

Submit To Appropriate District Office Two Copies District I 1625 N. French Dr., Hobbs, NM 88240 District II 1301 W. Grand Avenue, Artesia, NM 88210 District III 1000 Rio Brazos Rd., Aztec, NM 87410 District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505	State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 SEP 11 2008 OCD-ARTESIA	Form C-105 July 17, 2008 1. WELL API NO. 2. 30-015-36078 2. Type of Lease ☒ STATE ☐ FEE ☐ FED/INDIAN 3. State Oil & Gas Lease No. S
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WELL COMPLETION OR RECOMPLETION REPORT AND LOG

4. Reason for filing: ☒ COMPLETION REPORT (Fill in boxes #1 through #31 for State and Fee wells only) ☐ C-144 CLOSURE ATTACHMENT (Fill in boxes #1 through #9, #15 Date Rig Released and #32 and/or #33; attach this and the plat to the C-144 closure report in accordance with 19.15.17.13.K NMAC)	5. Lease Name or Unit Agreement Name SPUD 16 STATE 6. Well Number: 7H
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7. Type of Completion:
☒ NEW WELL ☐ WORKOVER ☐ DEEPENING ☐ PLUGBACK ☐ DIFFERENT RESERVOIR ☐ OTHER

8. Name of Operator DEVON ENERGY PRODUCTION CO. L.P.	9. OGRID 6137
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10. Address of Operator 20 N. Broadway, Oklahoma City, OK 73102-8260	11. Pool name or Wildcat HARROUN RANCH; DELAWARE NE
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12. Location	Unit Ltr	Section	Township	Range	Lot	Feet from the	N/S Line	Feet from the	E/W Line	County
Surface:	D	16	23S	29E		910	NORTH	810	WEST	EDDY
BH:	M	16	23S	29E		330	SOUTH	430	WEST	EDDY

13. Date Spudded 6/09/08	14. Date T.D. Reached 7/22/08	15. Date Rig Released 8/22/08	16. Date Completed (Ready to Produce) 8/22/08	17. Elevations (DF and RKB, RT, GR, etc.) 2970' GL
18. Total Measured Depth of Well 10,424' MD 6479' TVD		19. Plug Back Measured Depth 10,248'	20. Was Directional Survey Made? YES	21. Type Electric and Other Logs Run GR/CNL/CCL

22. Producing Interval(s), of this completion - Top, Bottom, Name
7026-7028'

23. CASING RECORD (Report all strings set in well)					
CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
13 3/8"	48# H-40 ST&C	365'	17 1/2"	350sx CL C	Circ to surf
9 5/8"	40# J55/K55 LT&C	2935'	12 1/4"	1250sx CL C	150 sx to pit
5 1/2"	17# J55 LT&C	10242'	8 1/2"	900sx C; 900sx H	

24. LINER RECORD				25. TUBING RECORD		
SIZE	TOP	BOTTOM	SACKS CEMENT	SIZE	DEPTH SET	PACKER SET
				2 7/8"	5904'	

26. Perforation record (interval, size, and number) 9744-9750 @ 6 spf: 36 shots 8870-9319 @ 2 spf: 12 shots 7048-8870' @ 12 spf: 60 shots	27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC. <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th>DEPTH INTERVAL</th><th>AMOUNT AND KIND MATERIAL USED</th></tr> <tr> <td>10231-34'</td><td>2500 15% acid 313 bbls linear gel</td></tr> <tr> <td>9744-50'</td><td>1K g 15% HCL/500 g acid; 1800# 100 mesh sd</td></tr> <tr> <td>8870-9319'</td><td>Acidize w/1500g 15% HCL, 1800# mesh sd 92756# 20/40 wh sd, 26,300# 16/30 Siberprop sd 78K g Spectra Star 2500 gel w/ 1500g HCL /gel wtr. Frac w/ 1K g 15% acid 1750# 100 mesh sd, 97,750# 20/40 white sd 26,250# 16/30 Siberprop sd 80K g Spectra Star 200 gel (see attached)</td></tr> <tr> <td>8313-8323'</td><td></td></tr> <tr> <td>7026-7865'</td><td></td></tr> </table>	DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED	10231-34'	2500 15% acid 313 bbls linear gel	9744-50'	1K g 15% HCL/500 g acid; 1800# 100 mesh sd	8870-9319'	Acidize w/1500g 15% HCL, 1800# mesh sd 92756# 20/40 wh sd, 26,300# 16/30 Siberprop sd 78K g Spectra Star 2500 gel w/ 1500g HCL /gel wtr. Frac w/ 1K g 15% acid 1750# 100 mesh sd, 97,750# 20/40 white sd 26,250# 16/30 Siberprop sd 80K g Spectra Star 200 gel (see attached)	8313-8323'		7026-7865'	
DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED												
10231-34'	2500 15% acid 313 bbls linear gel												
9744-50'	1K g 15% HCL/500 g acid; 1800# 100 mesh sd												
8870-9319'	Acidize w/1500g 15% HCL, 1800# mesh sd 92756# 20/40 wh sd, 26,300# 16/30 Siberprop sd 78K g Spectra Star 2500 gel w/ 1500g HCL /gel wtr. Frac w/ 1K g 15% acid 1750# 100 mesh sd, 97,750# 20/40 white sd 26,250# 16/30 Siberprop sd 80K g Spectra Star 200 gel (see attached)												
8313-8323'													
7026-7865'													

