

30-015-35850

North Pure Gold 5 Federal 2H



DEVON ENERGY CORPORATION

Field: Eddy Co, NM
 Site: NPG 5 Fed 2H
 Well: Well # 5 Fed 2H
 Wellpath: 5 Fed 2H



Azimuths to Grid North
 True North -0.29°
 Magnetic North 7.83°

Magnetic Field
 Strength 49072nT
 Dip Angle 60.35°
 Date 11/2/2007
 Model igr2005

SITE DETAILS

NPG 5 Fed 2H
 150' FNL, 1980' FEL, Sec 5, T23S, 31E
 Eddy Co, NM

Site Centre Northing 487965.43
 Easting 706739.38

Ground Level 3338.00
 Positional Uncertainty 0.00
 Convergence 0.29

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 Grid North

West(-)/East(+) [1500ft/in]

-1000 0 1000 2000

0

-1000

-2000

-3000

-4000

-5000

-6000

South(-)/North(+) [1500ft/in]

WELLPATH DETAILS

5 Fed 2H

Rig Ref	Datum	Est RKB	3355.00ft
V Section	Angle	Origin +N/-S	Origin +E/-W
180.00°	0.00	0.00	0.00

9 5/8" Casing

5 Fed 2H

350 From Left's Pass

TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Shape
PBHL	7860.00	-4800.00	0.00	483165.43	706739.38	32°19'37.758N	103°47'52.282W	Point

True Vertical Depth [750ft/in]

3500

4000

4500

5000

5500

6000

6500

7000

7500

8000

7" Casing

5 Fed 2H

Vertical Section at 180.00° [750ft/in]

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



Wellpath (Well # 5 Fed 2H5 Fed 2H)

Created By: Kevin Carr Date: 12/5/2007
 Checked: _____ Date: _____
 Reviewed: _____ Date: _____
 Approved: _____ Date: _____



Ryan Energy Technologies Survey Report



Company: DEVON ENERGY CORPORATION		Date: 12/5/2007	Time: 08.15:24	Page: 1
Field: Eddy Co, NM	Co-ordinate(NE) Reference: Site: NPG 5 Fed 2H, Grid North			
Site: NPG 5 Fed 2H	Vertical (TVD) Reference: Est RKB 3355.0			
Well: Well # 5 Fed 2H	Section (VS) Reference: Well (0 00N,0.00E,180.00Azi)			
Wellpath: 5 Fed 2H	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 5 Fed 2H 150' FNL, 1980' FEL, Sec 5, T23S, 31E Eddy Co, NM		
Site Position:	Northing: 487965 43 ft	Latitude: 32 20 25 256 N
From: Map	Easting: 706739 38 ft	Longitude: 103 47 52 003 W
Position Uncertainty: 0 00 ft		North Reference: Grid
Ground Level: 3338.00 ft		Grid Convergence: 0 29 deg

Well: Well # 5 Fed 2H		Slot Name:	
Well Position: +N/-S 0 00 ft	Northing: 487965 43 ft	Latitude: 32 20 25 256 N	
+E/-W 0 00 ft	Easting: 706739 38 ft	Longitude: 103 47 52 003 W	
Position Uncertainty: 0.00 ft			

Wellpath: 5 Fed 2H		Drilled From: Surface	
Current Datum: Est RKB	Height 3355.00 ft	Tie-on Depth: 0.00 ft	
Magnetic Data: 11/2/2007		Above System Datum: Mean Sea Level	
Field Strength: 49072 nT		Declination: 8 12 deg	
Vertical Section: Depth From (TVD)	+N/-S	Mag Dip Angle: 60.35 deg	
ft	ft	+E/-W	Direction
		ft	deg
0 00	0.00	0 00	180.00

Survey Program for Definitive Wellpath			
Date: 12/3/2007	Validated: No	Version: 1	
Actual From ft	To ft	Survey	Toolcode Tool Name
200 00	4115.00	Survey #1 (200.00-4115 00)	Gyro Good Gyro
4305 00	12383 00	Survey #2 (4305 00-12383 00)	MWD
12428 00	12428 00	Survey #3 (12428 00-12428 00)	Project

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
0.00	0.00	0 00	0 00	0 00	0 00	0 00	0.00	0 00	0.00	TIE LINE
200 00	0 24	173.75	200.00	-0.42	0.05	0.42	0.12	0.12	0 00	Gyro
400 00	0.40	153.95	400.00	-1.46	0.40	1.46	0 10	0.08	-9 90	Gyro
600 00	0.09	182 79	599 99	-2.24	0.70	2 24	0.16	-0.15	14.42	Gyro
800 00	0.05	234 09	799 99	-2 45	0.62	2 45	0 04	-0 02	25.65	Gyro
1000 00	0.11	64 95	999.99	-2 42	0 72	2.42	0 08	0 03	-84 57	Gyro
1400 00	0.08	357 58	1399 99	-1 98	1.06	1 98	0.03	-0.01	-16 84	Gyro
1600 00	0 20	59.62	1599 99	-1 66	1 35	1 66	0 09	0.06	31.02	Gyro
1800 00	0 22	56 94	1799.99	-1 28	1 98	1 28	0 01	0.01	-1.34	Gyro
2000 00	0.16	78 85	1999.99	-1 01	2 57	1 01	0 05	-0.03	10 95	Gyro
2200 00	0.12	110 63	2199 99	-1 03	3.04	1 03	0 04	-0 02	15 89	Gyro
2400 00	0 11	74 24	2399 99	-1 06	3 42	1.06	0 04	0.00	-18.19	Gyro
2600 00	0 06	310.81	2599.99	-0 94	3 53	0 94	0 08	-0.02	-61 72	Gyro
2800 00	0 22	203 26	2799 99	-1 22	3 30	1 22	0 12	0 08	-53 77	Gyro
3000 00	1.00	188 25	2999.98	-3.30	2 90	3.30	0.39	0 39	-7.50	Gyro
3200 00	1 08	173 95	3199.94	-6 90	2 84	6 90	0.14	0 04	-7.15	Gyro
3400 00	1.49	149.50	3399 89	-11 02	4 36	11 02	0 34	0 20	-12 22	Gyro
3600 00	1.78	142 82	3599 81	-15.73	7.56	15.73	0.17	0 14	-3.34	Gyro
3800 00	2 31	143 53	3799 68	-21 45	11 83	21.45	0.27	0 26	0 35	Gyro
4000 00	2 13	137.26	3999.53	-27 42	16 75	27 42	0.15	-0 09	-3.13	Gyro
4115.00	1 73	142 35	4114 47	-30.36	19 26	30 36	0.38	-0.35	4.43	Gyro



Ryan Energy Technologies Survey Report



Company: DEVON ENERGY CORPORATION Date: 12/5/2007 Time: 08:15:24 Page: 2
Field: Eddy Co. NM Co-ordinate(NE) Reference: Site: NPG 5 Fed 2H Gnd North
Site: NPG 5 Fed 2H Vertical (TVD) Reference: Est RKB 3355 0
Well: Well # 5 Fed 2H Section (VS) Reference: Well (0.00N,0.00E,180.00Az)
Wellpath: 5 Fed 2H 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
4305.00	2.00	133.30	4304.37	-34.91	23.43	34.91	0.21	0.14	-4.76	MWD
4495.00	2.00	137.00	4494.25	-39.61	28.10	39.61	0.07	0.00	1.95	MWD
4685.00	1.30	91.60	4684.18	-42.09	32.52	42.09	0.75	-0.37	-23.89	MWD
4875.00	1.20	83.40	4874.14	-41.92	36.65	41.92	0.11	-0.05	-4.32	MWD
4971.00	1.00	61.20	4970.12	-41.40	38.38	41.40	0.49	-0.21	-23.12	MWD
5066.00	1.00	322.50	5065.11	-40.35	38.60	40.35	1.60	0.00	-103.89	MWD
5257.00	1.10	320.20	5256.08	-37.62	36.41	37.62	0.06	0.05	-1.20	MWD
5448.00	1.00	316.60	5447.05	-35.00	34.09	35.00	0.06	-0.05	-1.88	MWD
5638.00	1.10	315.40	5637.01	-32.49	31.67	32.49	0.05	0.05	-0.63	MWD
5822.00	1.10	314.30	5820.98	-30.00	29.17	30.00	0.01	0.00	-0.60	MWD
6014.00	1.10	308.40	6012.94	-27.57	26.41	27.57	0.06	0.00	-3.07	MWD
6204.00	1.20	306.40	6202.91	-25.26	23.38	25.26	0.06	0.05	-1.05	MWD
6391.00	1.10	290.90	6389.87	-23.45	20.12	23.45	0.17	-0.05	-8.29	MWD
6578.00	0.90	282.70	6576.84	-22.49	17.01	22.49	0.13	-0.11	-4.39	MWD
6768.00	0.90	287.50	6766.82	-21.71	14.13	21.71	0.04	0.00	2.53	MWD
6960.00	1.00	281.30	6958.79	-20.93	11.05	20.93	0.07	0.05	-3.23	MWD
7151.00	0.80	284.30	7149.77	-20.28	8.13	20.28	0.11	-0.10	1.57	MWD
7340.00	0.80	264.80	7338.75	-20.07	5.53	20.07	0.14	0.00	-10.32	MWD
7407.00	3.10	204.10	7405.71	-21.77	4.33	21.77	4.17	3.43	-90.60	MWD
7439.00	6.90	187.60	7437.58	-24.46	3.72	24.46	12.58	11.87	-51.56	MWD
7469.00	10.90	182.40	7467.22	-29.09	3.36	29.09	13.59	13.33	-17.33	MWD
7501.00	15.20	180.90	7498.38	-36.31	3.17	36.31	13.48	13.44	-4.69	MWD
7533.00	19.30	176.70	7528.94	-45.78	3.41	45.78	13.38	12.81	-13.12	MWD
7563.00	22.80	177.40	7556.93	-56.54	3.96	56.54	11.70	11.67	2.33	MWD
7595.00	26.60	179.30	7586.00	-69.91	4.33	69.91	12.13	11.87	5.94	MWD
7625.00	30.30	179.90	7612.37	-84.20	4.42	84.20	12.37	12.33	2.00	MWD
7657.00	34.30	180.90	7639.42	-101.29	4.30	101.29	12.61	12.50	3.12	MWD
7689.00	38.00	181.00	7665.25	-120.16	3.98	120.16	11.56	11.56	0.31	MWD
7721.00	40.60	182.20	7690.01	-140.42	3.41	140.42	8.46	8.12	3.75	MWD
7753.00	43.70	182.30	7713.73	-161.87	2.57	161.87	9.69	9.69	0.31	MWD
7784.00	47.00	182.20	7735.52	-183.91	1.70	183.91	10.65	10.65	-0.32	MWD
7815.00	49.90	182.60	7756.07	-207.08	0.73	207.08	9.40	9.35	1.29	MWD
7846.00	53.30	183.30	7775.33	-231.34	-0.53	231.34	11.11	10.97	2.26	MWD
7878.00	56.00	184.00	7793.84	-257.39	-2.19	257.39	8.62	8.44	2.19	MWD
7910.00	58.50	183.10	7811.15	-284.25	-3.85	284.25	8.16	7.81	-2.81	MWD
7942.00	61.40	182.30	7827.17	-311.91	-5.15	311.91	9.32	9.06	-2.50	MWD
7973.00	65.10	181.80	7841.12	-339.57	-6.14	339.57	12.02	11.94	-1.61	MWD
8004.00	69.60	181.40	7853.06	-368.16	-6.94	368.16	14.56	14.52	-1.29	MWD
8035.00	75.30	181.20	7862.40	-397.70	-7.61	397.70	18.40	18.39	-0.65	MWD
8067.00	81.30	180.80	7868.89	-429.01	-8.15	429.01	18.79	18.75	-1.25	MWD
8182.00	90.30	180.10	7877.30	-543.58	-9.05	543.58	7.85	7.83	-0.61	MWD
8278.00	90.30	179.90	7876.80	-639.58	-9.05	639.58	0.21	0.00	-0.21	MWD
8373.00	90.10	179.60	7876.47	-734.58	-8.64	734.58	0.38	-0.21	-0.32	MWD
8469.00	88.40	178.40	7877.73	-830.55	-6.96	830.55	2.17	-1.77	-1.25	MWD
8533.00	89.40	178.20	7878.95	-894.51	-5.06	894.51	1.59	1.56	-0.31	MWD
8596.00	90.60	178.10	7878.95	-957.48	-3.03	957.48	1.91	1.90	-0.16	MWD
8690.00	91.50	180.30	7877.23	-1051.45	-1.72	1051.45	2.53	0.96	2.34	MWD
8785.00	90.70	178.30	7875.41	-1146.42	-0.56	1146.42	2.27	-0.84	-2.11	MWD
8881.00	92.20	181.00	7872.98	-1242.37	0.03	1242.37	3.22	1.56	2.81	MWD
8976.00	90.10	178.70	7871.07	-1337.34	0.28	1337.34	3.28	-2.21	-2.42	MWD
9039.00	90.90	177.30	7870.52	-1400.30	2.48	1400.30	2.56	1.27	-2.22	MWD
9102.00	91.40	180.20	7869.26	-1463.26	3.85	1463.26	4.67	0.79	4.60	MWD
9165.00	89.30	180.60	7868.87	-1526.26	3.41	1526.26	3.39	-3.33	0.63	MWD
9228.00	89.90	181.50	7869.31	-1589.24	2.26	1589.24	1.72	0.95	1.43	MWD



Ryan Energy Technologies Survey Report



Company: DEVON ENERGY CORPORATION
Field: Eddy Co, NM
Site: NPG 5 Fed 2H
Well: Well # 5 Fed 2H
Wellpath: 5 Fed 2H

