

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
SUNDRY NOTICES AND REPORTS ON WELLS

DEC 10 2008
OCD-ARTESIA

FORM APPROVED
OMB NO. 1004-0135
EXPIRES, NOVEMBER 30, 2000

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals

SUBMIT IN TRIPLICATE

1a Type of Well ☒ Oil Well ☐ Gas Well ☐ Other _____

2. Name of Operator
DEVON ENERGY PRODUCTION COMPANY, LP

3 Address and Telephone No
20 North Broadway, Oklahoma City, OK 73102 405-552-8198

4. Location of Well (Report location clearly and in accordance with Federal requirements)*
400 SL: 400 FSL & 100 FEL, SE/SE Section 20, T16S R28E Unit P
BHL: 400 FSL & 330 FWL, SW/SW Section 20, T16S R28E Unit M

5. Lease Serial No
SL: NM54856 BHL: NM103873

6 If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.

8 Well Name and No.
Shakespeare 20 Federal Com 1H

9 API Well No.
30-15-36376

10. Field and Pool, or Exploratory
Wolfcamp

12. County or Parish 13. State
Eddy NM

CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
☐ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
☒ Subsequent Report	☐ Alter Casing	☐ Fracture Treat	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☒ Other Completion Report
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	
	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal	

13 Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work and approximate duration thereof. If the proposal deepens directionally or recompletes horizontally, give subsurface location and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirement, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection)

9/11/08 Pump out plug.

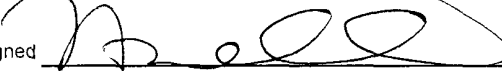
9/26/08 Frac with 7 stage job: 1st) 3000 gals 15% HCL + 9,375# 20/40 White sand + 10,040 gals Lightning pad, 15,805 gals sand alden lightning. 2nd) 2000 gals 15% HCL, 11,250 # 20/40 White sand, 20,000 lightning pad, 31,013 Sand laden, 24,998 Slickwater pad. 3rd) 3000 gals 15% HCL, 11,250 # 20/40 White sand, 59,993 Slickwater pad, 20,000 Lightning pad, 31,534 Sand laden. 4th) 3,000 gals HCL, 18,750# 20/40 White sand, 59,993 gals Slickwater pad, 31,013 gals Sand laden, 20,000 Lightning pad. 5th) 3000 gals 15% HCL, 18,750 # 20/40 White sand, 59,993 gals Slickwater pad, 20,000 Lightning pad, 31,013 gals Sand laden. 6th) 3000 gals 15% HCL, 18,750 # 20/40 White sand, 59,993 gals Slickwater, 20,000 gals Lightning pad, 31,013 gals Sand laden. 7th) 10,374 gals 15% Deep spot acid, 22,500 # 20/40 White sand, 40,496 gals Slickwater, 20,000 gals Lightning pad, 31,013 gals Sand laden, 3000 gals 15% HCL, 12,251 Linear gel flush.

10/1/2008 RU unit. Killed well. ND tree. NU BOP. TIH with seal assembly and tubing to 4000'. Circulate with 10# Brine. Finish TIH and tied into top of 10/03/08 Swab well.

10/08/08 RU. Kill well. Release peak completion tool. POOH with tubing and lay down peak tool. RIH with produciton tubing assembly. ND BOP. NU wellhead.

10/09/08 RIH with pump and rods. Hang well on production. Continue building battery and installing gas line.

14. I hereby certify that the foregoing is true and correct

Signed  Name **Norvella Adams**
Title **Sr Staff Engineering Technician** Date **12/2/2008**

(This space for Federal or State Office use)

Approved by _____ Title _____ Date _____
Conditions of approval, if any.

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

*See Instruction on Reverse Side

OPERATOR
WELL/LEASE
COUNTY

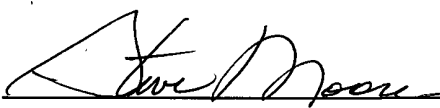
DEVON ENERGY CORPORATION
SHAKESPEARE 20 FED. 1 H
EDDY RIG 493

STATE OF NEW MEXICO
DEVIATION REPORT

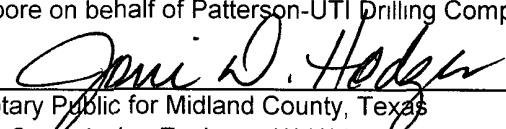
325	1 50
559	1.00
859	1.00
1,339	0.25
1,932	0.75
2,140	1.00
2,429	1.00
2,906	0.75
3,376	0.75
3,851	0.75
4,335	0.25
4,805	0.50
5,288	0.25
6,270	0.50
7,000	0.50

STATE OF TEXAS

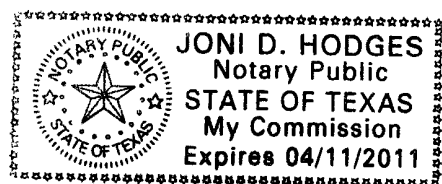
COUNTY OF MIDLAND

BY: 

The foregoing instrument was acknowledged before me on
Moore on behalf of Patterson-UTI Drilling Company LLC.


Notary Public for Midland County, Texas
My Commission Expires: 4/11/11

SEPTEMBER 25, 2008 , by Steve





Ryan Energy Directional Drilling Report

Field: Eddy Co, NM
Site: Shakespeare 20 Federal COM 1H
Well: Shakespeare 20 Federal COM 1H
Wellpath: #20 Fed COM 1H

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

DEVON ENERGY CORPORATION

Field: Eddy Co, NM
 Site: Shakespeare 20 Federal COM 1H
 Well: Shakespeare 20 Federal COM 1H
 Wellpath: #20 Fed COM 1H



Azimuths to Grid North
 True North -0.08°
 Magnetic North 8.18°
 Magnetic Field
 Strength 49284nT
 Dip Angle 60.79°
 Date 7/30/2008
 Model igr2005

SITE DETAILS

Shakespeare 20 Federal COM 1H
 Eddy Co, NM
 Site Centre Northing 691727.97
 Easting 585165.54
 Ground Level 3508.00
 Positional Uncertainty 0.00
 Convergence 0.08