28. PRODUCTION							
Date First Production 8/22/08		Production Method (Flowing, gas lift, pumping - Size and type pump) Pumping (4 1/2" OD ESP)			Well Status (Prod. or Shut-in) Producing		
Date of Test 9/04/08	Hours Tested	Choke Size	Prod'n For Test Period	Oil - Bbl 120	Gas - MCF 109	Water - Bbl. 794	Gas - Oil Ratio
Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API - (Corr.)	

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

30. Test Witnessed By

31. List Attachments

32. If a temporary pit was used at the well, attach a plat with the location of the temporary pit.

33. If an on-site burial was used at the well, report the exact location of the on-site burial:

Latitude	Longitude	NAD 1927 1983
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I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief

Signature	Printed Name Judy A. Barnett	Title Regulatory Analyst	Date 9/09/08
E-mail Address			

This form is to be filed with the appropriate District Office of the Division not later than 20 days after the completion of any newly-drilled or deepened well and not later than 60 days after completion of closure. When submitted as a completion report, this shall be accompanied by one copy of all electrical and radio-activity logs run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, items 11, 12 and 26-31 shall be reported for each zone.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

Southeastern New Mexico				Northwestern New Mexico			
T. Anhy	T. Canyon			T. Ojo Alamo			T. Penn A"
T. Salt	T. Strawn			T. Kirtland			T. Penn. "B"
B. Salt	T. Atoka			T. Fruitland			T. Penn. "C"
T. Yates	T. Miss			T. Pictured Cliffs			T. Penn. "D"
T. 7 Rivers	T. Devonian			T. Cliff House			T. Leadville
T. Queen	T. Silurian			T. Menefee			T. Madison
T. Grayburg	T. Montoya			T. Point Lookout			T. Elbert
T. San Andres	T. Simpson			T. Mancos			T. McCracken
T. Glorieta	T. McKee			T. Gallup			T. Ignacio Otzte
T. Paddock	T. Ellenburger			Base Greenhorn			T. Granite
T. Blinebry	T. Gr. Wash			T. Dakota			
T. Tubb	T. Delaware Sand	2971		T. Morrison			
T. Drinkard	T. Bone Springs			T. Todilto			
T. Abo	T. Delaware	2908		T. Entrada			
T. Wolfcamp	T. Cherry Canyon	3808		T. Wingate			
T. Penn	T. Brushy Canyon	4965		T. Chinle			
T. Cisco (Bough C)	T.			T. Permian			

OIL OR GAS SANDS OR
ZONES

No. 1, from.....to.....
No. 2, from.....to.....

No. 3, from.....to.....
No. 4, from.....to.....

IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from.....to.....feet.....

No. 2, from.....to.....feet.....

No. 3, from..... to..... feet.....

LITHOLOGY RECORD (Attach additional sheet if necessary)

LITHOLOGY RECORD (Attach additional sheet if necessary)				LITHOLOGY RECORD (Attach additional sheet if necessary)			
From	To	Thickness In Feet	Lithology	From	To	Thickness In Feet	Lithology

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Spud 16 State 7H
API# 30-015-36078
9/09/08

8313-23' Perf @ 6 spf: 60 holes. .