Date: 12/5/2007 Time: 08:15:24 Page: 3
Co-ordinate(NE) Reference: Site: NPG 5 Fed 2H, Gnd North
Vertical (TVD) Reference: Est RKB 3355 0
Section (VS) Reference: Well (0.00N, 0.00E, 180.00Azi)
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
9291.00	91.50	182.90	7868.54	-1652.19	-0.16	1652.19	3.37	2.54	2.22	MWD
9355.00	91.40	181.50	7866.92	-1716.12	-2.62	1716.12	2.19	-0.16	-2.19	MWD
9419.00	90.80	182.30	7865.69	-1780.07	-4.74	1780.07	1.56	-0.94	1.25	MWD
9481.00	91.30	183.10	7864.56	-1841.99	-7.66	1841.99	1.52	0.81	1.29	MWD
9545.00	90.00	183.90	7863.83	-1905.87	-11.56	1905.87	2.38	-2.03	1.25	MWD
9640.00	87.70	183.10	7865.74	-2000.66	-17.36	2000.66	2.56	-2.42	-0.84	MWD
9703.00	88.50	181.20	7867.83	-2063.58	-19.72	2063.58	3.27	1.27	-3.02	MWD
9767.00	87.80	181.20	7869.89	-2127.53	-21.06	2127.53	1.09	-1.09	0.00	MWD
9830.00	88.60	181.40	7871.87	-2190.49	-22.49	2190.49	1.31	1.27	0.32	MWD
9894.00	88.80	179.60	7873.32	-2254.46	-23.05	2254.46	2.83	0.31	-2.81	MWD
9957.00	90.30	178.50	7873.82	-2317.45	-22.01	2317.45	2.95	2.38	-1.75	MWD
10021.00	90.10	178.80	7873.60	-2381.43	-20.50	2381.43	0.56	-0.31	0.47	MWD
10084.00	90.00	178.90	7873.54	-2444.42	-19.23	2444.42	0.22	-0.16	0.16	MWD
10148.00	90.40	178.50	7873.32	-2508.40	-17.78	2508.40	0.88	0.62	-0.62	MWD
10211.00	90.70	178.80	7872.71	-2571.38	-16.30	2571.38	0.67	0.48	0.48	MWD
10275.00	89.90	177.60	7872.38	-2635.35	-14.29	2635.35	2.25	-1.25	-1.87	MWD
10339.00	88.80	176.60	7873.10	-2699.26	-11.05	2699.26	2.32	-1.72	-1.56	MWD
10402.00	90.30	179.00	7873.60	-2762.20	-8.63	2762.20	4.49	2.38	3.81	MWD
10466.00	90.20	178.50	7873.32	-2826.19	-7.24	2826.19	0.80	-0.16	-0.78	MWD
10529.00	89.00	180.20	7873.76	-2889.18	-6.52	2889.18	3.30	-1.90	2.70	MWD
10592.00	90.60	180.60	7873.98	-2952.18	-6.96	2952.18	2.62	2.54	0.63	MWD
10687.00	91.00	181.20	7872.65	-3047.15	-8.45	3047.15	0.76	0.42	0.63	MWD
10783.00	90.80	180.30	7871.14	-3143.13	-9.71	3143.13	0.96	-0.21	-0.94	MWD
10878.00	90.80	179.70	7869.82	-3238.12	-9.71	3238.12	0.63	0.00	-0.63	MWD
10974.00	91.40	180.60	7867.97	-3334.10	-9.96	3334.10	1.13	0.62	0.94	MWD
11069.00	90.00	178.50	7866.81	-3429.09	-9.21	3429.09	2.66	-1.47	-2.21	MWD
11164.00	89.50	177.90	7867.23	-3524.04	-6.23	3524.04	0.82	-0.53	-0.63	MWD
11259.00	90.20	177.30	7867.48	-3618.95	-2.25	3618.95	0.97	0.74	-0.63	MWD
11355.00	87.80	175.70	7869.15	-3714.75	3.61	3714.75	3.00	-2.50	-1.67	MWD
11419.00	87.00	176.40	7872.06	-3778.53	8.01	3778.53	1.66	-1.25	1.09	MWD
11513.00	89.20	177.70	7875.17	-3872.35	12.84	3872.35	2.72	2.34	1.38	MWD
11608.00	91.40	179.40	7874.68	-3967.31	15.25	3967.31	2.93	2.32	1.79	MWD
11703.00	88.30	179.10	7874.92	-4062.29	16.49	4062.29	3.28	-3.26	-0.32	MWD
11798.00	92.70	181.60	7874.09	-4157.25	15.91	4157.25	5.33	4.63	2.63	MWD
11862.00	92.20	181.70	7871.36	-4221.16	14.07	4221.16	0.80	-0.78	0.16	MWD
11957.00	92.20	180.60	7867.71	-4316.07	12.17	4316.07	1.16	0.00	-1.16	MWD
12021.00	92.80	179.90	7864.92	-4380.01	11.89	4380.01	1.44	0.94	-1.09	MWD
12116.00	92.40	182.40	7860.61	-4474.89	9.98	4474.89	2.66	-0.42	2.63	MWD
12211.00	90.80	181.50	7857.96	-4569.79	6.75	4569.79	1.93	-1.68	-0.95	MWD
12307.00	90.80	182.30	7856.62	-4665.73	3.57	4665.73	0.83	0.00	0.83	MWD
12383.00	88.80	181.90	7856.88	-4741.67	0.78	4741.67	2.68	-2.63	-0.53	MWD
12428.00	88.80	181.90	7857.82	-4786.64	-0.71	4786.64	0.00	0.00	0.00	Project



Ryan Energy Technologies COMPLETION REPORT



Company: DEVON ENERGY CORPORATION		Date: 12/5/2007	Time: 08:15:48	Page: 1						
Field: Eddy Co, NM		Co-ordinate(NE) Reference:	Site: NPG 5 Fed 2H, Gnd North							
Site: NPG 5 Fed 2H		Vertical (TVD) Reference:	Est RKB: 3355 0							
Well: Well # 5 Fed 2H		Section (VS) Reference:	Well (0.00N,0.00E,180.00Azi)							
Wellpath: 5 Fed 2H		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 5 Fed 2H 150' FNL, 1980' FEL, Sec 5, T23S, 31E Eddy Co, NM										
Site Position:	Northing: 487965 43 ft	Latitude: 32 20 25 256 N								
From: Map	Easting: 706739 38 ft	Longitude: 103 47 52 003 W								
Position Uncertainty: 0 00 ft		North Reference: Grid								
Ground Level: 3338.00 ft		Grid Convergence: 0 29 deg								
Well: Well # 5 Fed 2H Slot Name:										
Well Position: +N/-S 0 00 ft	Northing: 487965.43 ft	Latitude: 32 20 25 256 N								
+E/-W 0 00 ft	Easting : 706739 38 ft	Longitude: 103 47 52 003 W								
Position Uncertainty: 0 00 ft										
Wellpath: 5 Fed 2H Drilled From: Surface										
Current Datum: Est RKB	Height: 3355 00 ft	Tie-on Depth: 0 00 ft								
Magnetic Data: 11/2/2007		Above System Datum: Mean Sea Level								
Field Strength: 49072 nT		Declination: 8 12 deg								
Vertical Section: Depth From (TVD)	+N/-S	Mag Dip Angle: 60 35 deg								
ft	ft	+E/-W	Direction							
		ft	deg							
0 00	0 00	0 00	180.00							
Survey Program for Definitive Wellpath										
Date: 12/3/2007	Validated: No	Version: 1								
Actual From ft	To ft	Survey	Toolcode	Tool Name						
200 00	4115 00	Survey #1 (200.00-4115 00)	Gyro	Good Gyro						
4305 00	12383 00	Survey #2 (4305 00-12383.00)	MWD							
12428 00	12428 00	Survey #3 (12428.00-12428 00)	Project							
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
0.00	0.00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	TIE LINE
200.00	0.24	200 00	0 42	173 75	-0 42	0 05	0 42	173.75	0 12	Gyro
400 00	0 40	400 00	1 46	153 95	-1 46	0 40	1 51	164.76	0 10	Gyro
600 00	0 09	599 99	2 24	182 79	-2 24	0 70	2 35	162.75	0 16	Gyro
800 00	0 05	799 99	2 45	234 09	-2 45	0 62	2 53	165.85	0 04	Gyro
1000 00	0 11	999 99	2 42	64 95	-2 42	0 72	2 53	163.41	0 08	Gyro
1400 00	0 08	1399 99	1 98	357 58	-1 98	1 06	2 25	151 89	0 03	Gyro
1600 00	0 20	1599 99	1 66	59 62	-1 66	1 35	2 14	140 89	0 09	Gyro
1800 00	0 22	1799 99	1 28	56 94	-1 28	1 98	2 35	122 90	0 01	Gyro
2000 00	0 16	1999 99	1 01	78 85	-1 01	2 57	2 76	111 54	0 05	Gyro
2200 00	0 12	2199 99	1 03	110 63	-1 03	3 04	3 21	108 79	0 04	Gyro
2400 00	0 11	2399 99	1 06	74 24	-1 06	3 42	3 58	107 15	0 04	Gyro
2600 00	0 06	2599 99	0 94	310 81	-0 94	3 53	3 65	104 86	0 08	Gyro
2800 00	0 22	2799 99	1 22	203 26	-1 22	3 30	3 52	110 31	0 12	Gyro
3000 00	1 00	2999 98	3 30	188 25	-3 30	2 90	4 39	138 74	0 39	Gyro
3200 00	1 08	3199 94	6 90	173 95	-6 90	2 84	7 46	157 61	0 14	Gyro
3400 00	1 49	3399 89	11 02	149 50	-11 02	4 36	11 85	158 40	0 34	Gyro
3600 00	1 78	3599 81	15 73	142 82	-15 73	7 56	17 45	154 34	0 17	Gyro
3800 00	2 31	3799 68	21 45	143 53	-21 45	11 83	24 49	151 12	0 27	Gyro
4000 00	2 13	3999 53	27 42	137 26	-27 42	16 75	32 13	148 58	0 15	Gyro
4115 00	1 73	4114 47	30 36	142 35	-30 36	19 26	35 96	147 61	0 38	Gyro



Ryan Energy Technologies COMPLETION REPORT



Company: DEVON ENERGY CORPORATION	Date: 12/5/2007	Time: 08:15:48	Page: 2
Field: Eddy Co, NM	Co-ordinate(NE) Reference:	Site: NPG 5 Fed 2H, Gnd North	
Site: NPG 5 Fed 2H	Vertical (TVD) Reference:	Est RKB 3355.0	
Well: Well # 5 Fed 2H	Section (VS) Reference:	Well (0.00N,0.00E,180.00Azi)	
Wellpath: 5 Fed 2H	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
4305.00	2.00	4304.37	34.91	133.30	-34.91	23.43	42.04	146.14	0.21	MWD
4495.00	2.00	4494.25	39.61	137.00	-39.61	28.10	48.56	144.65	0.07	MWD
4685.00	1.30	4684.18	42.09	91.60	-42.09	32.52	53.19	142.31	0.75	MWD
4875.00	1.20	4874.14	41.92	83.40	-41.92	36.65	55.68	138.84	0.11	MWD
4971.00	1.00	4970.12	41.40	61.20	-41.40	38.38	56.46	137.17	0.49	MWD
5066.00	1.00	5065.11	40.35	322.50	-40.35	38.60	55.84	136.27	1.60	MWD
5257.00	1.10	5256.08	37.62	320.20	-37.62	36.41	52.35	135.93	0.06	MWD
5448.00	1.00	5447.05	35.00	316.60	-35.00	34.09	48.86	135.75	0.06	MWD
5638.00	1.10	5637.01	32.49	315.40	-32.49	31.67	45.38	135.73	0.05	MWD
5822.00	1.10	5820.98	30.00	314.30	-30.00	29.17	41.84	135.81	0.01	MWD
6014.00	1.10	6012.94	27.57	308.40	-27.57	26.41	38.18	136.24	0.06	MWD
6204.00	1.20	6202.91	25.26	306.40	-25.26	23.38	34.41	137.21	0.06	MWD
6391.00	1.10	6389.87	23.45	290.90	-23.45	20.12	30.90	139.37	0.17	MWD
6578.00	0.90	6576.84	22.49	282.70	-22.49	17.01	28.20	142.89	0.13	MWD
6768.00	0.90	6766.82	21.71	287.50	-21.71	14.13	25.91	146.94	0.04	MWD
6960.00	1.00	6958.79	20.93	281.30	-20.93	11.05	23.67	152.16	0.07	MWD
7151.00	0.80	7149.77	20.28	284.30	-20.28	8.13	21.84	158.16	0.11	MWD
7340.00	0.80	7338.75	20.07	264.80	-20.07	5.53	20.82	164.58	0.14	MWD
7407.00	3.10	7405.71	21.77	204.10	-21.77	4.33	22.19	168.75	4.17	MWD
7439.00	6.90	7437.58	24.46	187.60	-24.46	3.72	24.74	171.35	12.58	MWD
7469.00	10.90	7467.22	29.09	182.40	-29.09	3.36	29.28	173.40	13.59	MWD
7501.00	15.20	7498.38	36.31	180.90	-36.31	3.17	36.44	175.01	13.48	MWD
7533.00	19.30	7528.94	45.78	176.70	-45.78	3.41	45.91	175.74	13.38	MWD
7563.00	22.80	7556.93	56.54	177.40	-56.54	3.96	56.68	176.00	11.70	MWD
7595.00	26.60	7586.00	69.91	179.30	-69.91	4.33	70.04	176.46	12.13	MWD
7625.00	30.30	7612.37	84.20	179.90	-84.20	4.42	84.31	176.99	12.37	MWD
7657.00	34.30	7639.42	101.29	180.90	-101.29	4.30	101.38	177.57	12.61	MWD
7689.00	38.00	7665.25	120.16	181.00	-120.16	3.98	120.23	178.10	11.56	MWD
7721.00	40.60	7690.01	140.42	182.20	-140.42	3.41	140.46	178.61	8.46	MWD
7753.00	43.70	7713.73	161.87	182.30	-161.87	2.57	161.89	179.09	9.69	MWD
7784.00	47.00	7735.52	183.91	182.20	-183.91	1.70	183.92	179.47	10.65	MWD
7815.00	49.90	7756.07	207.08	182.60	-207.08	0.73	207.09	179.80	9.40	MWD
7846.00	53.30	7775.33	231.34	183.30	-231.34	-0.53	231.34	180.13	11.11	MWD
7878.00	56.00	7793.84	257.39	184.00	-257.39	-2.19	257.40	180.49	8.62	MWD
7910.00	58.50	7811.15	284.25	183.10	-284.25	-3.85	284.27	180.78	8.16	MWD
7942.00	61.40	7827.17	311.91	182.30	-311.91	-5.15	311.95	180.95	9.32	MWD
7973.00	65.10	7841.12	339.57	181.80	-339.57	-6.14	339.63	181.04	12.02	MWD
8004.00	69.60	7853.06	368.16	181.40	-368.16	-6.94	368.23	181.08	14.56	MWD
8035.00	75.30	7862.40	397.70	181.20	-397.70	-7.61	397.77	181.10	18.40	MWD
8067.00	81.30	7868.89	429.01	180.80	-429.01	-8.15	429.09	181.09	18.79	MWD
8182.00	90.30	7877.30	543.58	180.10	-543.58	-9.05	543.66	180.95	7.85	MWD
8278.00	90.30	7876.80	639.58	179.90	-639.58	-9.05	639.65	180.81	0.21	MWD
8373.00	90.10	7876.47	734.58	179.60	-734.58	-8.64	734.63	180.67	0.38	MWD
8469.00	88.40	7877.73	830.55	178.40	-830.55	-6.96	830.58	180.48	2.17	MWD
8533.00	89.40	7878.95	894.51	178.20	-894.51	-5.06	894.53	180.32	1.59	MWD
8596.00	90.60	7878.95	957.48	178.10	-957.48	-3.03	957.48	180.18	1.91	MWD
8690.00	91.50	7877.23	1051.45	180.30	-1051.45	-1.72	1051.45	180.09	2.53	MWD
8785.00	90.70	7875.41	1146.42	178.30	-1146.42	-0.56	1146.42	180.03	2.27	MWD
8881.00	92.20	7872.98	1242.37	181.00	-1242.37	0.03	1242.37	180.00	3.22	MWD
8976.00	90.10	7871.07	1337.34	178.70	-1337.34	0.28	1337.34	179.99	3.28	MWD
9039.00	90.90	7870.52	1400.30	177.30	-1400.30	2.48	1400.30	179.90	2.56	MWD
9102.00	91.40	7869.26	1463.26	180.20	-1463.26	3.85	1463.27	179.85	4.67	MWD
9165.00	89.30	7868.87	1526.26	180.60	-1526.26	3.41	1526.26	179.87	3.39	MWD



Ryan Energy Technologies COMPLETION REPORT



Company: DEVON ENERGY CORPORATION
Field: Eddy Co, NM
Site: NPG 5 Fed 2H
Well: Well # 5 Fed 2H
Wellpath: 5 Fed 2H