FIELD DETAILS

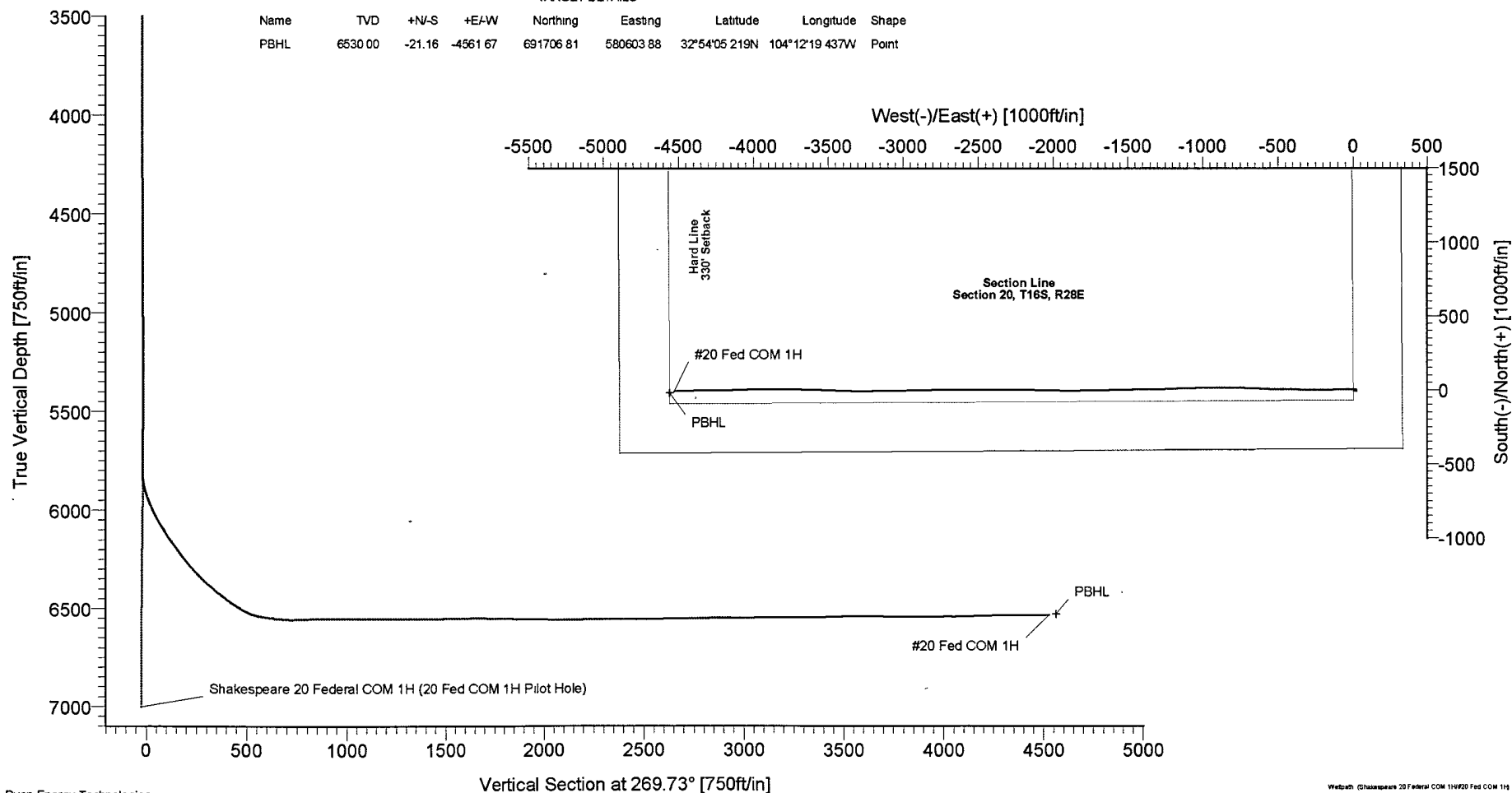
Eddy Co, NM
 USA
 Geodetic System US State Plane Coordinate System 1983
 Ellipsoid GRS 1980
 Zone New Mexico, Eastern Zone
 Magnetic Model igr2005
 System Datum Mean Sea Level
 Local North Grid North

WELLPATH DETAILS

#20 Fed COM 1H
 RIG
 Ref. Datum. SITE 0.00ft
 V. Section Angle
 269.73° 0.00 0.00 0.00
 Starting From TVD

TARGET DETAILS

Name	TVD	+N-S	+E-W	Northing	Easting	Latitude	Longitude	Shape
PBHL	6530.00	-21.16	-4561.67	691706.81	580603.88	32°54'05.219N	104°12'19.437W	Point



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



Wellpath: (Shakespeare 20 Federal COM 1H) #20 Fed COM 1H
 Created By: Kevin Carr Date: 9/23/2008
 Checked: Date:
 Reviewed: Date:
 Approved: Date:

Company: DEVON ENERGY CORPORATION	Date: 9/23/2008	Time: 14:10:20	Page: 1
Field: Eddy Co, NM	Co-ordinate(NE) Reference: Site: Shakespeare 20 Federal COM 1H		
Site: Shakespeare 20 Federal COM 1H	Vertical (TVD) Reference: SITE 00		
Well: Shakespeare 20 Federal COM 1H	Section (VS) Reference: Well (0.00N,0.00E,269.73Azi)		
Wellpath: #20 Fed COM 1H	Survey Calculation Method: Minimum Curvature	Db: Sybase	

Field: Eddy Co, NM

USA

Map System: US State Plane Coordinate System 1983

Geo Datum: GRS 1980

Sys Datum: Mean Sea Level

Map Zone:

New Mexico, Eastern Zone

Coordinate System:

Site Centre

Geomagnetic Model:

igr2005

Site: Shakespeare 20 Federal COM 1H
Eddy Co, NM

Site Position:	Northing: 691727.97 ft	Latitude: 32 54 5.371 N
From: Map	Easting: 585165.54 ft	Longitude: 104 11 25.930 W
Position Uncertainty: 0.00 ft		North Reference: Grid
Ground Level: 3608.00 ft		Grid Convergence: 0.08 deg

Well: Shakespeare 20 Federal COM 1H

Slot Name:

Well Position: +N/-S 0.00 ft	Northing: 691727.97 ft	Latitude: 32 54 5.371 N
+E/-W 0.00 ft	Easting: 585165.54 ft	Longitude: 104 11 25.930 W
Position Uncertainty: 0.00 ft		

Wellpath: #20 Fed COM 1H

Current Datum: SITE	Height 0.00 ft	Drilled From: Surface
Magnetic Data: 7/30/2008		Tie-on Depth: 0.00 ft
Field Strength: 49294 nT		Above System Datum: Mean Sea Level
Vertical Section: Depth From (TVD)	+N/-S	Declination: 8.26 deg
ft	ft	Mag Dip Angle: 60.79 deg
		+E/-W
		Direction
		deg
0.00	0.00	0.00 269.73

Survey Program for Definitive Wellpath

Date: 9/23/2008

Validated: No

Version: 1

Actual From To
ft ft

Survey

Toolcode

Tool Name

277.00	1885.00	Survey #1 (277.00-1885.00)	Totco Survey	
1900.50	5800.00	Survey #2 (1900.50-5800.00)	Gyro	Good Gyro
5840.00	10702.00	Survey #3 (5840.00-10702.00)	MWD	
10750.00	10750.00	Survey #4 (10750.00-10750.00)	Projection	Projected to TD

