.68	3598.87	18.72	230.27	18.37	-63.36	65.97	286.17	0.30	Gyro
3700.00	0.82	3698.86	17.68	200.17	17.32	-64.07	66.37	285.13	0.41	Gyro
3800.00	2.22	3798.82	15.42	144.47	15.07	-63.19	64.96	283.41	1.88	Gyro
3900.00	3.24	3898.71	11.75	137.46	11.41	-60.15	61.22	280.74	1.07	Gyro
4000.00	3.33	3998.54	7.62	134.10	7.31	-56.16	56.63	277.42	0.21	Gyro
4100.00	2.91	4098.40	4.00	128.54	3.71	-52.08	52.22	274.07	0.52	Gyro
4200.00	2.10	4198.30	1.16	132.41	0.89	-48.75	48.75	271.04	0.83	Gyro
4300.00	1.61	4298.25	-1.08	135.06	-1.34	-46.40	46.42	268.34	0.50	Gyro
4400.00	1.37	4398.21	-2.91	133.28	-3.16	-44.54	44.65	265.95	0.24	Gyro
4500.00	1.44	4498.18	-4.61	133.86	-4.85	-42.76	43.04	263.54	0.07	Gyro
4600.00	1.42	4598.15	-6.38	136.37	-6.61	-41.00	41.53	260.84	0.07	Gyro
4700.00	1.10	4698.13	-7.97	135.44	-8.19	-39.47	40.31	258.27	0.32	Gyro
4800.00	1.00	4798.11	-9.19	127.32	-9.41	-38.11	39.25	256.13	0.18	Gyro
4900.00	1.00	4898.10	-10.23	124.83	-10.43	-36.69	38.15	254.13	0.04	Gyro
5000.00	0.91	4998.08	-11.19	125.09	-11.39	-35.33	37.12	252.13	0.09	Gyro
5100.00	0.89	5098.07	-12.08	123.36	-12.27	-34.03	36.18	250.17	0.03	Gyro
5200.00	0.90	5198.06	-12.97	125.06	-13.15	-32.74	35.28	248.12	0.03	Gyro
5300.00	0.80	5298.05	-13.69	112.47	-13.87	-31.45	34.37	246.20	0.21	Gyro
5400.00	0.79	5398.04	-14.11	101.59	-14.27	-30.13	33.34	244.65	0.15	Gyro
5500.00	0.81	5498.03	-14.40	101.82	-14.56	-28.76	32.24	243.16	0.02	Gyro
5600.00	0.78	5598.02	-14.65	98.82	-14.81	-27.40	31.14	241.61	0.05	Gyro
5700.00	0.81	5698.01	-14.96	106.13	-15.11	-26.05	30.11	239.89	0.11	Gyro
5800.00	0.63	5798.00	-15.42	117.19	-15.55	-24.88	29.34	237.99	0.23	Gyro
5900.00	0.58	5897.99	-15.86	112.31	-16.00	-23.92	28.78	236.23	0.07	Gyro
6000.00	0.56	5997.99	-16.32	122.04	-16.45	-23.04	28.31	234.47	0.10	Gyro
6100.00	0.48	6097.99	-16.85	130.06	-16.98	-22.30	28.03	232.72	0.11	Gyro
6200.00	0.53	6197.98	-17.31	113.47	-17.43	-21.56	27.73	231.04	0.15	Gyro
6300.00	0.65	6297.98	-17.67	107.72	-17.79	-20.60	27.21	229.18	0.13	Gyro
6400.00	0.73	6397.97	-18.03	106.25	-18.14	-19.44	26.59	226.99	0.08	Gyro
6500.00	0.71	6497.96	-18.36	103.34	-18.46	-18.23	25.94	224.64	0.04	Gyro
6600.00	0.82	6597.95	-18.67	102.99	-18.76	-16.93	25.27	222.06	0.11	Gyro
6700.00	0.73	6697.94	-19.09	113.78	-19.18	-15.65	24.76	219.21	0.17	Gyro
6800.00	0.68	6797.94	-19.61	114.96	-19.69	-14.53	24.47	216.42	0.05	Gyro
6900.00	0.74	6897.93	-20.16	117.05	-20.23	-13.41	24.28	213.54	0.07	Gyro
7000.00	0.84	6997.92	-20.80	117.73	-20.87	-12.19	24.17	210.29	0.10	Gyro
7100.00	0.95	7097.91	-21.59	122.31	-21.65	-10.84	24.22	206.60	0.13	Gyro
7200.00	0.81	7197.89	-22.48	128.21	-22.53	-9.59	24.49	203.04	0.17	Gyro
7300.00	1.38	7297.88	-23.66	127.69	-23.71	-8.08	25.04	198.81	0.57	Gyro