Date: 12/5/2007 Time: 08:15:48 Page: 3
Co-ordinate(NE) Reference: Site: NPG 5 Fed 2H, Grd North
Vertical (TVD) Reference: Est RKB, 3355 0
Section (VS) Reference: Well (0.00N, 0.00E, 180.00Azi)
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	DUS deg/100ft	TOOL TYPE
9228.00	89.90	7869.31	1589.24	181.50	-1589.24	2.26	1589.25	179.92	1.72	MWD
9291.00	91.50	7868.54	1652.19	182.90	-1652.19	-0.16	1652.19	180.01	3.37	MWD
9355.00	91.40	7866.92	1716.12	181.50	-1716.12	-2.62	1716.12	180.09	2.19	MWD
9419.00	90.80	7865.69	1780.07	182.30	-1780.07	-4.74	1780.08	180.15	1.56	MWD
9481.00	91.30	7864.56	1841.99	183.10	-1841.99	-7.66	1842.01	180.24	1.52	MWD
9545.00	90.00	7863.83	1905.87	183.90	-1905.87	-11.56	1905.90	180.35	2.38	MWD
9640.00	87.70	7865.74	2000.66	183.10	-2000.66	-17.36	2000.74	180.50	2.56	MWD
9703.00	88.50	7867.83	2063.58	181.20	-2063.58	-19.72	2063.68	180.55	3.27	MWD
9767.00	87.80	7869.89	2127.53	181.20	-2127.53	-21.06	2127.64	180.57	1.09	MWD
9830.00	88.60	7871.87	2190.49	181.40	-2190.49	-22.49	2190.60	180.59	1.31	MWD
9894.00	88.80	7873.32	2254.46	179.60	-2254.46	-23.05	2254.58	180.59	2.83	MWD
9957.00	90.30	7873.82	2317.45	178.50	-2317.45	-22.01	2317.55	180.54	2.95	MWD
10021.00	90.10	7873.60	2381.43	178.80	-2381.43	-20.50	2381.52	180.49	0.56	MWD
10084.00	90.00	7873.54	2444.42	178.90	-2444.42	-19.23	2444.50	180.45	0.22	MWD
10148.00	90.40	7873.32	2508.40	178.50	-2508.40	-17.78	2508.47	180.41	0.88	MWD
10211.00	90.70	7872.71	2571.38	178.80	-2571.38	-16.30	2571.43	180.36	0.67	MWD
10275.00	89.90	7872.38	2635.35	177.60	-2635.35	-14.29	2635.39	180.31	2.25	MWD
10339.00	88.80	7873.10	2699.26	176.60	-2699.26	-11.05	2699.28	180.23	2.32	MWD
10402.00	90.30	7873.60	2762.20	179.00	-2762.20	-8.63	2762.22	180.18	4.49	MWD
10466.00	90.20	7873.32	2826.19	178.50	-2826.19	-7.24	2826.20	180.15	0.80	MWD
10529.00	89.00	7873.76	2889.18	180.20	-2889.18	-6.52	2889.19	180.13	3.30	MWD
10592.00	90.60	7873.98	2952.18	180.60	-2952.18	-6.96	2952.18	180.14	2.62	MWD
10687.00	91.00	7872.65	3047.15	181.20	-3047.15	-8.45	3047.17	180.16	0.76	MWD
10783.00	90.80	7871.14	3143.13	180.30	-3143.13	-9.71	3143.15	180.18	0.96	MWD
10878.00	90.80	7869.82	3238.12	179.70	-3238.12	-9.71	3238.14	180.17	0.63	MWD
10974.00	91.40	7867.97	3334.10	180.60	-3334.10	-9.96	3334.12	180.17	1.13	MWD
11069.00	90.00	7866.81	3429.09	178.50	-3429.09	-9.21	3429.10	180.15	2.66	MWD
11164.00	89.50	7867.23	3524.04	177.90	-3524.04	-6.23	3524.04	180.10	0.82	MWD
11259.00	90.20	7867.48	3618.95	177.30	-3618.95	-2.25	3618.95	180.04	0.97	MWD
11355.00	87.80	7869.15	3714.75	175.70	-3714.75	3.61	3714.75	179.94	3.00	MWD
11419.00	87.00	7872.06	3778.53	176.40	-3778.53	8.01	3778.54	179.88	1.66	MWD
11513.00	89.20	7875.17	3872.35	177.70	-3872.35	12.84	3872.37	179.81	2.72	MWD
11608.00	91.40	7874.68	3967.31	179.40	-3967.31	15.25	3967.33	179.78	2.93	MWD
11703.00	88.30	7874.92	4062.29	179.10	-4062.29	16.49	4062.32	179.77	3.28	MWD
11798.00	92.70	7874.09	4157.25	181.60	-4157.25	15.91	4157.28	179.78	5.33	MWD
11862.00	92.20	7871.36	4221.16	181.70	-4221.16	14.07	4221.19	179.81	0.80	MWD
11957.00	92.20	7867.71	4316.07	180.60	-4316.07	12.17	4316.09	179.84	1.16	MWD
12021.00	92.80	7864.92	4380.01	179.90	-4380.01	11.89	4380.03	179.84	1.44	MWD
12116.00	92.40	7860.61	4474.89	182.40	-4474.89	9.98	4474.90	179.87	2.66	MWD
12211.00	90.80	7857.96	4569.79	181.50	-4569.79	6.75	4569.80	179.92	1.93	MWD
12307.00	90.80	7856.62	4665.73	182.30	-4665.73	3.57	4665.73	179.96	0.83	MWD
12383.00	88.80	7856.88	4741.67	181.90	-4741.67	0.78	4741.67	179.99	2.68	MWD
12428.00	88.80	7857.82	4786.64	181.90	-4786.64	-0.71	4786.64	180.01	0.00	Project

DAILY DRILLING REPORT

Oil Company	Devon Energy Corporation
Field	Eddy Co., NM
Location	West Hobbs,NM
AFE or PO #	134965

Customer	Devon Energy Corporation
Well Name & No	North Pure Gold 5 Federal # 2 H
Block or Section	Sec.5 -T23S-R31E
Rig Contractor & No	McVay Rig # 7

00 00 Depth	<u>4168</u>	Footage Today	<u>155</u>	Drlg Hrs Today	<u>4.75</u>	ROP Today	<u>32.63</u>	Last Casing Set	<u>9 5/8</u>
24 00 Depth	<u>4323</u>	Current Run Flg	<u>155</u>	Run Drlg Hrs	<u>4.75</u>	Run Avg ROP	<u>32.63</u>	Depth	<u>4168</u>
		Previous Run Flg	<u>0</u>	Run Drlg Hrs	<u>0</u>	Run Avg ROP	<u>#DIV/0!</u>		

PUMP Data Total Gals/Min = 389 886591				MUD DATA			BHA #	BHA #	MOTOR DATA	CURRENT	PREVIOUS
Pump	GD PZ 9	GD PZ 9	0	Mud Type	Water Base			1	Run No	1	
Liner (in)	6 1/2	6 1/2		Sample	IN	OUT		BIT	Size (in)	6 1/2	
%	95	95		Time				MOTOR 1 75	Type	6 7 5 0	
Vol (gals)	3 63	3 27	0 36	WT	8 4			Float Sub	Serial No	RY675048	
SPM	105			VIS	28			Muleshoe	Tool Deflection	1 75	
DRILLING PARAMETERS				PV				Monel	Avg Diff Press		
ST WT ROT 1000's	143			YP				Monel	Daily Drill Hrs	4 75	
P/U WT 1000's	144			WL				6 - DC	Daily Circ Hrs	0 5	
S/O WT 1000's	143			CL				45 - HWDP	Daily Total Hrs	5 25	0
WOB 1000's	12			Gels				JARS	Acc Drill Hrs	4 75	0
ROTARY RPM	45			% Oil				15 - HWDP	Acc Circ Hrs	0 5	0
MOTOR RPM	105			% Solids					Depth In	4168	
TOTAL Bit RPM	150	0		% Sand					Depth Out		
ROT TQ OFF BTM				PH					LIH Hrs	18	
ROT TQ ON BTM				Temp F					Acc LIH Hrs	18	0
Current Mag Dec				MWD F			BHA WT		Acc Hrs Cir/Drilg	5 25	0
Pulse Hight				GPM			BELOW JARS				
"G" Totals				PSI					Jar # HRS		

BIT DATA																
Bit No.	Size (in.)	Mfg.	Type	Serial No.	Nozzles or TFA	Depth In	Cum. Footage	Cum. Hrs.	Depth Out	DULL CONDITION						
										IR	OR	DC	LCC	B/S	G/16"	RPLD
1	8 3/4	Smith	MIG16MNPX	JX6078	15-15-15	4168		48								

[illegible]

Report No 2
Date M/Y/D 19-Nov-07



Ryan Job # 2979

DAILY DRILLING REPORT

Oil Company Devon Energy Corporation
Field Eddy Co., NM
Location West Hobbs, NM
AFE or PO # 134965

Customer Devon Energy Corporation
Well Name & No North Pure Gold 5 Federal # 2 H
Block or Section Sec.5 - T23S-R31E
Rig Contractor & No McVay Rig # 7

00 00 Depth 4323 Footage Today 1327 Drlg Hrs Today 22 ROP Today 60 32 Last Casing Set 9 5/8
24 00 Depth 5650 Current Run Ftg 1482 Run Drlg Hrs 26 75 Run Avg ROP 55 40 Depth 4168
Previous Run Ftg 0 Run Drlg Hrs 0 Run Avg ROP #DIV/0!

PUMP Data Total Gals/Min = 389.886591				MUD DATA			BHA #	BHA #	MOTOR DATA		CURRENT	PREVIOUS
Pump	GD PZ 9	GD PZ 9	0	Mud Type	Water Base			1	Run No		1	
Liner (in)	6 1/2	6 1/2		Sample	IN	OUT		BIT	Size (in)		6 1/2	
%	95	95		Time				MOTOR 175	Type		67 50	
Vol (gals)	3 63	3 27	0 00	Wt	8 4			Float Sub	Serial No		RY675048	
SPM	105			VIS	28			Muleshoe	Tool Deflection		175	
DRILLING PARAMETERS				PV				Monel	Avg Diff Press			
ST WT ROT 1000's	145			YP				Monel	Daily Drll Hrs		22	
P/U WT 1000's	147			WL				6 - DC	Daily Circ Hrs		1	
S/O WT 1000's	143			CL				45 - HWDP	Daily Total Hrs		23	0
WOB 1000's	12			Gels				JARS	Acc Drll Hrs		26 75	0
ROTARY RPM	45			% Oil				15 - HWDP	Acc Circ Hrs		15	0
MOTOR RPM	105			% Solids					Depth In		4168	
TOTAL Bit RPM	150	0		% Sand					Depth Out			
ROT TO OFF BTM				PH					LIH Hrs		24	
ROT TO ON BTM				Temp F					Acc LIH Hrs		42	0
Current Mag Dec				MWD F			BHA WT		Acc Hrs Cir/Drllg		28 25	0
Pulse Hight				GPM			BELOW JARS					
"G" Totals				PSI					Jar # HRS			

BIT DATA															
Bit No.	Size (in)	Mfg.	Type	Serial No.	Nozzles or TFA	Depth In	Cum. Footage	Cum. Hrs	Depth Out	IR	OR	DC	LOC	B/S	G/16"
1	8 3/4	Smith	MI616MNPX	JX6078	15-15-15	4168		26 8							
DULL CONDITION															
															RPLD

From	Hrs.	Start Depth	End Depth	CL	Code	Time Breakdown	Current Operations
0:00	0 75	4323	4355	32	2 A	ROTATE	
0:45	0 25				10	SURVEY @ 4305	
1:00	0 50	4355	4365	10	2 B	SLIDE MTF -315	
1:30	2 50	4365	4545	180	2 A	ROTATE	
4:00	0 25				10	SURVEY @ 4495	
4:15	0 25	4545	4557	12	2 B	SLIDE MTF -315	
4:30	0 50	4557	4577	20	2 A	ROTATE	
5:00	2 25	4577	4735	158	2 A	ROTATE	
7:15	0 25				10	SURVEY @ 4685	
7:30	0 25	4735	4745	10	2 B	SLIDE MTF -300	
7:45	2 75	4745	4925	180	2 A	ROTATE	
10:30	0 25				10	SURVEY @ 4875	
10:45	0 25	4925	4937	12	2 B	SLIDE MTF 300	
11:00	1 50	4937	5021	84	2 A	ROTATE	
12:30	0 25				10	SURVEY @ 4971	
12:45	0 25	5021	5033	12	2 B	SLIDE MTF 300	
13:00	1 50	5033	5116	83	2 A	ROTATE	
14:30	0 25				10	SURVEY @ 5066	
14:45	3 75	5116	5307	191	2 A	ROTATE	
18:30	0 25				10	SURVEY @ 5257	
18:45	3 00	5307	5498	191	2 A	ROTATE	
21:45	0 25				10	SURVEY @ 5448	
22:00	2 00	5498	5650	152	2 A	ROTATE	
							Estimated Daily Cost (USD) \$ -
							Accumulated Cost (USD) \$ -
							Company Representative (s)
							Jimmy Light
							RYAN Directional Representative (s)
							Larry Cheatwood
							RYAN MWD Representative (s)
							Charles Green
							Greg Cantrell
							24 Hour Breakdown
							Fig Rot 1271 Time Rot 20 5
							Fig Orient 56 Time Orient 1 5
							Rot ROP 62 00 Orient ROP 37 33

DAILY DRILLING REPORT

Oil Company	Devon Energy Corporation
Field	Eddy Co , NM
Location	West Hobbs,NM
AFE or PO #	134965

Customer	Devon Energy Corporation
Well Name & No	North Pure Gold 5 Federal # 2 H
Block or Section	Sec 5 -T23S-R31E
Rig Contractor & No	McVay Rig # 7

00 00 Depth	<u>5650</u>	Footage Today	<u>895</u>	Drig Hrs Today	<u>13 5</u>	ROP Today	<u>66 30</u>	Last Casing Set	<u>9 5/8</u>
24 00 Depth	<u>6545</u>	Current Run Ftg	<u>2377</u>	Run Drig Hrs	<u>40 25</u>	Run Avg ROP	<u>59 06</u>	Depth	<u>4168</u>
		Previous Run Ftg	<u>0</u>	Run Drig Hrs	<u>0</u>	Run Avg. ROP	<u>#DIV/0!</u>		

PUMP DATA: Total Gals/Min. = 371.476416				MUD DATA			BHA #	BHA #	MOTOR DATA	CURRENT	PREVIOUS
Pump	GD PZ 9	GC PZ 9	0	Mud Type	Water Base			1	Run No	1	
Liner (in)	6 1/2	6 1/2		Sample	IN	OUT		BIT	Size (in)	6 1/2	
%	95	95		Time				MOTOR 1 75	Type	6 7 5 0	
Vol (gals)	3 68	3 27	0 30	WT	8 4			Float Sub	Serial No	RY675048	
SPM	100			VIS	28			Muleshoe	Tool Deflection	1 75	
DRILLING PARAMETERS				PV				Monel	Avg Diff Press		
ST WT ROT 1000's	160			YP				Monel	Daily Drill Hrs	13 5	
P/U WT 1000's	165			WL				6 - DC	Daily Circ Hrs	2 25 13 5	
S/O WT 1000's	155			CL				45 - HWDP	Daily Total Hrs	15 75	0
WOB 1000's	12			Gels				JARS	Acc Drll Hrs	40 25	0
ROTARY RPM	50			% Oil				15 - HWDP	Acc Circ Hrs	3 75	0
MOTOR RPM	105			% Solids					Depth In	4168	
TOTAL Bit RPM	155	0		% Sand					Depth Out		
ROT TQ OFF BTM				PH					LH Hrs	24	
ROT TQ ON BTM				Temp F					Acc LH Hrs	66	0
Current Mag Dec				MWD F			BHA WT		Acc Hrs Cir/Drilg	44	0
Pulse Hight				GPM			BELOW JARS				
"G" Totals				PSI					Jar # HRS		

[illegible][illegible]

DAILY DRILLING REPORT

Oil Company	Devon Energy Corporation
Field	Eddy Co , NM
Location	West Hobbs,NM
AFE or PO #	134965

Customer	Devon Energy Corporation
Well Name & No	North Pure Gold 5 Federal # 2 H
Block or Section	Sec 5 -T23S-R31E
Rig Contractor & No	McVay Rig # 7

00 00 Depth	<u>6545</u>	Footage Today	<u>845</u>	Drig Hrs Today	<u>13 75</u>	ROP Today	<u>61 45</u>	Last Casing Set	<u>9 5/8</u>
24 00 Depth	<u>7390</u>	Current Run Ftg	<u>0</u>	Run Drig Hrs	<u>0</u>	Run Avg ROP	<u>#DIV/0!</u>	Depth	<u>4168</u>
		Previous Run Ftg	<u>3222</u>	Run Drig Hrs	<u>54</u>	Run Avg ROP	<u>59 67</u>		