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
277.00	0.50	112.91	277.00	-0.47	1.11	-1.11	0.18	0.18	0.00	Totco Survey
559.00	1.00	112.91	558.97	-1.91	4.51	-4.50	0.18	0.18	0.00	Totco Survey
817.00	1.00	112.91	816.93	-3.66	8.66	-8.64	0.00	0.00	0.00	Totco Survey
1291.00	0.25	112.91	1290.90	-5.67	13.42	-13.40	0.16	-0.16	0.00	Totco Survey
1885.00	0.75	112.91	1884.88	-7.69	18.20	-18.16	0.08	0.08	0.00	Totco Survey
1900.50	0.69	112.91	1900.37	-7.77	18.38	-18.34	0.39	-0.39	0.00	Gyro
2000.00	0.63	352.58	1999.87	-7.46	18.86	-18.82	1.15	-0.06	-120.93	Gyro
2100.00	0.59	358.17	2099.87	-6.40	18.77	-18.74	0.07	-0.04	5.59	Gyro
2200.00	0.74	354.02	2199.86	-5.24	18.69	-18.66	0.16	0.15	-4.15	Gyro
2300.00	0.69	357.67	2299.85	-4.00	18.60	-18.58	0.07	-0.05	3.65	Gyro
2400.00	0.68	341.37	2399.84	-2.83	18.38	-18.37	0.19	-0.01	-16.30	Gyro
2500.00	0.62	336.50	2499.84	-1.77	17.98	-17.97	0.08	-0.06	-4.87	Gyro
2600.00	0.53	335.79	2599.83	-0.86	17.57	-17.57	0.09	-0.09	-0.71	Gyro
2700.00	0.53	323.21	2699.83	-0.06	17.10	-17.10	0.12	0.00	-12.58	Gyro
2800.00	0.43	323.92	2799.83	0.61	16.61	-16.61	0.10	-0.10	0.71	Gyro
2900.00	0.37	317.27	2899.82	1.15	16.17	-16.17	0.08	-0.06	-6.65	Gyro
3000.00	0.29	325.40	2999.82	1.60	15.80	-15.81	0.09	-0.08	8.13	Gyro
3100.00	0.22	342.48	3099.82	1.99	15.60	-15.61	0.10	-0.07	17.08	Gyro
3200.00	0.37	28.31	3199.82	2.45	15.70	-15.71	0.27	0.15	45.83	Gyro

Company: DEVON ENERGY CORPORATION
 Field: Eddy Co, NM
 Site: Shakespeare 20 Federal COM 1H
 Well: Shakespeare 20 Federal COM 1H
 Wellpath: #20 Fed COM 1H

Date: 9/23/2008 Time: 14:10:20 Page: 2
 Co-ordinate(NE) Reference: Site: Shakespeare 20 Federal COM 1H
 Vertical (TVD) Reference: SITE 0.0
 Section (VS) Reference: Well (0.00N,0.00E,269.73Azi)
 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
3300.00	0.29	52.52	3299.82	2.89	16.05	-16.06	0.16	-0.08	24.21	Gyro
3400.00	0.34	69.67	3399.82	3.15	16.53	-16.54	0.11	0.05	17.15	Gyro
3500.00	0.24	139.12	3499.81	3.09	16.95	-16.96	0.34	-0.10	69.45	Gyro
3600.00	0.27	151.96	3599.81	2.73	17.19	-17.21	0.06	0.03	12.84	Gyro
3700.00	0.29	165.16	3699.81	2.28	17.37	-17.38	0.07	0.02	13.20	Gyro
3800.00	0.29	187.76	3799.81	1.78	17.40	-17.41	0.11	0.00	22.60	Gyro
3900.00	0.36	207.35	3899.81	1.25	17.22	-17.23	0.13	0.07	19.59	Gyro
4000.00	0.33	206.48	3999.81	0.71	16.95	-16.95	0.03	-0.03	-0.87	Gyro
4100.00	0.37	196.31	4099.81	0.15	16.73	-16.73	0.07	0.04	-10.17	Gyro
4200.00	0.30	194.39	4199.80	-0.42	16.57	-16.57	0.07	-0.07	-1.92	Gyro
4300.00	0.29	211.30	4299.80	-0.89	16.38	-16.37	0.09	-0.01	16.91	Gyro
4400.00	0.37	232.02	4399.80	-1.30	15.99	-15.98	0.14	0.08	20.72	Gyro
4500.00	0.39	241.84	4499.80	-1.66	15.44	-15.43	0.07	0.02	9.82	Gyro
4600.00	0.27	229.79	4599.80	-1.97	14.96	-14.95	0.14	-0.12	-12.05	Gyro
4700.00	0.15	224.74	4699.80	-2.22	14.68	-14.67	0.12	-0.12	-5.05	Gyro
4800.00	0.19	291.80	4799.80	-2.25	14.44	-14.43	0.19	0.04	67.06	Gyro
4900.00	0.17	302.27	4899.80	-2.11	14.16	-14.15	0.04	-0.02	10.47	Gyro
5000.00	0.20	280.82	4999.80	-2.00	13.86	-13.85	0.07	0.03	-21.45	Gyro
5100.00	0.23	293.26	5099.79	-1.89	13.51	-13.50	0.06	0.03	12.44	Gyro
5200.00	0.28	320.38	5199.79	-1.62	13.17	-13.16	0.13	0.05	27.12	Gyro
5300.00	0.25	356.65	5299.79	-1.21	13.00	-12.99	0.17	-0.03	36.27	Gyro
5400.00	0.35	18.18	5399.79	-0.71	13.08	-13.08	0.15	0.10	21.53	Gyro
5500.00	0.31	36.14	5499.79	-0.20	13.33	-13.33	0.11	-0.04	17.96	Gyro
5600.00	0.59	42.40	5599.79	0.40	13.84	-13.84	0.28	0.28	6.26	Gyro
5700.00	0.51	42.12	5699.78	1.11	14.49	-14.49	0.08	-0.08	-0.28	Gyro
5800.00	0.56	50.44	5799.78	1.75	15.16	-15.17	0.09	0.05	8.32	Gyro
5840.00	3.60	279.80	5839.75	2.09	14.08	-14.08	9.97	7.60	-326.60	MWD
5872.00	9.30	274.70	5871.54	2.48	10.51	-10.52	17.88	17.81	-15.94	MWD
5904.00	15.60	271.20	5902.77	2.78	3.62	-3.63	19.82	19.69	-10.94	MWD
5935.00	20.60	269.80	5932.23	2.85	-6.01	5.99	16.19	16.13	-4.52	MWD
5967.00	22.50	269.20	5961.99	2.74	-17.76	17.75	5.98	5.94	-1.87	MWD
5999.00	24.30	269.30	5991.36	2.57	-30.47	30.46	5.63	5.62	0.31	MWD
6030.00	26.30	270.40	6019.38	2.54	-43.71	43.70	6.63	6.45	3.55	MWD
6062.00	28.00	270.40	6047.85	2.65	-58.32	58.30	5.31	5.31	0.00	MWD
6094.00	30.00	269.80	6075.84	2.67	-73.83	73.82	6.32	6.25	-1.87	MWD
6125.00	31.90	269.20	6102.43	2.53	-89.77	89.76	6.21	6.13	-1.94	MWD
6158.00	33.50	268.80	6130.19	2.22	-107.59	107.58	4.89	4.85	-1.21	MWD
6189.00	34.50	268.40	6155.89	1.79	-124.92	124.91	3.31	3.23	-1.29	MWD
6222.00	35.70	267.80	6182.89	1.16	-143.89	143.88	3.78	3.64	-1.82	MWD
6254.00	36.30	268.10	6208.78	0.49	-162.69	162.68	1.95	1.87	0.94	MWD
6285.00	36.90	269.30	6233.67	0.07	-181.16	181.16	3.01	1.94	3.87	MWD
6317.00	38.60	269.10	6258.97	-0.20	-200.75	200.75	5.33	5.31	-0.62	MWD
6349.00	40.30	269.70	6283.68	-0.41	-221.08	221.08	5.44	5.31	1.87	MWD
6381.00	42.20	270.70	6307.74	-0.34	-242.18	242.18	6.28	5.94	3.12	MWD
6412.00	43.50	271.20	6330.46	0.01	-263.26	263.26	4.33	4.19	1.61	MWD
6444.00	44.80	271.60	6353.42	0.56	-285.54	285.53	4.15	4.06	1.25	MWD
6476.00	46.50	270.50	6375.79	0.98	-308.42	308.41	5.85	5.31	-3.44	MWD
6508.00	48.20	270.60	6397.47	1.20	-331.95	331.94	5.32	5.31	0.31	MWD
6540.00	50.30	271.00	6418.36	1.54	-356.19	356.18	6.63	6.56	1.25	MWD
6633.00	55.00	272.20	6474.77	3.63	-430.07	430.05	5.16	5.05	1.29	MWD
6665.00	57.00	270.40	6492.66	4.23	-456.59	456.56	7.80	6.25	-5.62	MWD
6697.00	59.00	269.80	6509.62	4.27	-483.72	483.70	6.45	6.25	-1.87	MWD
6729.00	65.40	270.20	6524.53	4.28	-512.01	511.99	20.03	20.00	1.25	MWD
6761.00	73.80	271.20	6535.68	4.65	-541.98	541.95	26.41	26.25	3.12	MWD