Ryan Energy Technologies COMPLETION REPORT



Company: DEVON ENERGY CORPORATION
Field: Eddy Co, NM
Site: NPG 9 Fed 11H
Well: NPG 9 Fed 11H
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Date: 9/22/2008 Time: 14:22:41 Page: 3
Co-ordinate(NE) Reference: Site: NPG 9 Fed 11H, Grid North
Vertical (TVD) Reference: Est. RKB 3395.0
Section (VS) Reference: Well (0.00N,0.00E,359.68Azi)
Survey Calculation Method: Minimum Curvature Db: Sybase

Survey

MD ft	Incl deg	TVD ft	VS ft	Azim deg	N/S ft	E/W ft	ClsD ft	ClsA deg	DLS deg/100ft	TOOL TYPE
7400.00	1.08	7397.85	-25.14	140.93	-25.17	-6.53	26.01	194.54	0.41	Gyro
7500.00	1.11	7497.83	-26.52	131.91	-26.55	-5.22	27.06	191.11	0.17	Gyro
7543.00	5.00	7540.78	-25.23	32.40	-25.25	-3.90	25.55	188.78	12.32	MWD
7575.00	8.80	7572.54	-21.81	23.50	-21.82	-2.18	21.93	185.69	12.30	MWD
7607.00	12.60	7603.98	-16.35	22.20	-16.35	0.12	16.35	179.58	11.90	MWD
7639.00	16.40	7634.96	-8.96	22.70	-8.94	3.18	9.49	160.41	11.88	MWD
7671.00	21.10	7665.25	0.62	19.50	0.66	6.85	6.88	84.51	15.03	MWD
7702.00	25.00	7693.77	12.06	18.90	12.12	10.84	16.26	41.80	12.60	MWD
7734.00	27.60	7722.46	25.60	14.80	25.69	14.92	29.71	30.15	9.91	MWD
7766.00	30.50	7750.44	40.81	7.90	40.91	17.93	44.66	23.67	13.83	MWD
7798.00	34.70	7777.39	57.95	2.10	58.06	19.38	61.21	18.46	16.35	MWD
7829.00	39.00	7802.20	76.53	358.70	76.64	19.49	79.08	14.26	15.35	MWD
7861.00	43.80	7826.19	97.69	359.40	97.80	19.14	99.65	11.07	15.07	MWD
7893.00	48.40	7848.38	120.74	359.30	120.85	18.88	122.31	8.88	14.38	MWD
7925.00	51.50	7868.97	145.23	358.70	145.34	18.45	146.50	7.23	9.79	MWD
7956.00	53.60	7887.82	169.83	357.70	169.93	17.67	170.85	5.94	7.24	MWD
7988.00	55.10	7906.47	195.81	357.20	195.91	16.51	196.60	4.82	4.86	MWD
8020.00	57.10	7924.31	222.34	357.00	222.43	15.17	222.95	3.90	6.27	MWD
8052.00	60.90	7940.79	249.74	357.00	249.82	13.74	250.20	3.15	11.87	MWD
8084.00	62.00	7956.08	277.82	357.40	277.89	12.36	278.17	2.55	3.61	MWD
8116.00	62.70	7970.94	306.04	352.00	306.10	9.74	306.26	1.82	15.11	MWD
8148.00	62.60	7985.64	334.19	351.30	334.22	5.61	334.27	0.96	1.97	MWD
8179.00	61.60	8000.15	361.26	350.30	361.27	1.24	361.27	0.20	4.30	MWD