PUMP Data Total Gals/Min = 371.476416				MUD DATA				BHA #	BHA #	MOTOR DATA	CURRENT	PREVIOUS
Pump	GD PZ 9	GD PZ 9	0	Mud Type	Water Base			2	1	Run No	2	1
Liner (in)	6 1/2	6 1/2		Sample	IN		OUT	BIT	BIT	Size (in)	6 1/2	6 1/2
%	95	95		Time				MOTOR 2 25	MOTOR 1 75	Type	6 7 5 0	6 7 5 0
Vol (gals)	3 63	3 27	0 0 0	WT	8 4			F S	Float Sub	Serial No	RY650625	RY675048
SPM	100			VIS	28			UBHO	Muleshoe	Tool Deflection	2 25	1 75
DRILLING PARAMETERS				PV				MONEL	Monel	Avg Diff Press		
ST WT ROT 1000's	185			YP				FLEX MONEL	Monel	Daily Drll Hrs		13 75
P/U WT 1000's	195			WL				30 - D P	6 - DC	Daily Circ Hrs		1 75
S/O WT 1000's	175			CL				45 - HWDP	45 - HWDP	Daily Total Hrs	0	15 5
WOB 1000's	12			Gels				JARS	JARS	Acc Drll Hrs	0	54
ROTARY RPM	50			% Oil				15 - HWDP	15 - HWDP	Acc Circ Hrs	0	5 5
MOTOR RPM	105			% Solids						Depth In	7390	4168
TOTAL Bit RPM	155	0		% Sand						Depth Out		7390
ROT TQ OFF BTM				PH						LIH Hrs	4	20
ROT TQ ON BTM				Temp F						Acc LIH Hrs	4	86
Current Mag Dec				MWD F				BHA WT		Acc Hrs Cir/Drllg	0	59 5
Pulse Hight				GPM				BELOW JARS				
"G" Totals				PSI						Jar # HRS		

BIT DATA																	
Bit No.	Size (in)	Mfg.	Type	Serial No.	Nozzles or TFA	Depth In	Cum. Footage	Cum. Hrs.	Depth Out.	DULL CONDITION							
										IR	OR	DC	LOC	B/S	G/16"	OC	RPLD
2	8 3/4	Smith	F47HY	PG9529	16-16-16	7390											
1	8 3/4	Smith	M1616MNPX	JX6078	15-15-15	4168	3222	59 5	7390	1	3	RR			1/32		

From	Hrs.	Start Depth	End Depth	CL	Code	Time Breakdown	Current Operations			
0 00	1 50	6545	6628	83	2 A	ROTATE				
1 30	0 25				10	SURVEY @ 6578				
1 45	3 00	6628	6818	190	2 A	ROTATE				
4 45	0 25				10	SURVEY @ 6768				
5 00	3 25	6818	7010	192	2 A	ROTATE				
8.15	0 25				10	SURVEY @ 6960				
8:30	2 75	7010	7201	191	2 A	ROTATE				
11 15	0 25				10	SURVEY @ 7151				
11:30	3 25	7201	7390	189	2 A	ROTATE	Estimated Daily Charges			
14:45	0 50				5 A	CIRC SWEEP OUT	Description		Cost	
15 15	0 25				10	SURVEY @ 7340				
15 30	3 50				6 G	TOH F/ BUILDING ASSEMBLY				
19 00	1 00				6 G	L/D D C.				
20 00	1 25				6 G	L/D P/U BHA				
21 15	0 50				5 A	TEST MWD				
21 45	0 25				6 G	P/U BIT				
22 00	0 50				6 A	TIH 10 STDS D P				
22 30	0 25				5 A	BROKE CIRC				
22 45	1 25				6 A	TIH 20 STDS HWDP				
							Estimated Daily Cost (USD) \$			
							Accumulated Cost (USD) \$			
							Company Representative (s)			
							Jimmy Light			
							RYAN Directional Representative (s)			
							Larry Cheatwood			
							Terry Bollinger			
							RYAN MWD Representative (s)			
							Charles Green			
							Greg Cantrell			
							24 Hour Breakdown			
							Ftg Rot 845		Time Rot 13 75	
							Ftg Orient 0		Time Orient 0	
							Rot ROP 61 45		Orient ROP #DIV/0!	

Report No 5
Date M/Y/D 22-Nov-07



Ryan Job # 2979

DAILY DRILLING REPORT

Oil Company **Devon Energy Corporation**
Field **Eddy Co., NM**
Location **West Hobbs, NM**
AFE or PO # **134965**

Customer **Devon Energy Corporation**
Well Name & No **North Pure Gold 5 Federal # 2 H**
Block or Section **Sec.5 - T23S-R31E**
Rig Contractor & No **McVay Rig # 7**

00 00 Depth **7390** Footage Today **382** Drlg Hrs Today **18.5** ROP Today **20.65** Last Casing Set **9:58**
24 00 Depth **7772** Current Run Flg **382** Run Drlg Hrs **18.5** Run Avg ROP **20.65** Depth **4168**
Previous Run Flg **0** Run Drlg Hrs **0** Run Avg ROP **#DIV/0!**

PUMP DATA Total Gals/Min = 371.476416				MUD DATA			BHA #	BHA #	MOTOR DATA	CURRENT	PREVIOUS
Pump	GD PZ 9	GD PZ 9	0	Mud Type	Water Base		2	1	Run No	2	
Liner (in)	6 1/2	6 1/2		Sample	IN	OUT	BIT	BIT	Size (in)	6 1/2	
%	95	95		Time			MOTOR 2 25	MOTOR 1 75	Type	6 7 5 0	
Vol. (gals)	3.63	3.27	0.36	Wt	8.4		F S	Float Sub	Serial No	RY650625	
SPM	100			VIS	28		UBHO	Muleshoe	Tool Deflection	2 25	
DRILLING PARAMETERS											
ST WT ROT 1000's	185			PV			MONEL	Monel	Avg Diff Press		
P/U WT 1000's	195			YP			FLEX MONEL	Monel	Daily Drll Hrs	18.5	
S/O WT 1000's	175			WL			30 - D P	6 - DC	Daily Circ Hrs	3.5	
WOB 1000's	12			CL			45 - HWDP	45 - HWDP	Daily Total Hrs	22	0
ROTARY RPM	50			Gels			JARS	JARS	Acc Drll Hrs	18.5	0
MOTOR RPM	105			% Oil			15 - HWDP	15 - HWDP	Acc Circ Hrs	3.5	0
TOTAL Bit RPM	155	0		% Solids					Depth In	7390	
ROT TQ OFF BTM				% Sand					Depth Out		
ROT TQ ON BTM				PH					LIH Hrs	24	
Current Mag Dec				Temp F					Acc LIH Hrs	24	0
Pulse Hight				MWD F			BHA WT		Acc Hrs Cir/Drllg	22	0
"G" Totals				GPM			BELOW JARS				
				PSI					Jar # HRS		

BIT DATA																
Bit No.	Size (in)	Mfg.	Type	Serial No.	Nozzles or TFA	Depth In	Cum. Footage	Cum. Hrs.	Depth Out	DULL CONDITION						
										IR	OR	DC	LOC	B/S	G/16"	OC
2	8 3/4	Smith	F47HY	PG9529	16-16-16	7390										
1	8 3/4	Smith	MI616MNPX	JX6078	15-15-15	4168	3222	59 5	7390	1	3	RR			1/32	

From	Hrs	Start Depth	End Depth	CL	Code	Time Breakdown	Current Operations
0:00	0:25				5.A	BROKE CIRC	BUILDING CURVE
0:15	1:00				6.A	TIH 15 STDS D.P	
1:15	0:25				5.A	BROK CIRC/TEST MWD	
1:30	0:75				6.A	TIH 16 STANDS	
2:15	0:50				6.A	P/U 5 JNTS D.P	
2:45	0:25				5.A	BROKE CIRC	
3:00	0:50	7390	7394	4	2.A	ROTATE	
3:30	1:50	7394	7415	21	2.B	SLIDE MTF 180	
5:00	0:50	7415	7421	6	2.B	SLIDE MTF 180	Estimated Daily Charges
5:30	0:25	7421	7426	5	2.A	ROTATE	Description Cost
5:45	1:75	7426	7453	27	2.B	SLIDE MTF 180	
7:30	0:25	7453	7458	5	2.A	ROTATE	
7:45	0:25				10	SURVEY @ 7407	
8:00	2:00	7458	7490	32	2.B	SLIDE MTF 180	
10:00	0:25				10	SURVEY @ 7439	
10:15	0:75	7490	7514	24	2.B	SLIDE GTF 350	
11:00	0:25	7514	7520	6	2.A	ROTATE	
11:15	0:25				10	SURVEY @ 7469	
11:30	0:50	7520	7546	26	2.B	SLIDE GTF 350	
12:00	0:50	7546	7552	6	2.A	ROTATE	
12:15	0:25				10	SURVEY @ 7501	
12:30	1:25	7552	7576	24	2.B	SLIDE GTF 360	
13:45	0:25	7576	7584	8	2.A	ROTATE	Estimated Daily Cost (USD) \$
14:00	0:25				10	SURVEY @ 7533	Accumulated Cost (USD) \$
14:15	0:75	7584	7606	22	2.B	SLIDE GTF 10	Company Representative (s)
15:00	0:25	7606	7614	8	2.A	ROTATE	Jimmy Light
15:15	0:25				10	SURVEY @ 7563	
15:30	1:00	7614	7638	24	2.B	SLIDE GTF 10	RYAN Directional Representative (s)
16:30	0:25	7638	7646	8	2.A	ROTATE	Larry Cheatwood
16:45	0:25				10	SURVEY @ 7595	Terry Bollinger
17:00	0:50	7646	7668	22	2.B	SLIDE GTF 10	RYAN MWD Representative (s)
17:30	0:25	7668	7676	8	2.A	ROTATE	Charles Green
17:45	0:25				10	SURVEY @ 7625	Greg Cantrell
18:00	1:25	7676	7696	20	2.B	SLIDE GTF 360	24 Hour Breakdown
19:15	0:75	7696	7708	12	2.A	ROTATE	Flg Rot 70 Time Rot 3.5
20:00	4:00						Flg Onent 248 Time Onent 11.75
							Rot ROP 20.00 Onent ROP 21.11

Report No 6
Date M/Y/D 23-Nov-07



Ryan Job # 2979

DAILY DRILLING REPORT

Oil Company Devon Energy Corporation
Field Eddy Co., NM
Location West Hobbs, NM
AFE or PO # 134965

Customer Devon Energy Corporation
Well Name & No North Pure Gold 5 Federal # 2 H
Block or Section Sec 5 -T23S-R31E
Rig Contractor & No McVay Rig # 7

00 00 Depth 7772 Footage Today 314 Drlg Hrs Today 21 25 ROP Today 14 78 Last Casing Set 9 5/8
24 00 Depth 8086 Current Run Ftg 696 Run Drlg Hrs 39 75 Run Avg ROP 17 51 Depth 4168
Previous Run Ftg 0 Run Drlg Hrs 0 Run Avg ROP #DIV/0!

PUMP Data Total Gals/Min = <u>371.476416</u>				MUD DATA			BHA #	BHA #	MOTOR DATA	CURRENT	PREVIOUS
FLTRP	GD PZ 9	GD PZ 9		Mud Type	Water Base		2	1	Run No	2	
Liner (in)	6 - 1/2	6 - 1/2		Sample	IN	OUT	BIT	BIT	Size (in)	6 1/2	
%	95	95		Time			MOTOR 2 25	MOTOR 1 75	Type	6 7 5 0	
Vol (gms)	3 63	3 27	0 50	Wt	8 4		F S	Float Sub	Serial No	RY650625	
SPM	100			VIS	28		UBHO	Muleshoe	Tool Deflection	2 25	
DRILLING PARAMETERS				PV			MONEL	Monel	Avg Diff Press		
ST WT ROT 1000's		185		YP			FLEX MONEL	Monel	Daily Drill Hrs	21 25	
P/U WT 1000's		195		WL			30 - D P	6 - DC	Daily Circ Hrs	2 25	
S/O WT 1000's		175		CL			45 - HWDP	45 - HWDP	Daily Total Hrs	23 5	0
WOB 1000's		12		Gels			JARS	JARS	Acc. Drill Hrs	39 75	0
ROTARY RPM		50		% Oil			15 - HWDP	15 - HWDP	Acc. Circ Hrs	5 75	0
MOTOR RPM		105		% Solids					Depth In	7390	
TOTAL Bit RPM		155	0	% Sand					Depth Out		
ROT TQ OFF BTM				PH					LIH Hrs	24	
ROT TQ ON BTM				Temp F					Acc LIH Hrs	48	0
Current Mag Dec				MWD F			BHA WT		Acc Hrs Cir/Drilg	45 5	0
Pulse Hight				GPM			BELOW JARS				
G Totals				PSI					Jar # HRS		

BIT DATA																	
Bit No.	Size (in)	Mfg	Type	Serial No.	Nozzles or TFA	Depth In	Cum. Footage	Cum. Hrs.	Depth Out	DULL CONDITION							
										IR	OR	DC	LOC	B/S	G/16"	OC	RPLD
2	8 3/4	Smith	F47HY	PG9529	16-16-16	7390											
1	8 3/4	Smith	M1616MNPX	JX6078	15-15-15	4168	3222	59 5	7390	1	3	RR			1/32		

From	Hrs.	Start Depth	End Depth	CL	Code	Time Breakdown	Current Operations
0 00	1 25	7772	7790	18	2 B	SLIDE GTF 360	BUILDING CURVE
1 15	0 75	7790	7804		2 A	ROTATE	
2 00	0 25				10	SURVEY @ 7753	
2 15	0 75	7804	7822	18	2 B	SLIDE GTF 360	
3 00	0 50	7822	7835	13	2 a	ROTATE	
3 30	0 25				10	SURVEY @ 7784	
3 45	0 75	7835	7852	17	2 A	SLIDE GTF 360	
4 30	0 50	7852	7866	14	2 A	ROTATE	
5 00	0 25				10	SURVEY @ 7815	Estimated Daily Charges
5 15	2 25	7866	7883	17	2 B	SLIDE GTF 360	Description Cost
7 30	0 75	7883	7897	14	2 A	ROTATE	
8 15	0 25				10	SURVEY @ 7846	
8 30	1 25	7897	7914	17	2 B	SLIDE GTF 350	
9 45	0 75	7914	7929	15	2 A	ROTATE	
10 30	0 25				10	SURVEY @ 7878	
10 45	1 50	7929	7951	22	2 B	SLIDE GTF 350	
12 15	0 50	7953	7961	8	2 A	ROTATE	
12 45	0 50				7	SER RIG	
13 15	0 25				10	SURVEY @ 7910	
13 30	2 25	7961	7987	26	2 B	SLIDE GTF 360	
15 45	0 25	7987	7993	6	2 A	ROTATE	
16 00	0 25				10	SURVEY @ 7942	
16 15	2 50	7993	8024	31	2 B	SLIDE GTF 360	Estimated Daily Cost (USD) \$ -
18 45	0 25				10	SURVEY @ 7973	Accumulated Cost (USD) \$ -
19 00	2 75	8024	8055	31	2 B	SLIDE GTF 360	Company Representative (s)
21 45	0 25				10	SURVEY @ 8004	Jimmy Light
22 00	2 00	8055	8086	31	2 B	SLIDE GTF 360	
							RYAN Directional Representative (s)
							Larry Cheatwood
							Terry Bollinger
							RYAN MWD Representative (s)
							Charles Green
							Greg Cantrell
							24 Hour Breakdown
						Fig Rot 87	Time Rot 4 75
						Ftg Orient 211	Time Orient 16 5
						Rot ROP 18 32	Orient ROP 12 79

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DAILY DRILLING REPORT

Oil Company	Devon Energy Corporation
Field	Eddy Co., NM
Location	West Hobbs, NM
AFE or PO #	134965

Customer	Devon Energy Corporation
Well Name & No	North Pure Gold 5 Federal # 2 H
Block or Section	Sec.5 -T23S-R31E
Rig Contractor & No	McVay Rig # 7

00 00 Depth	<u>8127</u>	Footage Today	<u>0</u>	Drlg Hrs Today	<u>0</u>	ROP Today	<u>#DIV/0!</u>	Last Casing Set	<u>9 5/8</u>
24 00 Depth	<u>8127</u>	Current Run Ftg	<u>8127</u>	Run Drlg Hrs	<u>0</u>	Run Avg ROP	<u>#DIV/0!</u>	Depth	<u>4168</u>
		Previous Run Ftg	<u>0</u>	Run Drlg Hrs	<u>0</u>	Run Avg ROP	<u>#DIV/0!</u>		