Company: DEVON ENERGY CORPORATION
 Field: Eddy Co NM
 Site: Shakespeare 20 Federal COM 1H
 Well: Shakespeare 20 Federal COM 1H
 Wellpath: #20 Fed COM 1H

Date: 9/23/2008 Time: 14:10:20 Page: 3
 Co-ordinate(NE) Reference: Site: Shakespeare 20 Federal COM 1H
 Vertical (TVD) Reference: SITE 00
 Section (VS) Reference: Well (0.00N,0.00E,269.73Azi)
 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
6793.00	80.80	272.50	6542.71	5.66	-573.16	573.13	22.23	21.87	4.06	MWD
6825.00	81.50	272.60	6547.63	7.07	-604.75	604.71	2.21	2.19	0.31	MWD
6857.00	81.70	272.60	6552.31	8.50	-636.37	636.32	0.62	0.62	0.00	MWD
6887.00	83.10	271.90	6556.28	9.67	-666.08	666.03	5.21	4.67	-2.33	MWD
6919.00	86.20	272.00	6559.26	10.76	-697.92	697.86	9.69	9.69	0.31	MWD
6950.00	90.80	271.80	6560.07	11.78	-728.88	728.82	14.85	14.84	-0.65	MWD
6981.00	92.50	272.00	6559.18	12.81	-759.85	759.79	5.52	5.48	0.65	MWD
7045.00	91.30	270.50	6557.06	14.20	-823.80	823.73	3.00	-1.87	-2.34	MWD
7109.00	90.50	269.40	6556.05	14.15	-887.79	887.72	2.13	-1.25	-1.72	MWD
7173.00	89.80	269.30	6555.88	13.42	-951.79	951.71	1.10	-1.09	-0.16	MWD
7235.00	89.80	269.00	6556.10	12.50	-1013.78	1013.71	0.48	0.00	-0.48	MWD
7299.00	90.20	268.60	6556.10	11.16	-1077.76	1077.70	0.88	0.62	-0.62	MWD
7362.00	90.20	268.30	6555.88	9.46	-1140.74	1140.68	0.48	0.00	-0.48	MWD
7425.00	89.10	267.50	6556.26	7.15	-1203.70	1203.65	2.16	-1.75	-1.27	MWD
7489.00	89.60	267.90	6556.99	4.58	-1267.64	1267.61	1.00	0.78	0.62	MWD
7553.00	90.40	269.30	6556.99	3.02	-1331.62	1331.59	2.52	1.25	2.19	MWD
7616.00	91.90	269.60	6555.73	2.41	-1394.60	1394.58	2.43	2.38	0.48	MWD
7680.00	91.80	269.40	6553.66	1.86	-1458.57	1458.54	0.35	-0.16	-0.31	MWD
7744.00	91.70	268.70	6551.70	0.79	-1522.53	1522.51	1.10	-0.16	-1.09	MWD
7807.00	90.60	268.60	6550.44	-0.69	-1585.50	1585.48	1.75	-1.75	-0.16	MWD
7871.00	90.70	269.00	6549.71	-2.03	-1649.48	1649.47	0.64	0.16	0.62	MWD
7935.00	88.40	269.30	6550.22	-2.98	-1713.46	1713.46	3.62	-3.59	0.47	MWD
7967.00	88.50	269.20	6551.08	-3.40	-1745.45	1745.45	0.44	0.31	-0.31	MWD
7999.00	89.00	269.30	6551.78	-3.82	-1777.44	1777.44	1.59	1.56	0.31	MWD
8031.00	89.70	269.00	6552.14	-4.29	-1809.43	1809.43	2.38	2.19	-0.94	MWD
8063.00	89.10	267.50	6552.48	-5.27	-1841.42	1841.42	5.05	-1.87	-4.69	MWD
8095.00	87.30	268.70	6553.48	-6.33	-1873.38	1873.39	6.76	-5.62	3.75	MWD
8127.00	87.50	270.90	6554.94	-6.44	-1905.34	1905.35	6.90	0.62	6.87	MWD
8158.00	88.70	271.90	6555.96	-5.68	-1936.32	1936.32	5.04	3.87	3.23	MWD
8222.00	89.10	271.60	6557.19	-3.73	-2000.28	2000.27	0.78	0.62	-0.47	MWD
8286.00	88.50	270.60	6558.53	-2.50	-2064.25	2064.24	1.82	-0.94	-1.56	MWD
8318.00	90.30	270.80	6558.87	-2.11	-2096.24	2096.23	5.66	5.62	0.62	MWD
8381.00	91.10	271.00	6558.10	-1.12	-2159.23	2159.21	1.31	1.27	0.32	MWD
8444.00	91.50	270.50	6556.67	-0.30	-2222.21	2222.19	1.02	0.63	-0.79	MWD
8508.00	91.70	270.80	6554.88	0.43	-2286.18	2286.15	0.56	0.31	0.47	MWD
8603.00	90.30	270.40	6553.22	1.42	-2381.16	2381.12	1.53	-1.47	-0.42	MWD
8667.00	89.90	269.90	6553.11	1.59	-2445.16	2445.12	1.00	-0.62	-0.78	MWD
8731.00	90.00	269.70	6553.17	1.37	-2509.16	2509.12	0.35	0.16	-0.31	MWD
8795.00	90.60	269.60	6552.83	0.98	-2573.15	2573.12	0.95	0.94	-0.16	MWD
8858.00	91.10	269.60	6551.90	0.54	-2636.14	2636.11	0.79	0.79	0.00	MWD
8922.00	90.10	269.20	6551.23	-0.13	-2700.14	2700.11	1.68	-1.56	-0.62	MWD
8986.00	90.40	269.30	6550.95	-0.97	-2764.13	2764.11	0.49	0.47	0.16	MWD
9049.00	91.10	269.10	6550.12	-1.85	-2827.12	2827.10	1.16	1.11	-0.32	MWD
9113.00	91.70	269.00	6548.56	-2.91	-2891.09	2891.07	0.95	0.94	-0.16	MWD
9177.00	89.90	269.00	6547.67	-4.03	-2955.07	2955.06	2.81	-2.81	0.00	MWD
9240.00	90.10	269.00	6547.67	-5.13	-3018.06	3018.05	0.32	0.32	0.00	MWD
9303.00	90.40	268.90	6547.39	-6.28	-3081.05	3081.05	0.50	0.48	-0.16	MWD
9367.00	90.50	269.00	6546.89	-7.45	-3145.04	3145.04	0.22	0.16	0.16	MWD
9431.00	89.80	269.40	6546.72	-8.35	-3209.03	3209.04	1.26	-1.09	0.62	MWD
9495.00	90.10	269.20	6546.78	-9.13	-3273.03	3273.03	0.56	0.47	-0.31	MWD
9559.00	90.60	271.80	6546.39	-8.57	-3337.02	3337.02	4.14	0.78	4.06	MWD
9622.00	91.60	272.00	6545.18	-6.48	-3399.97	3399.96	1.62	1.59	0.32	MWD
9686.00	91.60	271.70	6543.39	-4.42	-3463.91	3463.89	0.47	0.00	-0.47	MWD