Perf on coiled tbg 8313-14'. Spot acid & broke down perms. FRAC 8313-14' w/ 1000 G 15% HCl, 79,480# 20/40 white sand + 19,403# 16/30 Siberprop in 61.6k G 25# XLG (5TH stg of 8). AIR = 30 BPM @ 1719 PSI. Max = 35.3 BPM. Drop 3-1/2" ball and flush w/ 1500 G HCl + gel water. "Screened out" w/ 18 bbl short of sleeve @ 7966'. TIH w/ 2-1/8" wash tool on 2" coil tubing. Washed out and pushed ball to sleeve @ 7965'. Could not pump into ports. PF 7855-65', 7482-88' @ 6 spf & misfire @ 7022-28'. PF 7026' - 28' @ 6 SPF. 12 holes w/ 0.41" diameter. FRAC 7026'-7865' w/ 4500 G HCl, 205,220# 20-40 white sand + 40,940# 16-30 Siberprop in 13,222 G linear + 209k G 25# XLG. Screen out while flushing 16-30 Siberprop. Multiple hydration unit problems during job. Left 11,168# 16/30 sand in csg after screen out. AIR = 65 BPM @ 2790 PSI,



Ryan Energy Directional Drilling Report

Field: Eddy Co, NM
Site: Spud 16 State 7H
Well: Spud 16 State 7H
Wellpath: 16-7H

Prepared For:

DEVON ENERGY CORPORATION



Ryan Energy Technology

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

www.ryanenergy.com

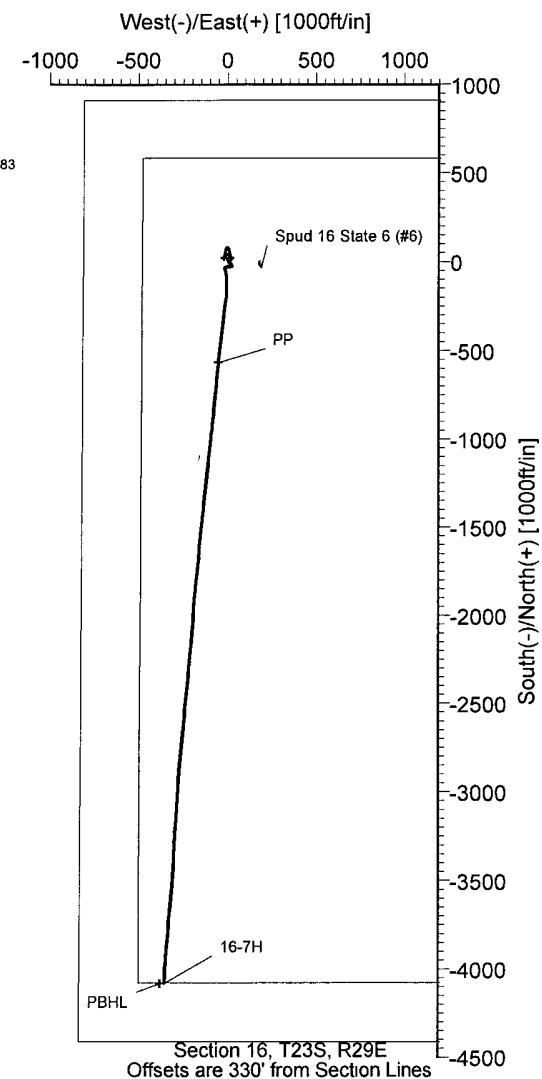
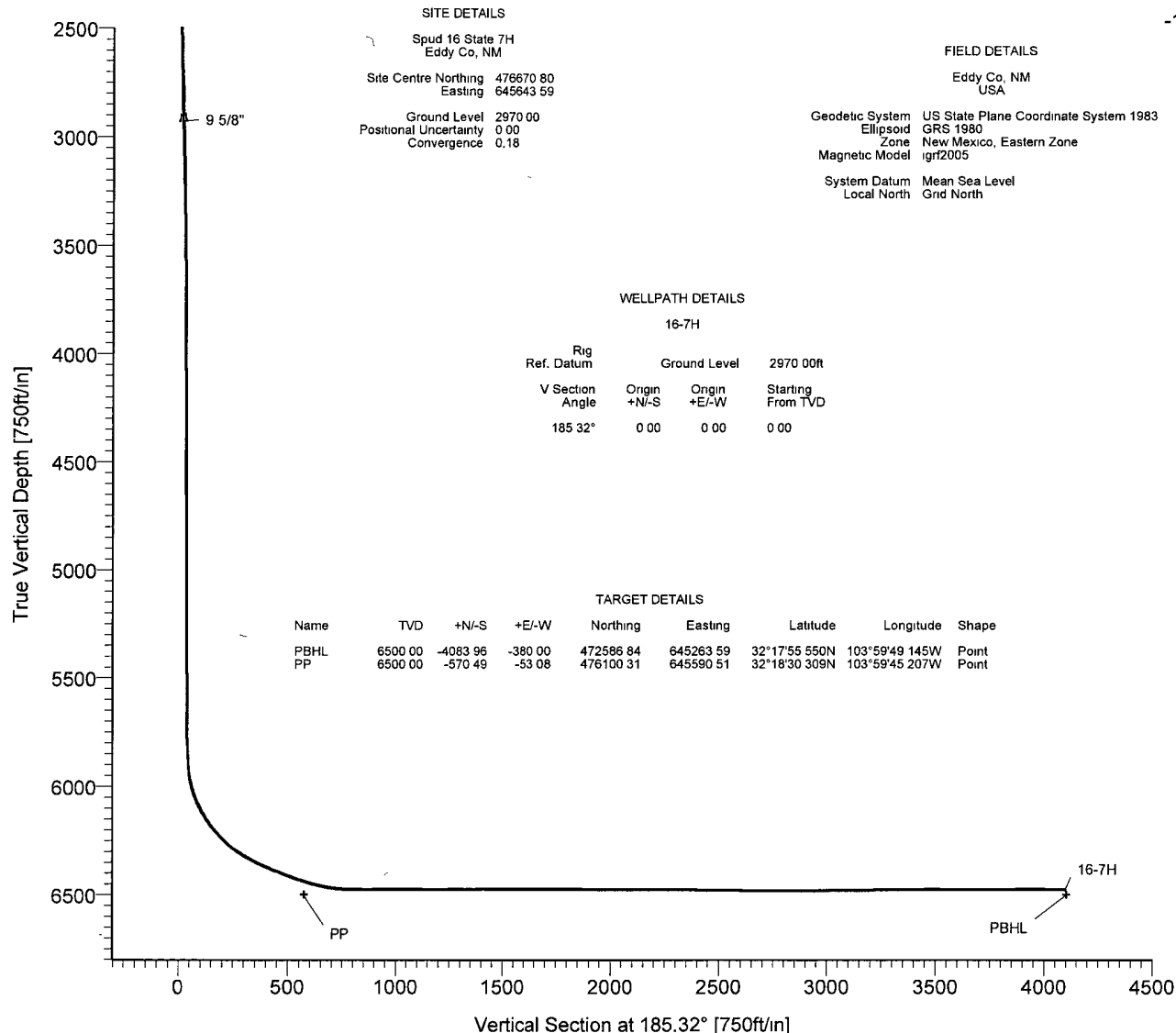