PUMP DATA Total Gals/Min				MUD DATA				BHA #	BHA #	MOTOR DATA	CURRENT	PREVIOUS
Pump	GD PZ 9	GD PZ 9	0	Mud Type	Water Base					Run No		
Liner (in)	6 1/2	6 1/2		Sample	IN		OUT			Size (in)		
%	95	95		Time						Type		
Vol (gms)	3.63	3.27	0.00	WT						Serial No		
SPM				VIS						Tool Deflection		
DRILLING PARAMETERS				PV						Avg Diff Press		
ST WT ROT 1000's				YP						Daily Drll Hrs		
P/U WT 1000's				WL						Daily Circ Hrs		
S/O WT 1000's				CL						Daily Total Hrs	0	0
WOB 1000's				Gels						Acc Drll Hrs	0	0
ROTARY RPM				% Oil						Acc Circ Hrs	0	0
MOTOR RPM				% Solids						Depth In		
TOTAL Bit RPM		0	0	% Sand						Depth Out		
ROT TQ OFF BTM				PH						LIH Hrs		
ROT TQ ON BTM				Temp F						Acc LIH Hrs	0	0
Current Mag Dec				MWD F				BHA WT		Acc Hrs Cir/Dnlg	0	0
Pulse Hight				GPM				BELOW JARS				
"G" Totals				PSI						Jar # HRS		

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DAILY DRILLING REPORT

Oil Company	Devon Energy Corporation
Field	Eddy Co , NM
Location	West Hobbs,NM
AFE or PO #	134965

Customer	Devon Energy Corporation
Well Name & No	North Pure Gold 5 Federal # 2 H
Block or Section	Sec.5 -T23S-R31E
Rig Contractor & No	McVay Rig # 7

00 00 Depth	<u>8127</u>	Footage Today	<u>0</u>	Drig Hrs Today	<u>0</u>	ROP Today	<u>#DIV/0!</u>	Last Casing Set	<u>7</u>
24 00 Depth	<u>8127</u>	Current Run Ftg	<u>0</u>	Run Drig Hrs	<u>0</u>	Run Avg ROP	<u>#DIV/0!</u>	Depth	<u>8118</u>
		Previous Run Ftg	<u>0</u>	Run Drig Hrs	<u>0</u>	Run Avg ROP	<u>#DIV/0!</u>		

PUMP Data Total Gals/Min =				MUD DATA				BHA #	BHA #	MOTOR DATA	CURRENT	PREVIOUS
Flow	GD FZ 9	GD FZ 9	0	Mud Type	Water Base				3	Run No	3	
Liner (in)	6 1/2	6 1/2		Sample	IN		OUT		6 1/8 PDC	Size (in)	4 3/4	
%	95	95		Time					MOTOR 175	Type	7 8 3 8	
Vol (gals)	3 63	3 21	0 0 0	WT					Float Sub	Serial No	RY475417	
SPM				VIS					Muleshoe	Tool Deflection	1.75	
DRILLING PARAMETERS				PV					Monel	Avg Diff Press		
ST WT ROT 1000's				YP					Flex Monel	Daily Drill Hrs		
P/U WT 1000's				WL						Daily Circ Hrs.	0 25	
S/O WT 1000's				CL						Daily Total Hrs	71075	0
WOB 1000's				Gels						Acc Drill Hrs	0	0
ROTARY RPM				% Oil						Acc Circ Hrs	0 25	0
MOTOR RPM				% Solids						Depth In	8127	
TOTAL Bit RPM				% Sand						Depth Out		
ROT TQ OFF BTM				PH						LIH Hrs	2	
ROT TQ ON BTM				Temp F						Acc LIH Hrs	2	0
Current Mag Dec				MWD F				BHA WT		Acc Hrs Cir/Drilg	0 25	0
Pulse Hight				GPM				BELOW JARS				
"G" Totals				PSI						Jar # HRS		

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Report No <u>11</u>		Ryan The leader in UNDERGROUND INTELLIGENCE™		Ryan Job # <u>2979</u>	
Date M/Y/D <u>28-Nov-07</u>					
DAILY DRILLING REPORT					
Oil Company <u>Devon Energy Corporation</u>		Customer <u>Devon Energy Corporation</u>			
Field <u>Eddy Co., NM</u>		Well Name & No. <u>North Pure Gold 5 Federal # 2 H</u>			
Location <u>West Hobbs, NM</u>		Block or Section <u>Sec.5 -T23S-R31E</u>			
AFE or PO # <u>134965</u>		Rig Contractor & No <u>McVay Rig # 7</u>			
00 00 Depth <u>8514</u>		Footage Today <u>894</u>		Drlg Hrs Today <u>19 75</u>	
24 00 Depth <u>9408</u>		Current Run Flg <u>1281</u>		Run Avg ROP <u>44 95</u>	
		Previous Run Flg <u>0</u>		Run Avg ROP <u>#DIV/0!</u>	
				Last Casing Set <u>7"</u>	
				Depth <u>8118</u>	

PUMP Data Total Gals/Min <u>411 535795</u>				MUD DATA				BHA #	BHA #	MOTOR DATA	CURRENT	PREVIOUS
Pump	GD PZ 9	GD PZ 9	0	Mud Type	Water Base				3	Run No	3	
Liner (in)	5	5		Sample	IN		OUT		6 1/8 PDC	Size (in)	4 3/4	
%	95	95		Time					MOTOR 1 75	Type	7 8 3 8	
Vol (gpm)	2 1/3	1 9/16	0 1/2	Wt					Float Sub	Serial No	RY475417	
SPM	100	100		VIS					Muleshoe	Tool Deflection	1 75	
DRILLING PARAMETERS				PV					Monel	Avg Diff Press		
ST WT ROT 1000's		163		YP					Flex Monel	Daily Drill Hrs	19 75	
P/U WT 1000's		166		WL					159 - 3 1/2 D P	Daily Circ Hrs	3 25	
S/O WT 1000's		155		CL					21 - HWDP	Daily Total Hrs	23	0
WOB 1000's		10		Gels					50 - 4 3/4 D C	Acc Drill Hrs	28 5	0
ROTARY RPM		50		% Oil						Acc Circ Hrs	4 5	0
MOTOR RPM		109		% Solids						Depth In	8127	
TOTAL Bit RPM		159	0	% Sand						Depth Out		
ROT TQ OFF BTM				PH						LIH Hrs	24	
ROT TQ ON BTM				Temp F						Acc LIH Hrs	50	0
Current Mag Dec				MWD F				BHA WT		Acc Hrs Cir/Drilg	33	0
Pulse Hight				GPM				BELOW JARS				
"G" Totals				PSI						Jar # HRS		

BIT DATA																	
Bit No.	Size (in)	Mfg.	Type	Serial No.	Nozzles or TFA	Depth In	Cum. Footage	Cum. Hrs.	Depth Out	DULL CONDITION							
										IR	OR	DC	LOC	B/S	G/16"	OC	RPLD
5	6 1/8	STC	M516LWPX	JX8277	2-15/3-13	8127											

From	Hrs.	Start Depth	End Depth	CL	Code	Time Breakdown	Current Operations
0 00	0 25				10	SURVEY @ 8469	
0 15	1 00	8514	8524	10	2.B	SLIDE GTF 20	Drilling Ahead
1 15	1 00	8524	8578	54	2.A	ROTATE	
2 15	0 25				10	SURVEY @ 8533	
2 30	0 75	8578	8588	10	2.B	SLIDE GTF 30	
3 15	1 00	8588	8641	53	2.A	ROTATE	
4 15	0 25				10	SURVEY @ 8596	
4 30	0 50	8641	8653	12	2.B	SLIDE GTF 90	
5 00	1 50	8653	8735	82	2.A	ROTATE	Estimated Daily Charges
6 30	0 25				10	SURVEY @ 8690	Description Cost
6 45	1 75	8735	8830	95	2.A	ROTATE	
8 30	0 25				10	SURVEY @ 8785	
8 45	0 50	8830	8842	12	2.B	SLIDE GTF 70	
9 15	1 00	8842	8894	52	2.A	ROTATE	
10 15	1 00				6.G	SHORT TRIP (8 STDS.)	
11 15	0 50	8894	8926	32	2.A	ROTATE	
11 45	0 25				10	SURVEY @ 8881	
12 00	1 25	8926	9021	95	2.A	ROTATE	
13 15	0 25				10	SURVEY @ 8976	
13 30	0 25	9021	9028	7	2.B	SLIDE GTF 30	
13 45	1 00	9028	9084	56	2.A	ROTATE	
14 45	0 25				10	SURVEY @ 9039	
15 00	0 25	9084	9094	10	2.B	SLIDE GTF 100	Estimated Daily Cost (USD) \$
15 15	1 50	9094	9147	53	2.A	ROTATE	Accumulated Cost (USD) \$
16 45	0 25				10	SURVEY @ 9102	Company Representative (s)
17 00	0 50	9147	9157	10	2.B	SLIDE GTF 120	Jimmy Light
17 30	1 00	9157	9210	53	2.A	ROTATE	
18 30	0 25				10	SURVEY @ 9165	RYAN Directional Representative (s)
18 45	0 50	9210	9220	10	2.B	SLIDE GTF 60	Larry Cheatwood
19 15	1 00	9220	9273	53	2.A	ROTATE	Terry Bollinger
20 15	0 25				10	SURVEY @ 9228	RYAN MWD Representative (s)
20 30	0 50	9273	9283	10	2.B	SLIDE GTF 40	Charles Green
21 00	1 25	9283	9336	53	2.A	ROTATE	Greg Cantrell
22 15	0 25				10	SURVEY @ 9291	24 Hour Breakdown
22 30	0 75	9336	9400	64	2.A	ROTATE	Flg Rot 795 Time Rot 14 5
23 15	0 75						Flg Onent 91 Time Onent 4 75
							Rot ROP 54 83 Onent ROP 19 16

DAILY DRILLING REPORT

Oil Company	Devon Energy Corporation
Field	Eddy Co., NM
Location	West Hobbs, NM
AFE or PO #	134965

Customer	Devon Energy Corporation
Well Name & No	North Pure Gold 5 Federal # 2 H
Block or Section	Sec.5 -T23S-R31E
Rig Contractor & No	McVay Rig # 7

00 00 Depth	8514	Footage Today	894	Drig Hrs Today	19 75	ROP Today	45 27	Last Casing Set	7
24 00 Depth	9408	Current Run Ftg	1281	Run Drig Hrs	28 5	Run Avg ROP	44 95	Depth	8118
		Previous Run Ftg	0	Run Drig Hrs	0	Run Avg ROP	#DIV/0!		

PUMP Data Total Gals/Min = 411.535795			MUD DATA			BHA #	BHA #	MOTOR DATA	CURRENT	PREVIOUS
Pump	GD PZ 9	GD PZ 9	0	Mud Type	Water Base		3	Run No	3	
Liner (in)	5	5		Sample	IN		OUT	6 1/8 PDC	Size (in)	4 3/4
%	95	95		Time				MOTOR 1 75	Type	7 8 3 8
Vol (ggs)	2 3	1 9	0 5 0	WT				Float Sub	Serial No	RY475417
SPM	100	100		VIS				Muleshoe	Tool Deflection	1 75
DRILLING PARAMETERS				PV				Monel	Avg Drif Press	
ST WT ROT 1000's	163			YP				Flex Monel	Daily Drlll Hrs	19 75
P/U WT 1000's	166			WL				159 - 3 1/2 D P	Daily Circ Hrs	3 25
S/O WT 1000's	155			CL				21 - HWDP	Daily Total Hrs	23
WOB 1000's	10			Gels				50 - 4 3/4 D C	Acc Drlll Hrs	28 5
ROTARY RPM	50			% Oil					Acc Circ Hrs	4 5
MOTOR RPM	109			% Solids					Depth In	8127
TOTAL Bit RPM	159	0		% Sand					Depth Out	
ROT TQ OFF BTM				PH					LIH Hrs	5
ROT TQ ON BTM				Temp F					Acc LIH Hrs	31
Current Mag Dec				MWD F			BHA WT		Acc Hrs Cir/Drllg	33
Pulse Hight				GPM			BELOW JARS			
"G" Totals				PSI					Jar # HRS	

[illegible][illegible]

Report No 12
Date M/Y/D 29-Nov-07



Ryan Job # 2979

DAILY DRILLING REPORT

Oil Company **Devon Energy Corporation**
Field **Eddy Co., NM**
Location **West Hobbs, NM**
AFE or PO # **134965**

Customer **Devon Energy Corporation**
Well Name & No **North Pure Gold 5 Federal # 2 H**
Block or Section **Sec.5 - T23S-R31E**
Rig Contractor & No **McVay Rig # 7**

00 00 Depth 9408 Footage Today 760 Drilg Hrs Today 20 ROP Today 38 00 Last Casing Set 7"
24 00 Depth 10168 Current Run Flg 2041 Run Drilg Hrs 48 5 Run Avg ROP 42 08 Depth 8118
Previous Run Flg 0 Run Drilg Hrs 0 Run Avg ROP #DIV/0!

PUMP Data Total Gals/Min = 411.535795				MUD DATA			BHA #	BHA #	MOTOR DATA	CURRENT	PREVIOUS
PLNG	3D PZ 9	GD PZ 9	0	Mud Type	Water Base			3	Run No	3	
Liner (in)	5	5		Sample	IN	OUT		6 1/8 PDC	Size (in)	4 3/4	
%	95	95		Time				MOTOR 1 75	Type	7 8 3 8	
Vol (gals)	2 3	1 94	0 50	WI				Float Sub	Serial No	RY475417	
SPM	100	100		VIS				Muleshoe	Tool Deflection	1 75	
DRILLING PARAMETERS				PV				Monel	Avg Drif Press		
ST WT ROT 1000's	163			YP				Flex Monel	Daily Drill Hrs	20	
P/U WT 1000's	166			WL				159 - 3 1/2 D P	Daily Circ Hrs	2 75	
S/O WT 1000's	155			CL				21 - HWDP	Daily Total Hrs	22 75	0
WOB 1000's	10			Gels				50 - 4 3/4 D C	Acc Drill Hrs	48 5	0
ROTARY RPM	50			% Oil					Acc Circ Hrs	7 25	0
MOTOR RPM	109			% Solids					Depth In	8127	
TOTAL Bit RPM	159	0		% Sand					Depth Out		
ROT TO OFF BTM				PH					LIH Hrs	24	
ROT TO ON BTM				Temp F					Acc LIH Hrs	74	0
Current Mag Dec				MWD F			BHA WT		Acc Hrs Cir/Drilg	55 75	0
Pulse Hight				GPM			BELOW JARS				
"G" Totals				PSI					Jar # HRS		

BIT DATA														
Bit No.	Size (in)	Mfg.	Type	Serial No.	Nozzles or TFA	Depth In	Cum. Footage	Cum. Hrs	Depth Out	IR	OR	DC	LOC	B/S
5	6 1/8	STC	M516LWPX	JX8277	2-15/3-13	8127								G/16"
DULL CONDITION														
														RPLD

From	Hrs.	Start Depth	End Depth	CL	Code	Time Breakdown	Current Operations
0.00	1 25	9408	9464	56	2 A	ROTATE	Drilling Ahead
1 15	0 25			10	10	SURVEY @ 9419	
1 30	1 00	9464	9526	62	2 A	ROTATE	
2 30	0 25			10	10	SURVEY @ 9481	
2 45	0 25	9526	9536	10	2 B	SLIDE GTF 210	
3 00	1 00	9536	9590	54	2 A	ROTATE	Estimated Daily Charges
4 00	0 25			10	10	SURVEY @ 9545	
4 15	0 50	9590	9600	10	2 B	SLIDE GTF 240	
4 45	1 75	9600	9685	85	2 A	ROTATE	
6 30	0 25			10	10	SURVEY @ 9640	
6 45	0 25	9685	9695	10	2 B	SLIDE GTF 300	Estimated Daily Cost (USD) \$
7 00	1 25	9695	9748	53	2 A	ROTATE	
8 15	0 25			10	10	SURVEY @ 9703	
8 30	0 25	9748	9753	5	2 B	SLIDE GTF 320	
8 45	1 00	9753	9797	44	2 A	ROTATE	
9 45	1 25			6 G	6 G	Short Trp (17Stds)	Accumulated Cost (USD) \$
11 00	0 50	9797	9812	15	2 A	ROTATE	
11 30	0 25			10	10	SURVEY @ 9767	
11 45	0 50	9812	9822	10	2 B	SLIDE GTF 320	
12 15	0 75	9822	9875	53	2 A	ROTATE	
13 00	0 25			10	10	SURVEY @ 9830	Company Representative (s)
13 15	1 00	9875	9887	12	2 B	SLIDE GTF 320	
14 15	1 50	9887	9939	52	2 A	ROTATE	
15 45	0 25			10	10	SURVEY @ 9894	
16 00	0 50	9939	9949	10	2 B	SLIDE GTF 330	
16 30	1 00	9949	10002	53	2 A	ROTATE	RYAN Directional Representative (s)
17 30	0 25			10	10	SURVEY @ 9957	
17 45	0 50	10002	10012	10	2 B	SLIDE GTF 30	
18 15	1 50	10012	10066	54	2 A	ROTATE	
19 45	0 25			10	10	SURVEY @ 10021	
20 00	1 25	10066	10076	10	2 B	SLIDE GTF 30	RYAN MWD Representative (s)
21 15	1 50	10076	10129	53	2 A	ROTATE	
22 45	0 25			10	10	SURVEY @ 10084	
23 00	1 00	10129	10168	39	2 A	ROTATE	
24 Hour Breakdown							
Flg Rot	673	Time Rot	15				
Flg Onent	87	Time Onent	5				
Rot ROP	44 87	Onent ROP	17 40				

Report No 13
Date M/Y/D 30-Nov-07



Ryan Job # 2979

DAILY DRILLING REPORT

Oil Company **Devon Energy Corporation**
Field **Eddy Co., NM**
Location **West Hobbs, NM**
AFE or PO # **134965**

Customer **Devon Energy Corporation**
Well Name & No **North Pure Gold 5 Federal # 2 H**
Block or Section **Sec.5 - T23S-R31E**
Rig Contractor & No **McVay Rig # 7**

00 00 Depth 10168 Footage Today 787 Drig Hrs Today 18 75 ROP Today 41 97 Last Casing Set 7"
24 00 Depth 10955 Current Run Ftg 2828 Run Drig Hrs 67 25 Run Avg ROP 42 05 Depth 8118
Previous Run Ftg 0 Run Drig Hrs 0 Run Avg ROP #DIV/0!