Ryan Energy Technologies

Survey Report



Company: DEVON ENERGY CORPORATION Date: 9/23/2008 Time: 14:10:20 Page: 4
Field: Eddy Co, NM Co-ordinate(NE) Reference: Site: Shakespeare 20 Federal COM 1H
Site: Shakespeare 20 Federal COM 1H Vertical (TVD) Reference: SITE 0.0
Well: Shakespeare 20 Federal COM 1H Section (VS) Reference: Well (0.00N,0.00E,269.73Azi)
Wellpath: #20 Fed COM 1H Survey Calculation Method: Minimum Curvature Db: Sybase

Survey

MD ft	Incl deg	Azlm deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	Tool/Comment
9749.00	91.30	272.00	6541.80	-2.38	-3526.86	3526.83	0.67	-0.48	0.48	MWD
9812.00	89.80	272.10	6541.19	-0.13	-3589.81	3589.78	2.39	-2.38	0.16	MWD
9876.00	88.90	270.70	6541.92	1.43	-3653.79	3653.74	2.60	-1.41	-2.19	MWD
9939.00	89.20	270.60	6542.96	2.15	-3716.78	3716.73	0.50	0.48	-0.16	MWD
10003.00	89.60	270.70	6543.63	2.87	-3780.77	3780.71	0.64	0.62	0.16	MWD
10067.00	90.20	270.80	6543.74	3.71	-3844.76	3844.70	0.95	0.94	0.16	MWD
10130.00	89.80	270.50	6543.74	4.43	-3907.76	3907.69	0.79	-0.63	-0.48	MWD
10193.00	91.50	269.10	6543.03	4.21	-3970.75	3970.69	3.50	2.70	-2.22	MWD
10257.00	89.50	267.00	6542.47	2.03	-4034.70	4034.65	4.53	-3.12	-3.28	MWD
10320.00	91.80	268.30	6541.76	-0.55	-4097.64	4097.60	4.19	3.65	2.06	MWD
10384.00	92.10	269.10	6539.58	-2.01	-4161.59	4161.55	1.33	0.47	1.25	MWD
10447.00	91.30	269.30	6537.71	-2.88	-4224.55	4224.52	1.31	-1.27	0.32	MWD
10511.00	91.30	269.60	6536.26	-3.50	-4288.53	4288.50	0.47	0.00	0.47	MWD
10575.00	90.10	269.10	6535.48	-4.23	-4352.52	4352.49	2.03	-1.87	-0.78	MWD
10638.00	89.40	269.00	6535.75	-5.27	-4415.51	4415.49	1.12	-1.11	-0.16	MWD
10702.00	89.20	269.50	6536.53	-6.11	-4479.50	4479.48	0.84	-0.31	0.78	MWD
10750.00	89.20	269.50	6537.20	-6.53	-4527.49	4527.48	0.00	0.00	0.00	PROJECTED to TD

Company: DEVON ENERGY CORPORATION	Date: 9/23/2008	Time: 14:10:49	Page: 1
Field: Eddy Co, NM	Co-ordinate(NE) Reference: Site: Shakespeare 20 Federal COM 1H		
Site: Shakespeare 20 Federal COM 1H	Vertical (TVD) Reference: SITE 00		
Well: Shakespeare 20 Federal COM 1H	Section (VS) Reference: Well (0.00N,0.00E,269.73Azi)		
Wellpath: #20 Fed COM 1H	Survey Calculation Method: Minimum Curvature	Db: Sybase	

Field: Eddy Co, NM

USA

Map System: US State Plane Coordinate System 1983**Geo Datum:** GRS 1980**Sys Datum:** Mean Sea Level**Map Zone:** New Mexico, Eastern Zone**Coordinate System:** Site Centre**Geomagnetic Model:** igr2005**Site:** Shakespeare 20 Federal COM 1H
Eddy Co, NM

Site Position:	Northing: 691727.97 ft	Latitude: 32 54 5.371 N
From: Map	Easting: 585165.54 ft	Longitude: 104 11 25.930 W
Position Uncertainty: 0.00 ft		North Reference: Grid
Ground Level: 3608.00 ft		Grid Convergence: 0.08 deg

Well: Shakespeare 20 Federal COM 1H**Slot Name:**

Well Position: +N/-S 0.00 ft	Northing: 691727.97 ft	Latitude: 32 54 5.371 N
+E/-W 0.00 ft	Easting: 585165.54 ft	Longitude: 104 11 25.930 W
Position Uncertainty: 0.00 ft		