DEVON ENERGY CORPORATION

Field: Eddy Co, NM
Site: Spud 16 State 7H
Well: Spud 16 State 7H
Wellpath: 16-7H



Azimuths to Grid North
True North -0 18°
Magnetic North 7 96°
Magnetic Field
Strength 48973nT
Dip Angle 60 28°
Date 6/6/2008
Model igr2005



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



Wellpath: (Spud 16 State 7H/16-7H)
Created By Kevin Carr Date 7/1/2008
Checked _____ Date _____
Reviewed _____ Date _____



Ryan Energy Technologies

Survey Report



Company:	DEVON ENERGY CORPORATION	Date:	7/8/2008	Time:	15:29:13	Page:	1
Field:	Eddy Co, NM	Co-ordinate(NE) Reference:	Site: Spud 16 State 7H, Gnd North				
Site:	Spud 16 State 7H	Vertical (TVD) Reference:	Ground Level 2970.0				
Well:	Spud 16 State 7H	Section (VS) Reference:	Well (0.00N,0.00E,185.32Az)				
Wellpath:	16-7H	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: igrf2005

Site: Spud 16 State 7H
Eddy Co, NM

Site Position:	From: Map	Northings:	476670.80 ft	Latitude:	32 18 35.952 N
		Easting:	645643.59 ft	Longitude:	103 59 44.568 W
Position Uncertainty:	0.00 ft			North Reference:	Grid
Ground Level:	2970.00 ft			Grid Convergence:	0.18 deg