8211.00	63.30	8014.95	389.27	350.80	389.25	-3.42	389.27	359.50	5.49	MWD
8243.00	67.70	8028.22	418.11	352.90	418.07	-7.54	418.14	358.97	14.99	MWD
8275.00	72.30	8039.16	448.03	355.60	447.98	-10.54	448.10	358.65	16.42	MWD
8307.00	76.20	8047.85	478.77	357.30	478.71	-12.44	478.87	358.51	13.22	MWD
8339.00	79.70	8054.53	510.05	359.40	509.99	-13.34	510.16	358.50	12.68	MWD
8371.00	83.90	8059.09	541.72	359.90	541.65	-13.53	541.82	358.57	13.22	MWD
8403.00	88.90	8061.10	573.64	1.40	573.58	-13.17	573.73	358.68	16.31	MWD
8435.00	93.60	8060.40	605.61	1.70	605.55	-12.30	605.67	358.84	14.72	MWD
8467.00	94.20	8058.23	637.52	0.90	637.46	-11.58	637.57	358.96	3.12	MWD
8499.00	94.60	8055.77	669.42	0.50	669.37	-11.19	669.46	359.04	1.77	MWD
8562.00	95.10	8050.44	732.19	359.90	732.14	-10.97	732.22	359.14	1.24	MWD
8626.00	93.90	8045.42	795.99	359.60	795.94	-11.25	796.02	359.19	1.93	MWD
8690.00	92.90	8041.63	859.88	359.30	859.83	-11.86	859.91	359.21	1.63	MWD
8754.00	92.00	8038.89	923.81	358.50	923.75	-13.09	923.85	359.19	1.88	MWD
8817.00	90.90	8037.30	986.78	359.30	986.72	-14.30	986.82	359.17	2.16	MWD
8881.00	90.90	8036.29	1050.77	358.10	1050.70	-15.75	1050.81	359.14	1.87	MWD
8944.00	91.30	8035.08	1113.74	358.50	1113.66	-17.62	1113.79	359.09	0.90	MWD
9007.00	91.10	8033.76	1176.71	358.50	1176.62	-19.27	1176.78	359.06	0.32	MWD
9071.00	90.50	8032.87	1240.69	358.80	1240.60	-20.78	1240.77	359.04	1.05	MWD
9134.00	90.90	8032.10	1303.68	359.50	1303.58	-21.71	1303.76	359.05	1.28	MWD
9198.00	90.90	8031.09	1367.68	359.20	1367.57	-22.44	1367.76	359.06	0.47	MWD
9261.00	90.60	8030.27	1430.66	358.60	1430.55	-23.65	1430.75	359.05	1.06	MWD
9324.00	90.10	8029.88	1493.65	358.80	1493.54	-25.08	1493.75	359.04	0.85	MWD
9388.00	90.80	8029.38	1557.65	0.40	1557.53	-25.52	1557.74	359.06	2.73	MWD
9452.00	89.70	8029.10	1621.65	359.60	1621.53	-25.52	1621.73	359.10	2.13	MWD
9515.00	89.80	8029.38	1684.64	0.30	1684.53	-25.58	1684.72	359.13	1.12	MWD
9579.00	90.20	8029.38	1748.64	0.70	1748.52	-25.02	1748.70	359.18	0.88	MWD
9642.00	90.40	8029.05	1811.61	1.70	1811.51	-23.70	1811.66	359.25	1.62	MWD
9705.00	88.50	8029.65	1874.56	1.90	1874.47	-21.72	1874.60	359.34	3.03	MWD