PUMP Data Total Gals/Min = 411.535795				MUD DATA			BHA #	BHA #	MOTOR DATA	CURRENT	PREVIOUS
P.L.m.p.	GD PZ 9	GD PZ 9	0	Mud Type	Water Base			3	Run No	3	
Liner (in)	5	5		Sample	IN	OUT		6 1/8 PDC	Size (in)	4 3/4	
%	95	95		Time				MOTOR 1 75	Type	7 8 3 8	
Vol (gals)	2 7 8	1 9 4	0 0 0	Wt				Float Sub	Serial No	RY475417	
SPM	100	100		VIS				Muleshoe	Tool Deflection	1 75	
DRILLING PARAMETERS				PV				Monel	Avg Diff Press		
ST WT ROT 1000's		163		YP				Flex Monel	Daily Drill Hrs	18 75	
P/U WT 1000's		166		WL				159 - 3 1/2 D P	Daily Circ Hrs	3	
S/O WT 1000's		155		CL				21 - HWDP	Daily Total Hrs	21 75	0
WOB 1000's		10		Gels				50 - 4 3/4 D C	Acc Drill Hrs.	67 25	0
ROTARY RPM		50		% Oil					Acc Circ Hrs	10 25	0
MOTOR RPM		109		% Solids					Depth In	8127	
TOTAL Bit RPM		159	0	% Sand					Depth Out		
ROT TQ OFF BTM				PH					LIH Hrs	24	
ROT TQ ON BTM				Temp F					Acc LIH Hrs	98	0
Current Mag Dec				MWD F			BHA WT		Acc Hrs Cir/Drig	77 5	0
Pulse Hight				GPM			BELOW JARS				
G" Totals				PSI					Jar # HRS		

BIT DATA														DULL CONDITION			
Bit No.	Size (in)	Mfg.	Type	Serial No.	Nozzles or TFA	Depth In	Cum. Footage	Cum. Hrs	Depth Out	IR	OR	DC	LOC	B/S	G/16"	OC	RPLD
5	6 1/8	STC	M516LWPX	JX8277	2-15/3-13	8127											

From	Hrs.	Start Depth	End Depth	CL	Code	Time Breakdown	Current Operations
0:00	0:50	10168	10193	25	2 A	ROTATE	
0:30	0:25				10	SURVEY @ 10148	Drilling Ahead
0:45	1:50	10193	10256	63	2 A	ROTATE	
2:15	0:25				10	SURVEY @ 10211	
2:30	1:50	10256	10320	64	2 A	ROTATE	
4:00	0:25				10	SURVEY @ 10275	
4:15	0:75	10320	10328	8	2 B	SLIDE GTF 50	
5:00	1:00	10328	10384	56	2 A	ROTATE	
6:00	0:25				10	SURVEY @ 10339	Estimated Daily/Charges
6:15	0:50	10384	10396	12	2 B	SLIDE GTF 50	Description Cost
6:45	1:00	10396	10447	51	2 A	ROTATE	
7:45	0:25				10	SURVEY @ 10402	
8:00	1:00	10447	10511	64	2 A	ROTATE	
9:00	0:25				10	SURVEY @ 10466	
9:15	0:75	10511	10521	10	2 B	SLIDE GTF 80	
10:00	1:50	10521	10574	53	2 A	ROTATE	
11:30	0:25				10	SURVEY @ 10529	
11:45	0:50	10574	10584	10	2 B	SLIDE GTF 40	
12:15	1:25	10584	10637	53	2 A	ROTATE	
13:30	0:25				10	SURVEY @ 10592	
13:45	2:00	10637	10732	95	2 A	ROTATE	
15:45	0:25				10	SURVEY @ 10687	
16:00	2:00				6 G	SHORT TRIP (27 Stds)	Estimated Daily Cost (USD) \$
18:00	0:25				6 G	ON BOTTOM	Accumulated Cost (USD) \$
18:15	0:25				5 A	BROKE CIRC	Company Representative(s)
18:30	2:25	10732	10828	96	2 A	ROTATE	Jimmy Light
20:45	0:25				10	SURVEY @ 10783	RYAN Directional Representative(s)
21:00	2:00	10828	10923	95	2 A	ROTATE	Larry Cheatwood
23:00	0:25				10	SURVEY @ 10878	Terry Bollinger
23:15	0:75	10923	10955	32	2 A	ROTATE	RYAN MWD Representative(s)
							Charles Green
							Greg Cantrell
							24 Hour Breakdown
							Ftg Rot 747 Time Rot 16 25
							Ftg Onent 40 Time Onent 2 5
							Rot ROP 45 97 Onent ROP 16 00

Report No 14
Date M/Y/D 01-Dec-07



Ryan Job # 2979

DAILY DRILLING REPORT

Oil Company **Devon Energy Corporation**
Field **Eddy Co., NM**
Location **West Hobbs, NM**
AFE or PO # **134965**

Customer **Devon Energy Corporation**
Well Name & No **North Pure Gold 5 Federal # 2 H**
Block or Section **Sec 5 - T23S-R31E**
Rig Contractor & No **McVay Rig # 7**

00 00 Depth 10955 Footage Today 635 Drig Hrs Today 19 25 ROP Today 32 99 Last Casing Set 7"
24 00 Depth 11590 Current Run Flg 3463 Run Drig Hrs 86 5 Run Avg ROP 40 03 Depth 8118
Previous Run Flg 0 Run Drig Hrs 0 Run Avg ROP #DIV/0!

PUMP Data Total Gals/Min				MUD DATA			BHA #	BHA #	MOTOR DATA	CURRENT	PREVIOUS
PUMP	GD PZ 9	GD PZ 9	0	Mud Type	Water Base			3	Run No	3	
Liner (in)	5	5		Sample	IN	OUT		6 1/8 PDC	Size (in)	4 3/4	
%	95	95		Time				MOTOR 1 75	Type	7 8 3 8	
Vol (ggs)	2 8	1 94	0 50	Wt				Float Sub	Serial No	RY475417	
SPM	100	100		VIS				Muleshoe	Tool Deflection	1 75	
DRILLING PARAMETERS				PV				Monel	Avg Diff Press		
ST WT ROT 1000's		163		YP				Flex Monel	Daily Drill Hrs	19 25	
P/U WT 1000's		166		WL				159 - 3 1/2 D P	Daily Circ Hrs	1 75	
S/O WT 1000's		155		CL				21 - HWDP	Daily Total Hrs	21	0
WOB 1000's		10		Gels				50 - 4 3/4 D C	Acc Drill Hrs	86 5	0
ROTARY RPM		50		% Oil					Acc Circ Hrs	12	0
MOTOR RPM		109		% Solids					Depth In	8127	
TOTAL Bit RPM		159	0	% Sand					Depth Out		
ROT TO OFF BTM				PH					LIH Hrs	24	
ROT TO ON BTM				Temp F					Acc LIH Hrs	122	0
Current Mag Dec				MWD F			BHA WT		Acc Hrs Cir/Drig	98 5	0
Pulse Hight				GPM			BELOW JARS				
G Totals				PSI					Jar # HRS		

BIT DATA														DULL CONDITION			
Bit No.	Size (in)	Mfg.	Type	Serial No.	Nozzles or TFA	Depth In	Cum. Footage	Cum. Hrs.	Depth Out	IR	OR	DC	LOC	B/S	G/16"	OC	RPLD
5	6 1/8	STC	M516LWPX	JX8277	2-15/3-13	8127											

From	Hrs.	Start Depth	End Depth	CL	Code	Time Breakdown	Current Operations
0 00	1 75	10955	11019	64	2 A	ROTATE	
1 45	0 25				10	SURVEY @ 10974	Drilling Ahead
2 00	1 00	11019	11027	8	2 B	SLIDE GTF 210	
3 00	2 00	11027	11114	87	2 A	ROTATE	
5 00	0 25				10	SURVEY @ 11069	
5 15	2 50	11114	11209	95	2 A	ROTATE	
7 45	0 25				10	SURVEY @ 11164	
8 00	2 50	11209	11304	95	2 A	ROTATE	
10 30	0 25				10	SURVEY @ 11259	
10 45	0 25	11304	11336	32	2 A	ROTATE	Estimated Daily Charges
11 00	0 50				7	SER. RIG	Description Cost
11 30	1 50	11336	11400	64	2 A	ROTATE	
13 00	0 25				10	SURVEY @ 11355	
13 15	1 25	11400	11412	12	2 B	SLIDE GTF 70	
14 30	1 50	11412	11464	52	2 A	ROTATE	
16 00	0 25				10	SURVEY @ 11419	
16 15	1 50	11464	11479	15	2 B	SLIDE GTF 60	
17 45	2 25	11479	11558	79	2 A	ROTATE	
20 00	0 25				10	SURVEY @ 11513	
20 15	1 00	11558	11573	15	2 B	SLIDE GTF 60	
21 15	0 25	11573	11590	17	2 A	ROTATE	
21 30	2 50				6 A	SHORT TRIP	
							Estimated Daily Cost (USD) \$ -
							Accumulated Cost (USD) \$ -
							Company Representative (s)
							Jimmy Light
							RYAN Directional Representative (s)
							Larry Cheatwood
							Terry Bollinger
							RYAN MWD Representative (s)
							Charles Green
							Greg Cantrell
							24 Hour Breakdown
							Flg Rot 585 Time Rot 14 5
							Flg Orient 50 Time Orient 4 75
							Rot ROP 40 34 Orient ROP 10 53

Report No 15
Date M/Y/D 02-Dec-07



Ryan Job # 2979

DAILY DRILLING REPORT

Oil Company **Devon Energy Corporation**
Field **Eddy Co., NM**
Location **West Hobbs, NM**
AFE or PO # **134965**

Customer **Devon Energy Corporation**
Well Name & No **North Pure Gold 5 Federal # 2 H**
Block or Section **Sec.5 -T23S-R31E**
Rig Contractor & No **McVay Rig # 7**

00 00 Depth 11590 Footage Today 666 Drig Hrs Today 20 25 ROP Today 32 89 Last Casing Set 7"
24 00 Depth 12256 Current Run Flg 4129 Run Drig Hrs 106 75 Run Avg ROP 38 68 Depth 8118
Previous Run Flg 0 Run Drig Hrs 0 Run Avg ROP #DIV/0!

PUMP DATA				MUD DATA			BHA #	BHA #	MOTOR DATA	CURRENT	PREVIOUS
PLTIP	GD PZ 9	GD PZ 9	0	Mud Type	Water Base			3	Run No	3	
Liner (in)	5	5		Sample	IN	OUT		6 1/8 PDC	Size (in)	4 3/4	
%	95	95		Time				MOTOR 1 75	Type	7 8 3 8	
Vol (gpm)	2 3	1 9	0 0	Wt				Float Sub	Serial No	RY475417	
SPM	100	100		VIS				Muleshoe	Tool Deflection	1 75	
DRILLING PARAMETERS				PV				Monel	Avg Diff Press		
ST WT ROT 1000's		163		YP				Flex Monel	Daily Dril Hrs	20 25	
P/U WT 1000's		166		WL				159 - 3 1/2 D P	Daily Circ Hrs	2 5	
S/O WT 1000's		155		CL				21 - HWOP	Daily Total Hrs	22 75	0
WOB 1000's		10		Gels				50 - 4 3/4 D C	Acc Dril Hrs	106 75	0
ROTARY RPM		50		% Oil					Acc. Circ Hrs	14 5	0
MOTOR RPM		109		% Solids					Depth In	8127	
TOTAL Bit RPM		159	0	% Sand					Depth Out		
ROT TQ OFF BTM				PH					LIH Hrs	5	
ROT TQ ON BTM				Temp F					Acc LIH Hrs	127	0
Current Mag Dec				MWD F			BHA WT		Acc Hrs Cir/Drilg	121 25	0
Pulse Hight				GPM			BELOW JARS				
G Totals				PSI					Jar # HRS		

BIT DATA														DULL CONDITION			
Bit No.	Size (in)	Mfg	Type	Serial No.	Nozzles or TFA	Depth In	Cum. Footage	Cum. Hrs	Depth Out	IR	OR	DC	LOC	B/S	G/16"	OC	RPLD
5	6 1/8	STC	M516LWPX	JX8277	2-15/3-13	8127											

From	Hrs.	Start Depth	End Depth	CL	Code	Time Breakdown	Current Operations
0:00	0:25				6 A	WORKING TIGHT HOLE @ 11490	
0:15	0:25				6 G	L/D 2 JNTS D.P	Drilling Ahead
0:30	0:25	11490	11580	90	3 A	REAMING	
0:45	0:25				6 A	TIH 1 STD	
1:00	0:25	11558	11590	32	3 A	REAM TO BOTTOM	
1:15	1:50	11590	11653	63	2 A	ROTATE	
2:45	0:25				10	SURVEY @ 11608	
3:00	0:50	11653	11663	10	2 B	SLIDE GTF 100	
3:30	2:75	11663	11748	85	2 A	ROTATE	Estimated Daily Charges
6:15	0:25				10	SURVEY @ 11703	Description Cost
6:30	2:00	11748	11760	12	2 B	SLIDE GTF 45	
8:30	1:00	11760	11811	51	2 A	ROTATE	
9:30	0:50				7	SER RIG	
10:00	0:50	11811	11843	32	2 A	ROTATE	
10:30	0:25				10	SURVEY @ 11798	
10:45	1:50	11843	11907	64	2 A	ROTATE	
12:15	0:25				10	SURVEY @ 11862	
12:30	2:25	11907	12002	95	2 A	ROTATE	
14:45	0:25				10	SURVEY @ 11957	
15:00	1:50	12002	12066	64	2 A	ROTATE	
16:30	0:25				10	SURVEY @ 12021	
16:45	1:25	12066	12076	10	2 B	SLIDE GTF 140	
18:00	2:00	12076	12161	85	2 A	ROTATE	Estimated Daily Cost (USD) \$
20:00	0:25				10	SURVEY @ 12116	Accumulated Cost (USD) \$
20:15	1:25	12161	12171	10	2 B	SLIDE GTF 180	Company Representative (s)
21:30	2:25	12171	12256	85	2 A	ROTATE	Jimmy Light
23:45	0:25				10	SURVEY @ 12211	
							RYAN Directional Representative (s)
							Larry Cheatwood
							Terry Bollinger
							RYAN MWD Representative (s)
							Charles Green
							Greg Cantrell
							24 Hour Breakdown
							Flg Rot 624 Time Rot 15 25
							Flg Onent 42 Time Onent 5
							Rot ROP 40 92 Onent ROP 8 40