Wellpath: #20 Fed COM 1H

Current Datum: SITE	Height 0.00 ft	Drilled From: Surface
Magnetic Data: 7/30/2008		Tie-on Depth: 0.00 ft
Field Strength: 49294 nT		Above System Datum: Mean Sea Level
Vertical Section: Depth From (TVD)		Declination: 8.26 deg
ft	+N/-S ft	Mag Dip Angle: 60.79 deg
	ft	+E/-W ft
		Direction deg
0.00	0.00	0.00 269.73

Survey Program for Definitive Wellpath**Date:** 9/23/2008 **Validated:** No**Version:** 1

Actual From	To	Survey	Toolcode	Tool Name
ft	ft			

277.00	1885.00	Survey #1 (277.00-1885.00)	Totco Survey	
1900.50	5800.00	Survey #2 (1900.50-5800.00)	Gyro	Good Gyro
5840.00	10702.00	Survey #3 (5840.00-10702.00)	MWD	
10750.00	10750.00	Survey #4 (10750.00-10750.00)	Projection	Projected to TD

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
277.00	0.50	277.00	-1.11	112.91	-0.47	1.11	1.21	112.91	0.18	Totco Survey
559.00	1.00	558.97	-4.50	112.91	-1.91	4.51	4.90	112.91	0.18	Totco Survey
817.00	1.00	816.93	-8.64	112.91	-3.66	8.66	9.40	112.91	0.00	Totco Survey
1291.00	0.25	1290.90	-13.40	112.91	-5.67	13.42	14.57	112.91	0.16	Totco Survey
1885.00	0.75	1884.88	-18.16	112.91	-7.69	18.20	19.76	112.91	0.08	Totco Survey
1900.50	0.69	1900.37	-18.34	112.91	-7.77	18.38	19.95	112.91	0.39	Gyro
2000.00	0.63	1999.87	-18.82	352.58	-7.46	18.86	20.28	111.58	1.15	Gyro
2100.00	0.59	2099.87	-18.74	358.17	-6.40	18.77	19.83	108.82	0.07	Gyro
2200.00	0.74	2199.86	-18.66	354.02	-5.24	18.69	19.41	105.67	0.16	Gyro
2300.00	0.69	2299.85	-18.58	357.67	-4.00	18.60	19.02	102.13	0.07	Gyro
2400.00	0.68	2399.84	-18.37	341.37	-2.83	18.38	18.60	98.76	0.19	Gyro
2500.00	0.62	2499.84	-17.97	336.50	-1.77	17.98	18.06	95.64	0.08	Gyro
2600.00	0.53	2599.83	-17.57	335.79	-0.86	17.57	17.59	92.79	0.09	Gyro
2700.00	0.53	2699.83	-17.10	323.21	-0.06	17.10	17.10	90.22	0.12	Gyro
2800.00	0.43	2799.83	-16.61	323.92	0.61	16.61	16.62	87.90	0.10	Gyro
2900.00	0.37	2899.82	-16.17	317.27	1.15	16.17	16.21	85.93	0.08	Gyro
3000.00	0.29	2999.82	-15.81	325.40	1.60	15.80	15.88	84.24	0.09	Gyro
3100.00	0.22	3099.82	-15.61	342.48	1.99	15.60	15.73	82.74	0.10	Gyro
3200.00	0.37	3199.82	-15.71	28.31	2.45	15.70	15.89	81.12	0.27	Gyro

Company: DEVON ENERGY CORPORATION	Date: 9/23/2008	Time: 14:10:49	Page: 2
Field: Eddy Co NM	Co-ordinate(NE) Reference:	Site: Shakespeare 20 Federal COM 1H	
Site: Shakespeare 20 Federal COM 1H	Vertical (TVD) Reference:	SITE: 00	
Well: Shakespeare 20 Federal COM 1H	Section (VS) Reference:	Well: (0.00N,0.00E,269.73Azi)	
Wellpath: #20 Fed COM 1H	Survey Calculation Method: Minimum Curvature	Db: Sybase	