Ryan Energy Technologies

COMPLETION REPORT



Company: DEVON ENERGY CORPORATION
 Field: Eddy Co, NM
 Site: NPG 9 Fed 11H
 Well: NPG 9 Fed 11H
 Wellpath: 11H

Date: 9/22/2008 Time: 14:22:41 Page: 4
 Co-ordinate(N/E) Reference: Site: NPG 9 Fed 11H, Grid North
 Vertical (TVD) Reference: Est. RKB 3395.0
 Section (VS) Reference: Well (0.00N,0.00E,359.68Azi)
 Survey Calculation Method: Minimum Curvature Db: Sybase

Survey

MD ft	Incl deg	TVD ft	VS ft	Azim deg	N/S ft	E/W ft	ClsD ft	ClsA deg	DLS deg/100ft	TOOL TYPE
9768.00	89.80	8030.59	1937.50	2.40	1937.42	-19.36	1937.52	359.43	2.21	MWD
9832.00	89.40	8031.03	2001.41	2.80	2001.35	-16.45	2001.42	359.53	0.88	MWD
9896.00	89.10	8031.87	2065.29	3.50	2065.25	-12.94	2065.29	359.64	1.19	MWD
9960.00	88.50	8033.21	2129.15	2.90	2129.13	-9.37	2129.16	359.75	1.33	MWD
10023.00	88.00	8035.14	2192.03	2.70	2192.03	-6.29	2192.04	359.84	0.85	MWD
10087.00	88.30	8037.20	2255.90	2.90	2255.92	-3.17	2255.92	359.92	0.56	MWD
10151.00	88.10	8039.21	2319.77	2.80	2319.81	0.02	2319.81	0.00	0.35	MWD
10214.00	88.90	8040.86	2382.66	2.80	2382.71	3.09	2382.71	0.07	1.27	MWD
10278.00	89.40	8041.81	2446.56	2.50	2446.64	6.05	2446.64	0.14	0.91	MWD
10341.00	91.00	8041.59	2509.47	2.90	2509.56	9.02	2509.58	0.21	2.62	MWD
10405.00	90.70	8040.64	2573.39	2.00	2573.50	11.75	2573.52	0.26	1.48	MWD
10468.00	90.60	8039.93	2636.34	1.90	2636.46	13.90	2636.49	0.30	0.22	MWD
10532.00	91.00	8039.03	2700.29	1.60	2700.42	15.85	2700.47	0.34	0.78	MWD
10596.00	91.00	8037.92	2764.25	1.50	2764.39	17.58	2764.44	0.36	0.16	MWD
10659.00	90.40	8037.15	2827.21	1.60	2827.36	19.29	2827.43	0.39	0.97	MWD
10723.00	89.80	8037.03	2891.18	0.90	2891.34	20.68	2891.42	0.41	1.44	MWD
10787.00	89.50	8037.43	2955.17	0.50	2955.34	21.46	2955.42	0.42	0.78	MWD
10850.00	89.70	8037.87	3018.16	0.50	3018.33	22.01	3018.41	0.42	0.32	MWD
10914.00	90.00	8038.03	3082.16	0.40	3082.33	22.52	3082.41	0.42	0.49	MWD
10978.00	89.90	8038.09	3146.15	0.30	3146.33	22.91	3146.41	0.42	0.22	MWD
11041.00	89.60	8038.36	3209.15	359.90	3209.33	23.02	3209.41	0.41	0.79	MWD
11105.00	89.20	8039.03	3273.15	360.00	3273.33	22.96	3273.41	0.40	0.64	MWD
11168.00	88.80	8040.13	3336.14	359.50	3336.31	22.69	3336.39	0.39	1.02	MWD
11232.00	89.60	8041.03	3400.13	358.60	3400.30	21.63	3400.37	0.36	1.88	MWD
11296.00	89.80	8041.36	3464.11	358.10	3464.27	19.78	3464.33	0.33	0.84	MWD
11360.00	89.80	8041.59	3528.09	358.30	3528.24	17.77	3528.28	0.29	0.31	MWD
11424.00	89.90	8041.75	3592.06	358.20	3592.21	15.82	3592.24	0.25	0.22	MWD
11487.00	90.60	8041.48	3655.04	358.00	3655.17	13.73	3655.20	0.22	1.16	MWD
11551.00	90.80	8040.70	3719.02	358.90	3719.14	12.00	3719.16	0.18	1.44	MWD
11615.00	90.70	8039.86	3783.00	358.40	3783.12	10.49	3783.14	0.16	0.80	MWD
11679.00	90.90	8038.97	3846.98	358.00	3847.08	8.48	3847.09	0.13	0.70	MWD
11742.00	89.80	8038.58	3909.95	358.20	3910.05	6.39	3910.05	0.09	1.77	MWD
11806.00	90.20	8038.58	3973.93	358.00	3974.01	4.27	3974.01	0.06	0.70	MWD
11869.00	90.10	8038.42	4036.90	358.30	4036.98	2.24	4036.98	0.03	0.50	MWD
11933.00	90.30	8038.19	4100.87	357.60	4100.94	-0.05	4100.94	360.00	1.14	MWD
11997.00	90.00	8038.02	4164.82	357.30	4164.87	-2.90	4164.87	359.96	0.66	MWD
12060.00	89.60	8038.24	4227.75	356.40	4227.78	-6.36	4227.78	359.91	1.56	MWD
12124.00	89.60	8038.69	4291.63	356.00	4291.63	-10.60	4291.65	359.86	0.62	MWD
12188.00	89.40	8039.25	4355.46	355.30	4355.45	-15.46	4355.47	359.80	1.14	MWD
12252.00	89.60	8039.81	4419.27	355.30	4419.23	-20.70	4419.28	359.73	0.31	MWD
12315.00	89.60	8040.25	4482.08	355.00	4482.00	-26.03	4482.08	359.67	0.48	MWD
12379.00	89.60	8040.69	4545.85	354.70	4545.74	-31.77	4545.85	359.60	0.47	MWD
12400.00	89.60	8040.84	4566.77	354.90	4566.65	-33.68	4566.78	359.58	0.95	MWD
12450.00	89.60	8041.19	4616.60	354.90	4616.45	-38.12	4616.61	359.53	0.00	PROJECTED to TD