DAILY DRILLING REPORT

Oil Company	Devon Energy Corporation
Field	Eddy Co., NM
Location	West Hobbs,NM
AFE or PO #	134965

Customer	Devon Energy Corporation
Well Name & No	North Pure Gold 5 Federal # 2 H
Block or Section	Sec.5 -T23S-R31E
Rig Contractor & No	McVay Rig # 7

00 00 Depth	<u>12256</u>	Footage Today	<u>172</u>	Drig Hrs Today	<u>4 5</u>	ROP Today	<u>38 22</u>	Last Casing Set	<u>7"</u>
24 00 Depth	<u>12428</u>	Current Run Ftg	<u>4301</u>	Run Drig Hrs	<u>111 25</u>	Run Avg ROP	<u>38 66</u>	Depth	<u>8118</u>
		Previous Run Ftg	<u>0</u>	Run Drig Hrs	<u>0</u>	Run Avg ROP	<u>#DIV/0!</u>		

PUMP DATA Total Gals/Min = 411.535795				MUD DATA			BHA #	BHA #	MOTOR DATA	CURRENT	PREVIOUS
Pump	GD PZ 9	GD PZ 9	0	Mud Type	Water Base			3	Run No	3	
Liner (in)	5	5		Sample	IN	OUT		6 1/8 PDC	Size (in)	4 3/4	
%	95	95		Time				MOTOR 1 75	Type	7 8 3 8	
Vol (gns)	2 8	1 94	0 30	WT				Float Sub	Serial No	RY475417	
SPM	100	100		VIS				Muleshoe	Tool Deflection	1 75	
DRILLING PARAMETERS				PV				Monel	Avg Diff Press		
ST WT ROT 1000's	163			YP				Flex Monel	Daily Drill Hrs	4 5	
P/U WT 1000's	166			WL				159 - 3 1/2 D P	Daily Circ Hrs	8	
S/O WT 1000's	155			CL				21 - HWDP	Daily Total Hrs	12 5	0
WOB 1000's	10			Gels				50 - 4 3/4 D C	Acc Drill Hrs	111 25	0
ROTARY RPM	50			% Oil					Acc Circ Hrs	22 5	0
MOTOR RPM	109			% Solids					Depth In	8127	
TOTAL Bit RPM	159	0		% Sand					Depth Out		
ROT TQ OFF BTM				PH					LIH Hrs	22	
ROT TQ ON BTM				Temp F					Acc LIH Hrs	149	0
Current Mag Dec				MWD F			BHA WT		Acc Hrs Crr/Drilg	133 75	0
Pulse Hight				GPM			BELOW JARS				
"G" Totals				PSI					Jar # HRS		

[illegible][illegible]

Ryan The leader in
UNDERGROUND INTELLIGENCE™

OBJECTIVE: Horizontal Well

COMMENTS:

Ryan The leader in
UNDERGROUND INTELLIGENCE™

OBJECTIVE: Horizontal Well

COMMENTS:

Bit To Sensor : 51'
Bit To Bend : 5.88'
Revolutions / Gallon : .29
GAMMA : 43'

Ryan The leader in
UNDERGROUND INTELLIGENCE™

OBJECTIVE: Horizontal Well
COMMENTS:

3



Motor Run Report # 1

General Information:		In the Event Of an Incident:																																							
Ryan Job #:	2979	Date of Incident:																																							
Customer:	Devon Energy Corporation	Date Notified Office:																																							
Location:	West Hobbs, NM	Person Notified:																																							
Lease:	Sec.5 -T23S-R31E	Incident Comments:																																							
Well Name & Number:	North Pure Gold 5 Federal # 2 H																																								
Rig Name & Number:	Patterson # 147																																								
Directional Driller ('s):	Larry Cheatwood/Terry Bollinger																																								
Motor Information: <table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td style="width: 30%;">Motor Serial #:</td><td>RY675048</td></tr> <tr><td>Motor Size (OD):</td><td>6 1/2</td></tr> <tr><td>Motor Company:</td><td>Ryan</td></tr> <tr><td>Motor Stabilizer Size:</td><td>SLICK</td></tr> <tr><td>Degree Bent Housing:</td><td>1 75</td></tr> <tr><td>Rotor / Stator Conf.:</td><td>6:7 5.0</td></tr> <tr><td>Depth In:</td><td>4062</td></tr> <tr><td>Depth Out:</td><td>7390</td></tr> <tr><td>Footage:</td><td>3328</td></tr> <tr><td>Drilg Hours:</td><td>54</td></tr> <tr><td>Circulating Hours:</td><td>5.5</td></tr> <tr><td>Total Hours</td><td>59 5</td></tr> <tr><td>Hours Below Rotary Table (LIH)</td><td>86</td></tr> <tr><td>Motor yield</td><td>0.9</td></tr> </table>		Motor Serial #:	RY675048	Motor Size (OD):	6 1/2	Motor Company:	Ryan	Motor Stabilizer Size:	SLICK	Degree Bent Housing:	1 75	Rotor / Stator Conf.:	6:7 5.0	Depth In:	4062	Depth Out:	7390	Footage:	3328	Drilg Hours:	54	Circulating Hours:	5.5	Total Hours	59 5	Hours Below Rotary Table (LIH)	86	Motor yield	0.9	Bit Information: <table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td style="width: 30%;">Bit Size:</td><td>8 3/4</td></tr> <tr><td>Bit Type:</td><td>MI616MNPX</td></tr> <tr><td>Bit Manufacture:</td><td>STC</td></tr> <tr><td>Serial #</td><td>JX6078</td></tr> <tr><td>Jets / TFA:</td><td>15-15-15</td></tr> </table>		Bit Size:	8 3/4	Bit Type:	MI616MNPX	Bit Manufacture:	STC	Serial #	JX6078	Jets / TFA:	15-15-15
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Comments																																									

TRIP FOR CURVE MOTOR...GOOD RUN



Ryan The leader in
UNDERGROUND INTELLIGENCE™

Motor Run Report # 2

General Information:		In the Event Of an Incident:	
Ryan Job #:	2979	Date of Incident:	
Customer:	Devon Energy Corporation	Date Notified Office:	
Location:	West Hobbs, NM	Person Notified:	
Lease:	Sec.5 -T23S-R31E		
Well Name & Number:	North Pure Gold 5 Federal # 2 H		
Rig Name & Number:	Patterson # 147	Incident Comments:	
Directional Driller ('s):	Larry Cheatwood/Terry Bollinger		
Motor Information:		Bit Information:	
Motor Serial #:	RY650625	Bit Size:	8 3/4
Motor Size (OD):	6 1/2	Bit Type:	MI616MNPX
Motor Company:	Ryan	Bit Manufacture:	STC
Motor Stabilizer Size:	SLICK	Serial #	JX6078
Degree Bent Housing:	2.25	Jets / TFA:	15-15-15
Rotor / Stator Conf.:	6:7 5.0		
Depth In:	7390	Mud Information*End of Run:	
Depth Out:	8127	Mud Type OBS/WBM	WATER
Footage:	737	Mud Weight:	8.4
Drilg Hours:	41 5	Viscosity:	29
Circulating Hours:	9	Plastic Vis	
Total Hours	50.5	Yield Point:	
Hours Below Rotary Table (LIH)	57.75	Sand %:	
Motor yield	15	Solids %:	
		LCM (yes or no):	NO
		% LCM per/BBL:	
		Static Temp:	
		Circulating Temp:	
		OBM Aniline Point	
Start of Run: Date		End of Run: Date	
November 21, 2007		November 24, 2007	
GPM'S:	368		
Standpipe Press / Off Bottom:	1400		
Standpipe Press / On Bottom:	1600		
Weight on Bit Avg :	25		
End Of Run: Date		End of Run: Date	
November 24, 2007		November 24, 2007	
GPM'S:	368		
Standpipe Press / Off Bottom:	1400		
Standpipe Press / On Bottom:	1600		
Weight on Bit Avg :	40		

Comments

Motor run good. Parted top of Strator Housing.



Motor Run Report # 3

General Information:		In the Event Of an Incident:	
Ryan Job #:	2979	Date of Incident:	
Customer:	Devon Energy Corporation	Date Notified Office:	
Location:	West Hobbs, NM	Person Notified:	
Lease:	Sec.5 -T23S-R31E	Incident Comments: 	
Well Name & Number:	North Pure Gold 5 Federal # 2 H		
Rig Name & Number:	Patterson # 147		
Directional Driller ('s):	Larry Cheatwood/Terry Bollinger		
Motor Information:		Bit Information:	
Motor Serial #:	RY475417	Bit Size:	6 1/8
Motor Size (OD):	4 3/4	Bit Type:	M516LWPX
Motor Company:	Ryan	Bit Manufacture:	STC
Motor Stabilizer Size:	SLICK	Serial #	JX8277
Degree Bent Housing:	1.75	Jets / TFA:	15-15-13-13
Rotor / Stator Conf.:	7:8 3.8	Mud Information End of Run:	
Depth In:	8127	Mud Type:OBS/WBM	WATER
Depth Out:	12428	Mud Weight:	8.4
Footage:	4301	Viscosity:	29
Drilg Hours:	111.25	Plastic Vis	
Circulating Hours:	22.5	Yield Point:	
Total Hours	133.75	Sand %:	
Hours Below Rotary Table (LIH)	149	Solids %:	
Motor yield	10	LCM (yes or no):	NO
		% LCM per/BBL:	
		Static Temp:	
		Circulating Temp	
		OBM Anline Point	
Start of Run: Date		End of Run: Date	
November 26, 2007			
GPM'S:	218		
Standpipe Press / Off Bottom:	1550		
Standpipe Press / On Bottom:	1900		
Weight on Bit Avg :	20		
GPM'S:	218		
Standpipe Press / Off Bottom:	1800		
Standpipe Press / On Bottom:	2100		
Weight on Bit Avg :	20		
Comments			
TRIP FOR END OF WELL - GOOD MOTOR RUN			

HEADER INFORMATION

Company: DEVON ENERGY CORPORATION

Field: Eddy Co, NM

Site Name: NPG 5 Fec Mag Dec.C +7.83 EAS TO GRID

Well Name Well # 5 Fed 2H

Wellpath N 5 Fed 2H AFE / OCS

Survey Nar Definitive Survey Dat 12/3/2007 Survey Typ 200 - 4115 Survey #1 : Gyro

4305 - 12383 Survey #2 : MWD

12428- 12428 Survey #3 : Project

Depth Unit: ft

SURFACE LOCATION

Site Northir 487965.4

Site Eastir 706739.4

BOTTOM HOLE LOCATION

BHL MD 12428

BHL TVD 7857.82

WELL INFORMATION

Well Northir 487965.4

Well Eastir 706739.4

Rig K.B: 3355

Vsec Angle 180

Vsec North 0

Vsec East: 0

SURVEY LIST

MD	INC	AZI	TVD	NS	EW	VSEC	DLS	S/STVD
0	0	0	0	0	0	0	0	-3355
200	0.24	173.75	200	-0.42	0.05	0.42	0.12	-3155
400	0.4	153.95	400	-1.46	0.4	1.46	0.1	-2955
600	0.09	182.79	599.99	-2.24	0.7	2.24	0.16	-2755.01
800	0.05	234.09	799.99	-2.45	0.62	2.45	0.04	-2555.01
1000	0.11	64.95	999.99	-2.42	0.72	2.42	0.08	-2355.01
1400	0.08	357.58	1399.99	-1.98	1.06	1.98	0.03	-1955.01
1600	0.2	59.62	1599.99	-1.66	1.35	1.66	0.09	-1755.01
1800	0.22	56.94	1799.99	-1.28	1.98	1.28	0.01	-1555.01
2000	0.16	78.85	1999.99	-1.01	2.57	1.01	0.05	-1355.01
2200	0.12	110.63	2199.99	-1.03	3.04	1.03	0.04	-1155.01
2400	0.11	74.24	2399.99	-1.06	3.42	1.06	0.04	-955.01
2600	0.06	310.81	2599.99	-0.94	3.53	0.94	0.08	-755.01
2800	0.22	203.26	2799.99	-1.22	3.3	1.22	0.12	-555.01
3000	1	188.25	2999.98	-3.3	2.9	3.3	0.39	-355.02
3200	1.08	173.95	3199.94	-6.9	2.84	6.9	0.14	-155.06
3400	1.49	149.5	3399.89	-11.02	4.36	11.02	0.34	44.89
3600	1.78	142.82	3599.81	-15.73	7.56	15.73	0.17	244.81
3800	2.31	143.53	3799.68	-21.45	11.83	21.45	0.27	444.68
4000	2.13	137.26	3999.53	-27.42	16.75	27.42	0.15	644.53
4115	1.73	142.35	4114.47	-30.36	19.26	30.36	0.38	759.47
4305	2	133.3	4304.37	-34.91	23.43	34.91	0.21	949.37

4495	2	137	4494.25	-39.61	28.1	39.61	0.07	1139.25
4685	1.3	91.6	4684.18	-42.09	32.52	42.09	0.75	1329.18
4875	1.2	83.4	4874.14	-41.92	36.65	41.92	0.11	1519.14
4971	1	61.2	4970.12	-41.4	38.38	41.4	0.49	1615.12
5066	1	322.5	5065.11	-40.35	38.6	40.35	1.6	1710.11
5257	1.1	320.2	5256.08	-37.62	36.41	37.62	0.06	1901.08
5448	1	316.6	5447.05	-35	34.09	35	0.06	2092.05
5638	1.1	315.4	5637.01	-32.49	31.67	32.49	0.05	2282.01
5822	1.1	314.3	5820.98	-30	29.17	30	0.01	2465.98
6014	1.1	308.4	6012.94	-27.57	26.41	27.57	0.06	2657.94
6204	1.2	306.4	6202.91	-25.26	23.38	25.26	0.06	2847.91
6391	1.1	290.9	6389.87	-23.45	20.12	23.45	0.17	3034.87
6578	0.9	282.7	6576.84	-22.49	17.01	22.49	0.13	3221.84
6768	0.9	287.5	6766.82	-21.71	14.13	21.71	0.04	3411.82
6960	1	281.3	6958.79	-20.93	11.05	20.93	0.07	3603.79
7151	0.8	284.3	7149.77	-20.28	8.13	20.28	0.11	3794.77
7340	0.8	264.8	7338.75	-20.07	5.53	20.07	0.14	3983.75
7407	3.1	204.1	7405.71	-21.77	4.33	21.77	4.17	4050.71
7439	6.9	187.6	7437.58	-24.46	3.72	24.46	12.58	4082.58
7469	10.9	182.4	7467.22	-29.09	3.36	29.09	13.59	4112.22
7501	15.2	180.9	7498.38	-36.31	3.17	36.31	13.48	4143.38
7533	19.3	176.7	7528.94	-45.78	3.41	45.78	13.38	4173.94
7563	22.8	177.4	7556.93	-56.54	3.96	56.54	11.7	4201.93
7595	26.6	179.3	7586	-69.91	4.33	69.91	12.13	4231
7625	30.3	179.9	7612.37	-84.2	4.42	84.2	12.37	4257.37
7657	34.3	180.9	7639.42	-101.29	4.3	101.29	12.61	4284.42
7689	38	181	7665.25	-120.16	3.98	120.16	11.56	4310.25
7721	40.6	182.2	7690.01	-140.42	3.41	140.42	8.46	4335.01
7753	43.7	182.3	7713.73	-161.87	2.57	161.87	9.69	4358.73
7784	47	182.2	7735.52	-183.91	1.7	183.91	10.65	4380.52
7815	49.9	182.6	7756.07	-207.08	0.73	207.08	9.4	4401.07
7846	53.3	183.3	7775.33	-231.34	-0.53	231.34	11.11	4420.33
7878	56	184	7793.84	-257.39	-2.19	257.39	8.62	4438.84
7910	58.5	183.1	7811.15	-284.25	-3.85	284.25	8.16	4456.15
7942	61.4	182.3	7827.17	-311.91	-5.15	311.91	9.32	4472.17
7973	65.1	181.8	7841.12	-339.57	-6.14	339.57	12.02	4486.12
8004	69.6	181.4	7853.06	-368.16	-6.94	368.16	14.56	4498.06
8035	75.3	181.2	7862.4	-397.7	-7.61	397.7	18.4	4507.4
8067	81.3	180.8	7868.89	-429.01	-8.15	429.01	18.79	4513.89
8182	90.3	180.1	7877.3	-543.58	-9.05	543.58	7.85	4522.3
8278	90.3	179.9	7876.8	-639.58	-9.05	639.58	0.21	4521.8
8373	90.1	179.6	7876.47	-734.58	-8.64	734.58	0.38	4521.47
8469	88.4	178.4	7877.73	-830.55	-6.96	830.55	2.17	4522.73
8533	89.4	178.2	7878.95	-894.51	-5.06	894.51	1.59	4523.95
8596	90.6	178.1	7878.95	-957.48	-3.03	957.48	1.91	4523.95
8690	91.5	180.3	7877.23	-1051.45	-1.72	1051.45	2.53	4522.23
8785	90.7	178.3	7875.41	-1146.42	-0.56	1146.42	2.27	4520.41
8881	92.2	181	7872.98	-1242.37	0.03	1242.37	3.22	4517.98
8976	90.1	178.7	7871.07	-1337.34	0.28	1337.34	3.28	4516.07
9039	90.9	177.3	7870.52	-1400.3	2.48	1400.3	2.56	4515.52
9102	91.4	180.2	7869.26	-1463.26	3.85	1463.26	4.67	4514.26
9165	89.3	180.6	7868.87	-1526.26	3.41	1526.26	3.39	4513.87