Survey

MD ft	Incl deg	TVD ft	VS ft	Azim deg	N/S ft	E/W ft	Cls D ft	Cls A deg	DLS deg/100ft	TOOL TYPE
3300.00	0.29	3299.82	-16.06	52.52	2.89	16.05	16.31	79.79	0.16	Gyro
3400.00	0.34	3399.82	-16.54	69.67	3.15	16.53	16.83	79.21	0.11	Gyro
3500.00	0.24	3499.81	-16.96	139.12	3.09	16.95	17.23	79.65	0.34	Gyro
3600.00	0.27	3599.81	-17.21	151.96	2.73	17.19	17.41	80.99	0.06	Gyro
3700.00	0.29	3699.81	-17.38	165.16	2.28	17.37	17.52	82.54	0.07	Gyro
3800.00	0.29	3799.81	-17.41	187.76	1.78	17.40	17.49	84.16	0.11	Gyro
3900.00	0.36	3899.81	-17.23	207.35	1.25	17.22	17.27	85.85	0.13	Gyro
4000.00	0.33	3999.81	-16.95	206.48	0.71	16.95	16.96	87.59	0.03	Gyro
4100.00	0.37	4099.81	-16.73	196.31	0.15	16.73	16.73	89.50	0.07	Gyro
4200.00	0.30	4199.80	-16.57	194.39	-0.42	16.57	16.58	91.44	0.07	Gyro
4300.00	0.29	4299.80	-16.37	211.30	-0.89	16.38	16.40	93.10	0.09	Gyro
4400.00	0.37	4399.80	-15.98	232.02	-1.30	15.99	16.04	94.66	0.14	Gyro
4500.00	0.39	4499.80	-15.43	241.84	-1.66	15.44	15.53	96.15	0.07	Gyro
4600.00	0.27	4599.80	-14.95	229.79	-1.97	14.96	15.09	97.52	0.14	Gyro
4700.00	0.15	4699.80	-14.67	224.74	-2.22	14.68	14.85	98.60	0.12	Gyro
4800.00	0.19	4799.80	-14.43	291.80	-2.25	14.44	14.61	98.86	0.19	Gyro
4900.00	0.17	4899.80	-14.15	302.27	-2.11	14.16	14.32	98.48	0.04	Gyro
5000.00	0.20	4999.80	-13.85	280.82	-2.00	13.86	14.01	98.20	0.07	Gyro
5100.00	0.23	5099.79	-13.50	293.26	-1.89	13.51	13.64	97.95	0.06	Gyro
5200.00	0.28	5199.79	-13.16	320.38	-1.62	13.17	13.27	97.01	0.13	Gyro
5300.00	0.25	5299.79	-12.99	356.65	-1.21	13.00	13.05	95.33	0.17	Gyro
5400.00	0.35	5399.79	-13.08	18.18	-0.71	13.08	13.10	93.09	0.15	Gyro
5500.00	0.31	5499.79	-13.33	36.14	-0.20	13.33	13.34	90.84	0.11	Gyro
5600.00	0.59	5599.79	-13.84	42.40	0.40	13.84	13.85	88.34	0.28	Gyro
5700.00	0.51	5699.78	-14.49	42.12	1.11	14.49	14.53	85.61	0.08	Gyro
5800.00	0.56	5799.78	-15.17	50.44	1.75	15.16	15.26	83.40	0.09	Gyro
5840.00	3.60	5839.75	-14.08	279.80	2.09	14.08	14.23	81.55	9.97	MWD
5872.00	9.30	5871.54	-10.52	274.70	2.48	10.51	10.79	76.74	17.88	MWD
5904.00	15.60	5902.77	-3.63	271.20	2.78	3.62	4.56	52.50	19.82	MWD
5935.00	20.60	5932.23	5.99	269.80	2.85	-6.01	6.65	295.35	16.19	MWD
5967.00	22.50	5961.99	17.75	269.20	2.74	-17.76	17.97	278.77	5.98	MWD
5999.00	24.30	5991.36	30.46	269.30	2.57	-30.47	30.58	274.83	5.63	MWD
6030.00	26.30	6019.38	43.70	270.40	2.54	-43.71	43.79	273.33	6.63	MWD
6062.00	28.00	6047.85	58.30	270.40	2.65	-58.32	58.38	272.60	5.31	MWD
6094.00	30.00	6075.84	73.82	269.80	2.67	-73.83	73.88	272.07	6.32	MWD
6125.00	31.90	6102.43	89.76	269.20	2.53	-89.77	89.81	271.61	6.21	MWD
6158.00	33.50	6130.19	107.58	268.80	2.22	-107.59	107.62	271.18	4.89	MWD
6189.00	34.50	6155.89	124.91	268.40	1.79	-124.92	124.94	270.82	3.31	MWD
6222.00	35.70	6182.89	143.88	267.80	1.16	-143.89	143.89	270.46	3.78	MWD
6254.00	36.30	6208.78	162.68	268.10	0.49	-162.69	162.69	270.17	1.95	MWD
6285.00	36.90	6233.67	181.16	269.30	0.07	-181.16	181.16	270.02	3.01	MWD
6317.00	38.60	6258.97	200.75	269.10	-0.20	-200.75	200.75	269.94	5.33	MWD
6349.00	40.30	6283.68	221.08	269.70	-0.41	-221.08	221.08	269.89	5.44	MWD
6381.00	42.20	6307.74	242.18	270.70	-0.34	-242.18	242.18	269.92	6.28	MWD
6412.00	43.50	6330.46	263.26	271.20	0.01	-263.26	263.26	270.00	4.33	MWD
6444.00	44.80	6353.42	285.53	271.60	0.56	-285.54	285.54	270.11	4.15	MWD
6476.00	46.50	6375.79	308.41	270.50	0.98	-308.42	308.42	270.18	5.85	MWD
6508.00	48.20	6397.47	331.94	270.60	1.20	-331.95	331.95	270.21	5.32	MWD
6540.00	50.30	6418.36	356.18	271.00	1.54	-356.19	356.19	270.25	6.63	MWD
6633.00	55.00	6474.77	430.05	272.20	3.63	-430.07	430.08	270.48	5.16	MWD
6665.00	57.00	6492.66	456.56	270.40	4.23	-456.59	456.61	270.53	7.80	MWD
6697.00	59.00	6509.62	483.70	269.80	4.27	-483.72	483.74	270.51	6.45	MWD
6729.00	65.40	6524.53	511.99	270.20	4.28	-512.01	512.03	270.48	20.03	MWD



Ryan Energy Technologies COMPLETION REPORT



Company: DEVON ENERGY CORPORATION
Field: Eddy Co, NM
Site: Shakespeare 20 Federal COM 1H
Well: Shakespeare 20 Federal COM 1H
Wellpath: #20 Fed COM 1H

Date: 9/23/2008 Time: 14:10:49 Page: 3
Co-ordinate(NE) Reference: Site: Shakespeare 20 Federal COM 1H
Vertical (TVD) Reference: SITE 0.0
Section (VS) Reference: Well (0.00N,0.00E,269.73Azi)
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
6761.00	73.80	6535.68	541.95	271.20	4.65	-541.98	542.00	270.49	26.41	MWD
6793.00	80.80	6542.71	573.13	272.50	5.66	-573.16	573.19	270.57	22.23	MWD
6825.00	81.50	6547.63	604.71	272.60	7.07	-604.75	604.79	270.67	2.21	MWD
6857.00	81.70	6552.31	636.32	272.60	8.50	-636.37	636.43	270.77	0.62	MWD
6887.00	83.10	6556.28	666.03	271.90	9.67	-666.08	666.15	270.83	5.21	MWD
6919.00	86.20	6559.26	697.86	272.00	10.76	-697.92	698.00	270.88	9.69	MWD
6950.00	90.80	6560.07	728.82	271.80	11.78	-728.88	728.98	270.93	14.85	MWD
6981.00	92.50	6559.18	759.79	272.00	12.81	-759.85	759.96	270.97	5.52	MWD
7045.00	91.30	6557.06	823.73	270.50	14.20	-823.80	823.92	270.99	3.00	MWD
7109.00	90.50	6556.05	887.72	269.40	14.15	-887.79	887.90	270.91	2.13	MWD
7173.00	89.80	6555.88	951.71	269.30	13.42	-951.79	951.88	270.81	1.10	MWD
7235.00	89.80	6556.10	1013.71	269.00	12.50	-1013.78	1013.86	270.71	0.48	MWD
7299.00	90.20	6556.10	1077.70	268.60	11.16	-1077.76	1077.82	270.59	0.88	MWD
7362.00	90.20	6555.88	1140.68	268.30	9.46	-1140.74	1140.78	270.48	0.48	MWD
7425.00	89.10	6556.26	1203.65	267.50	7.15	-1203.70	1203.72	270.34	2.16	MWD
7489.00	89.60	6556.99	1267.61	267.90	4.58	-1267.64	1267.65	270.21	1.00	MWD
7553.00	90.40	6556.99	1331.59	269.30	3.02	-1331.62	1331.62	270.13	2.52	MWD
7616.00	91.90	6555.73	1394.58	269.60	2.41	-1394.60	1394.60	270.10	2.43	MWD
7680.00	91.80	6553.66	1458.54	269.40	1.86	-1458.57	1458.57	270.07	0.35	MWD
7744.00	91.70	6551.70	1522.51	268.70	0.79	-1522.53	1522.53	270.03	1.10	MWD
7807.00	90.60	6550.44	1585.48	268.60	-0.69	-1585.50	1585.50	269.98	1.75	MWD
7871.00	90.70	6549.71	1649.47	269.00	-2.03	-1649.48	1649.48	269.93	0.64	MWD
7935.00	88.40	6550.22	1713.46	269.30	-2.98	-1713.46	1713.47	269.90	3.62	MWD
7967.00	88.50	6551.08	1745.45	269.20	-3.40	-1745.45	1745.45	269.89	0.44	MWD
7999.00	89.00	6551.78	1777.44	269.30	-3.82	-1777.44	1777.44	269.88	1.59	MWD
8031.00	89.70	6552.14	1809.43	269.00	-4.29	-1809.43	1809.44	269.86	2.38	MWD
8063.00	89.10	6552.48	1841.42	267.50	-5.27	-1841.42	1841.42	269.84	5.05	MWD
8095.00	87.30	6553.48	1873.39	268.70	-6.33	-1873.38	1873.39	269.81	6.76	MWD
8127.00	87.50	6554.94	1905.35	270.90	-6.44	-1905.34	1905.36	269.81	6.90	MWD
8158.00	88.70	6555.96	1936.32	271.90	-5.68	-1936.32	1936.33	269.83	5.04	MWD
8222.00	89.10	6557.19	2000.27	271.60	-3.73	-2000.28	2000.28	269.89	0.78	MWD
8286.00	88.50	6558.53	2064.24	270.60	-2.50	-2064.25	2064.25	269.93	1.82	MWD
8318.00	90.30	6558.87	2096.23	270.80	-2.11	-2096.24	2096.24	269.94	5.66	MWD
8381.00	91.10	6558.10	2159.21	271.00	-1.12	-2159.23	2159.23	269.97	1.31	MWD
8444.00	91.50	6556.67	2222.19	270.50	-0.30	-2222.21	2222.21	269.99	1.02	MWD
8508.00	91.70	6554.88	2286.15	270.80	0.43	-2286.18	2286.18	270.01	0.56	MWD
8603.00	90.30	6553.22	2381.12	270.40	1.42	-2381.16	2381.16	270.03	1.53	MWD
8667.00	89.90	6553.11	2445.12	269.90	1.59	-2445.16	2445.16	270.04	1.00	MWD
8731.00	90.00	6553.17	2509.12	269.70	1.37	-2509.16	2509.16	270.03	0.35	MWD
8795.00	90.60	6552.83	2573.12	269.60	0.98	-2573.15	2573.15	270.02	0.95	MWD
8858.00	91.10	6551.90	2636.11	269.60	0.54	-2636.14	2636.14	270.01	0.79	MWD
8922.00	90.10	6551.23	2700.11	269.20	-0.13	-2700.14	2700.14	270.00	1.68	MWD
8986.00	90.40	6550.95	2764.11	269.30	-0.97	-2764.13	2764.13	269.98	0.49	MWD
9049.00	91.10	6550.12	2827.10	269.10	-1.85	-2827.12	2827.12	269.96	1.16	MWD
9113.00	91.70	6548.56	2891.07	269.00	-2.91	-2891.09	2891.09	269.94	0.95	MWD
9177.00	89.90	6547.67	2955.06	269.00	-4.03	-2955.07	2955.07	269.92	2.81	MWD
9240.00	90.10	6547.67	3018.05	269.00	-5.13	-3018.06	3018.07	269.90	0.32	MWD
9303.00	90.40	6547.39	3081.05	268.90	-6.28	-3081.05	3081.06	269.88	0.50	MWD
9367.00	90.50	6546.89	3145.04	269.00	-7.45	-3145.04	3145.05	269.86	0.22	MWD
9431.00	89.80	6546.72	3209.04	269.40	-8.35	-3209.03	3209.04	269.85	1.26	MWD
9495.00	90.10	6546.78	3273.03	269.20	-9.13	-3273.03	3273.04	269.84	0.56	MWD
9559.00	90.60	6546.39	3337.02	271.80	-8.57	-3337.02	3337.03	269.85	4.14	MWD



Ryan Energy Technologies

COMPLETION REPORT



Company:	DEVON ENERGY CORPORATION	Date:	9/23/2008	Time:	14:10:49	Page:	4
Field:	Eddy Co, NM	Co-ordinate(NE) Reference:	Site: Shakespeare 20 Federal COM 1H				
Site:	Shakespeare 20 Federal COM 1H	Vertical (TVD) Reference:	SITE 0.0				
Well:	Shakespeare 20 Federal COM 1H	Section (VS) Reference:	Well (0.00N,0.00E,269.73Azi)				
Wellpath:	#20 Fed COM 1H	Survey Calculation Method:	Minimum Curvature	Db:	Sybase		

Survey

MD ft	Incl deg	TVD ft	VS ft	Azim deg	N/S ft	E/W ft	Cl&D ft	Cl&A deg	DLS deg/100ft	TOOL TYPE
9622.00	91.60	6545.18	3399.96	272.00	-6.48	-3399.97	3399.98	269.89	1.62	MWD
9686.00	91.60	6543.39	3463.89	271.70	-4.42	-3463.91	3463.91	269.93	0.47	MWD
9749.00	91.30	6541.80	3526.83	272.00	-2.38	-3526.86	3526.86	269.96	0.67	MWD
9812.00	89.80	6541.19	3589.78	272.10	-0.13	-3589.81	3589.81	270.00	2.39	MWD
9876.00	88.90	6541.92	3653.74	270.70	1.43	-3653.79	3653.79	270.02	2.60	MWD
9939.00	89.20	6542.96	3716.73	270.60	2.15	-3716.78	3716.78	270.03	0.50	MWD
10003.00	89.60	6543.63	3780.71	270.70	2.87	-3780.77	3780.77	270.04	0.64	MWD
10067.00	90.20	6543.74	3844.70	270.80	3.71	-3844.76	3844.76	270.06	0.95	MWD
10130.00	89.80	6543.74	3907.69	270.50	4.43	-3907.76	3907.76	270.06	0.79	MWD
10193.00	91.50	6543.03	3970.69	269.10	4.21	-3970.75	3970.75	270.06	3.50	MWD
10257.00	89.50	6542.47	4034.65	267.00	2.03	-4034.70	4034.70	270.03	4.53	MWD
10320.00	91.80	6541.76	4097.60	268.30	-0.55	-4097.64	4097.64	269.99	4.19	MWD
10384.00	92.10	6539.58	4161.55	269.10	-2.01	-4161.59	4161.59	269.97	1.33	MWD
10447.00	91.30	6537.71	4224.52	269.30	-2.88	-4224.55	4224.55	269.96	1.31	MWD
10511.00	91.30	6536.26	4288.50	269.60	-3.50	-4288.53	4288.53	269.95	0.47	MWD
10575.00	90.10	6535.48	4352.49	269.10	-4.23	-4352.52	4352.52	269.94	2.03	MWD
10638.00	89.40	6535.75	4415.49	269.00	-5.27	-4415.51	4415.52	269.93	1.12	MWD
10702.00	89.20	6536.53	4479.48	269.50	-6.11	-4479.50	4479.51	269.92	0.84	MWD
10750.00	89.20	6537.20	4527.48	269.50	-6.53	-4527.49	4527.50	269.92	0.00	PROJECTED to TD