9228	89.9	181.5	7869.31	-1589.24	2.26	1589.24	1.72	4514.31
9291	91.5	182.9	7868.54	-1652.19	-0.16	1652.19	3.37	4513.54
9355	91.4	181.5	7866.92	-1716.12	-2.62	1716.12	2.19	4511.92
9419	90.8	182.3	7865.69	-1780.07	-4.74	1780.07	1.56	4510.69
9481	91.3	183.1	7864.56	-1841.99	-7.66	1841.99	1.52	4509.56
9545	90	183.9	7863.83	-1905.87	-11.56	1905.87	2.38	4508.83
9640	87.7	183.1	7865.74	-2000.66	-17.36	2000.66	2.56	4510.74
9703	88.5	181.2	7867.83	-2063.58	-19.72	2063.58	3.27	4512.83
9767	87.8	181.2	7869.89	-2127.53	-21.06	2127.53	1.09	4514.89
9830	88.6	181.4	7871.87	-2190.49	-22.49	2190.49	1.31	4516.87
9894	88.8	179.6	7873.32	-2254.46	-23.05	2254.46	2.83	4518.32
9957	90.3	178.5	7873.82	-2317.45	-22.01	2317.45	2.95	4518.82
10021	90.1	178.8	7873.6	-2381.43	-20.5	2381.43	0.56	4518.6
10084	90	178.9	7873.54	-2444.42	-19.23	2444.42	0.22	4518.54
10148	90.4	178.5	7873.32	-2508.4	-17.78	2508.4	0.88	4518.32
10211	90.7	178.8	7872.71	-2571.38	-16.3	2571.38	0.67	4517.71
10275	89.9	177.6	7872.38	-2635.35	-14.29	2635.35	2.25	4517.38
10339	88.8	176.6	7873.1	-2699.26	-11.05	2699.26	2.32	4518.1
10402	90.3	179	7873.6	-2762.2	-8.63	2762.2	4.49	4518.6
10466	90.2	178.5	7873.32	-2826.19	-7.24	2826.19	0.8	4518.32
10529	89	180.2	7873.76	-2889.18	-6.52	2889.18	3.3	4518.76
10592	90.6	180.6	7873.98	-2952.18	-6.96	2952.18	2.62	4518.98
10687	91	181.2	7872.65	-3047.15	-8.45	3047.15	0.76	4517.65
10783	90.8	180.3	7871.14	-3143.13	-9.71	3143.13	0.96	4516.14
10878	90.8	179.7	7869.82	-3238.12	-9.71	3238.12	0.63	4514.82
10974	91.4	180.6	7867.97	-3334.1	-9.96	3334.1	1.13	4512.97
11069	90	178.5	7866.81	-3429.09	-9.21	3429.09	2.66	4511.81
11164	89.5	177.9	7867.23	-3524.04	-6.23	3524.04	0.82	4512.23
11259	90.2	177.3	7867.48	-3618.95	-2.25	3618.95	0.97	4512.48
11355	87.8	175.7	7869.15	-3714.75	3.61	3714.75	3	4514.15
11419	87	176.4	7872.06	-3778.53	8.01	3778.53	1.66	4517.06
11513	89.2	177.7	7875.17	-3872.35	12.84	3872.35	2.72	4520.17
11608	91.4	179.4	7874.68	-3967.31	15.25	3967.31	2.93	4519.68
11703	88.3	179.1	7874.92	-4062.29	16.49	4062.29	3.28	4519.92
11798	92.7	181.6	7874.09	-4157.25	15.91	4157.25	5.33	4519.09
11862	92.2	181.7	7871.36	-4221.16	14.07	4221.16	0.8	4516.36
11957	92.2	180.6	7867.71	-4316.07	12.17	4316.07	1.16	4512.71
12021	92.8	179.9	7864.92	-4380.01	11.89	4380.01	1.44	4509.92
12116	92.4	182.4	7860.61	-4474.89	9.98	4474.89	2.66	4505.61
12211	90.8	181.5	7857.96	-4569.79	6.75	4569.79	1.93	4502.96
12307	90.8	182.3	7856.62	-4665.73	3.57	4665.73	0.83	4501.62
12383	88.8	181.9	7856.88	-4741.67	0.78	4741.67	2.68	4501.88
12428	88.8	181.9	7857.82	-4786.64	-0.71	4786.64	0	4502.82

LeaseN/S	LeaseE/W	Northing	Easting	Latitude	Longitude
0	0	487965.4	706739.4	32°20'25.2	103°47'52.003W
0.42	-0.05	487965	706739.4	32°20'25.2	103°47'52.002W
1.46	-0.4	487964	706739.8	32°20'25.2	103°47'51.998W
2.24	-0.7	487963.2	706740.1	32°20'25.2	103°47'51.995W
2.45	-0.62	487963	706740	32°20'25.2	103°47'51.996W
2.42	-0.72	487963	706740.1	32°20'25.2	103°47'51.994W
1.98	-1.06	487963.5	706740.4	32°20'25.2	103°47'51.990W
1.66	-1.35	487963.8	706740.7	32°20'25.2	103°47'51.987W
1.28	-1.98	487964.2	706741.4	32°20'25.2	103°47'51.980W
1.01	-2.57	487964.4	706742	32°20'25.2	103°47'51.973W
1.03	-3.04	487964.4	706742.4	32°20'25.2	103°47'51.967W
1.06	-3.42	487964.4	706742.8	32°20'25.2	103°47'51.963W
0.94	-3.53	487964.5	706742.9	32°20'25.2	103°47'51.962W
1.22	-3.3	487964.2	706742.7	32°20'25.2	103°47'51.964W
3.3	-2.9	487962.1	706742.3	32°20'25.2	103°47'51.969W
6.9	-2.84	487958.5	706742.2	32°20'25.1	103°47'51.970W
11.02	-4.36	487954.4	706743.7	32°20'25.1	103°47'51.952W
15.73	-7.56	487949.7	706746.9	32°20'25.1	103°47'51.915W
21.45	-11.83	487944	706751.2	32°20'25.0	103°47'51.866W
27.42	-16.75	487938	706756.1	32°20'24.9	103°47'51.809W
30.36	-19.26	487935.1	706758.6	32°20'24.9	103°47'51.780W
34.91	-23.43	487930.5	706762.8	32°20'24.9	103°47'51.732W

39.61	-28.1	487925.8	706767.5	32°20'24.8	103°47'51.677W
42.09	-32.52	487923.3	706771.9	32°20'24.8	103°47'51.626W
41.92	-36.65	487923.5	706776	32°20'24.8	103°47'51.578W
41.4	-38.38	487924	706777.8	32°20'24.8	103°47'51.558W
40.35	-38.6	487925.1	706778	32°20'24.8	103°47'51.555W
37.62	-36.41	487927.8	706775.8	32°20'24.8	103°47'51.580W
35	-34.09	487930.4	706773.5	32°20'24.9	103°47'51.607W
32.49	-31.67	487932.9	706771.1	32°20'24.9	103°47'51.635W
30	-29.17	487935.4	706768.6	32°20'24.9	103°47'51.664W
27.57	-26.41	487937.9	706765.8	32°20'24.9	103°47'51.696W
25.26	-23.38	487940.2	706762.8	32°20'25.0	103°47'51.732W
23.45	-20.12	487942	706759.5	32°20'25.0	103°47'51.769W
22.49	-17.01	487942.9	706756.4	32°20'25.0	103°47'51.806W
21.71	-14.13	487943.7	706753.5	32°20'25.0	103°47'51.839W
20.93	-11.05	487944.5	706750.4	32°20'25.0	103°47'51.875W
20.28	-8.13	487945.2	706747.5	32°20'25.0	103°47'51.909W
20.07	-5.53	487945.4	706744.9	32°20'25.0	103°47'51.939W
21.77	-4.33	487943.7	706743.7	32°20'25.0	103°47'51.953W
24.46	-3.72	487941	706743.1	32°20'25.0	103°47'51.961W
29.09	-3.36	487936.3	706742.7	32°20'24.9	103°47'51.965W
36.31	-3.17	487929.1	706742.6	32°20'24.8	103°47'51.968W
45.78	-3.41	487919.7	706742.8	32°20'24.8	103°47'51.966W
56.54	-3.96	487908.9	706743.3	32°20'24.6	103°47'51.960W
69.91	-4.33	487895.5	706743.7	32°20'24.5	103°47'51.956W
84.2	-4.42	487881.2	706743.8	32°20'24.4	103°47'51.956W
101.29	-4.3	487864.1	706743.7	32°20'24.2	103°47'51.958W
120.16	-3.98	487845.3	706743.4	32°20'24.0	103°47'51.963W
140.42	-3.41	487825	706742.8	32°20'23.8	103°47'51.971W
161.87	-2.57	487803.6	706742	32°20'23.6	103°47'51.982W
183.91	-1.7	487781.5	706741.1	32°20'23.4	103°47'51.993W
207.08	-0.73	487758.4	706740.1	32°20'23.2	103°47'52.006W
231.34	0.53	487734.1	706738.9	32°20'22.9	103°47'52.022W
257.39	2.19	487708	706737.2	32°20'22.7	103°47'52.043W
284.25	3.85	487681.2	706735.5	32°20'22.4	103°47'52.064W
311.91	5.15	487653.5	706734.2	32°20'22.1	103°47'52.081W
339.57	6.14	487625.9	706733.2	32°20'21.8	103°47'52.094W
368.16	6.94	487597.3	706732.4	32°20'21.6	103°47'52.105W
397.7	7.61	487567.7	706731.8	32°20'21.3	103°47'52.114W
429.01	8.15	487536.4	706731.2	32°20'21.0	103°47'52.123W
543.58	9.05	487421.9	706730.3	32°20'19.8	103°47'52.140W
639.58	9.05	487325.9	706730.3	32°20'18.9	103°47'52.145W
734.58	8.64	487230.9	706730.7	32°20'17.9	103°47'52.146W
830.55	6.96	487134.9	706732.4	32°20'17.0	103°47'52.132W
894.51	5.06	487070.9	706734.3	32°20'16.4	103°47'52.114W
957.48	3.03	487008	706736.4	32°20'15.7	103°47'52.094W
1051.45	1.72	486914	706737.7	32°20'14.8	103°47'52.084W
1146.42	0.56	486819	706738.8	32°20'13.9	103°47'52.076W
1242.37	-0.03	486723.1	706739.4	32°20'12.9	103°47'52.075W
1337.34	-0.28	486628.1	706739.7	32°20'12.0	103°47'52.077W
1400.3	-2.48	486565.1	706741.9	32°20'11.3	103°47'52.055W
1463.26	-3.85	486502.2	706743.2	32°20'10.7	103°47'52.043W
1526.26	-3.41	486439.2	706742.8	32°20'10.1	103°47'52.052W

1589.24	-2.26	486376.2	706741.6	32°20'09.5	103°47'52.069W
1652.19	0.16	486313.2	706739.2	32°20'08.9	103°47'52.101W
1716.12	2.62	486249.3	706736.8	32°20'08.2	103°47'52.133W
1780.07	4.74	486185.4	706734.6	32°20'07.6	103°47'52.162W
1841.99	7.66	486123.4	706731.7	32°20'07.0	103°47'52.199W
1905.87	11.56	486059.6	706727.8	32°20'06.3	103°47'52.248W
2000.66	17.36	485964.8	706722	32°20'05.4	103°47'52.322W
2063.58	19.72	485901.9	706719.7	32°20'04.8	103°47'52.353W
2127.53	21.06	485837.9	706718.3	32°20'04.2	103°47'52.372W
2190.49	22.49	485774.9	706716.9	32°20'03.5	103°47'52.392W
2254.46	23.05	485711	706716.3	32°20'02.9	103°47'52.403W
2317.45	22.01	485648	706717.4	32°20'02.3	103°47'52.394W
2381.43	20.5	485584	706718.9	32°20'01.6	103°47'52.380W
2444.42	19.23	485521	706720.2	32°20'01.0	103°47'52.369W
2508.4	17.78	485457	706721.6	32°20'00.4	103°47'52.356W
2571.38	16.3	485394.1	706723.1	32°19'59.8	103°47'52.342W
2635.35	14.29	485330.1	706725.1	32°19'59.1	103°47'52.323W
2699.26	11.05	485266.2	706728.3	32°19'58.5	103°47'52.289W
2762.2	8.63	485203.2	706730.8	32°19'57.9	103°47'52.264W
2826.19	7.24	485139.2	706732.1	32°19'57.2	103°47'52.252W
2889.18	6.52	485076.3	706732.9	32°19'56.6	103°47'52.247W
2952.18	6.96	485013.3	706732.4	32°19'56.0	103°47'52.256W
3047.15	8.45	484918.3	706730.9	32°19'55.1	103°47'52.279W
3143.13	9.71	484822.3	706729.7	32°19'54.1	103°47'52.299W
3238.12	9.71	484727.3	706729.7	32°19'53.2	103°47'52.304W
3334.1	9.96	484631.3	706729.4	32°19'52.2	103°47'52.313W
3429.09	9.21	484536.3	706730.2	32°19'51.3	103°47'52.310W
3524.04	6.23	484441.4	706733.2	32°19'50.3	103°47'52.281W
3618.95	2.25	484346.5	706737.1	32°19'49.4	103°47'52.240W
3714.75	-3.61	484250.7	706743	32°19'48.4	103°47'52.177W
3778.53	-8.01	484186.9	706747.4	32°19'47.8	103°47'52.129W
3872.35	-12.84	484093.1	706752.2	32°19'46.9	103°47'52.079W
3967.31	-15.25	483998.1	706754.6	32°19'45.9	103°47'52.056W
4062.29	-16.49	483903.1	706755.9	32°19'45.0	103°47'52.047W
4157.25	-15.91	483808.2	706755.3	32°19'44.1	103°47'52.059W
4221.16	-14.07	483744.3	706753.5	32°19'43.4	103°47'52.085W
4316.07	-12.17	483649.4	706751.6	32°19'42.5	103°47'52.112W
4380.01	-11.89	483585.4	706751.3	32°19'41.9	103°47'52.119W
4474.89	-9.98	483490.5	706749.4	32°19'40.9	103°47'52.147W
4569.79	-6.75	483395.6	706746.1	32°19'40.0	103°47'52.190W
4665.73	-3.57	483299.7	706743	32°19'39.0	103°47'52.233W
4741.67	-0.78	483223.8	706740.2	32°19'38.3	103°47'52.270W
4786.64	0.71	483178.8	706738.7	32°19'37.8	103°47'52.290W