Well: Spud 16 State 7H

Slot Name:

Well Position:	+N/-S	0.00 ft	Northings:	476670.80 ft	Latitude:	32 18 35.952 N
	+E/-W	0.00 ft	Easting:	645643.59 ft	Longitude:	103 59 44.568 W
Position Uncertainty:	0.00 ft					

Wellpath: 16-7H

Current Datum:	Ground Level	Height	2970.00 ft	Drilled From:	Surface
Magnetic Data:	6/6/2008			Tie-on Depth:	0.00 ft
Field Strength:	48973 nT			Above System Datum:	Mean Sea Level
Vertical Section:	Depth From (TVD)	+N/-S		Declination:	8.14 deg
	ft	ft		Mag Dip Angle:	60.28 deg
				+E/-W	
				Direction	deg
	0.00	0.00	0.00		185.32

Survey Program for Definitive Wellpath

Date:	7/8/2008	Validated:	No	Version:	0
Actual From	To	Survey		Toolcode	Tool Name
ft	ft				
100.00	2790.00	Survey #1 (100.00-2790.00)		Gyro	Good Gyro
2983.00	10169.00	Survey #2 (2983.00-10169.00)		MMD	
10242.00	10242.00	Survey #3 (10242.00-10242.00)		Projection	Projected to TD

Survey

MD	Incl	Azim	TVD	+N/-S	+E/-W	VS	DLS	Build	Turn	Tool/Comment
ft	deg	deg	ft	ft	ft	ft	deg/100ft	deg/100ft	deg/100ft	
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	TIE LINE
100.00	0.63	351.35	100.00	0.54	-0.08	-0.53	0.63	0.63	0.00	Gyro
200.00	0.72	28.07	199.99	1.64	0.13	-1.65	0.43	0.09	36.72	Gyro
300.00	1.00	50.18	299.98	2.75	1.10	-2.84	0.43	0.28	22.11	Gyro
400.00	0.84	62.78	399.97	3.65	2.42	-3.86	0.26	-0.16	12.60	Gyro
500.00	0.84	55.95	499.96	4.39	3.68	-4.72	0.10	0.00	-6.83	Gyro
600.00	0.64	59.39	599.95	5.09	4.77	-5.51	0.20	-0.20	3.44	Gyro
700.00	0.71	67.79	699.94	5.61	5.82	-6.12	0.12	0.07	8.40	Gyro
800.00	0.54	77.22	799.94	5.95	6.85	-6.56	0.20	-0.17	9.43	Gyro
900.00	0.42	93.01	899.93	6.03	7.68	-6.72	0.18	-0.12	15.79	Gyro
1000.00	0.31	109.65	999.93	5.92	8.30	-6.66	0.15	-0.11	16.64	Gyro
1100.00	0.30	174.29	1099.93	5.57	8.58	-6.34	0.33	-0.01	64.64	Gyro
1200.00	0.41	160.59	1199.93	4.97	8.72	-5.76	0.14	0.11	-13.70	Gyro
1300.00	0.20	167.38	1299.93	4.46	8.88	-5.27	0.21	-0.21	6.79	Gyro
1400.00	0.47	182.93	1399.92	3.88	8.90	-4.69	0.28	0.27	15.55	Gyro
1500.00	0.14	187.65	1499.92	3.35	8.86	-4.16	0.33	-0.33	4.72	Gyro
1600.00	0.53	182.41	1599.92	2.77	8.83	-3.58	0.39	0.39	-5.24	Gyro
1700.00	0.52	222.51	1699.92	1.97	8.50	-2.75	0.36	-0.01	40.10	Gyro
1800.00	0.82	201.58	1799.91	0.97	7.93	-1.70	0.38	0.30	-20.93	Gyro
1900.00	0.86	212.00	1899.90	-0.33	7.27	-0.35	0.16	0.04	10.42	Gyro
2000.00	0.89	216.34	1999.89	-1.59	6.41	0.99	0.07	0.03	4.34	Gyro

Company: DEVON ENERGY CORPORATION	Date: 7/8/2008	Time: 15:29:13	Page: 2
Field: Eddy Co, NM	Co-ordinate(NE) Reference:	Site: Spud:16 State 7H, Grid North	
Site: Spud:16 State 7H	Vertical (TVD) Reference:	Ground Level: 2970.0	
Well: Spud:16 State 7H	Section (VS) Reference:	Well (0 00N,0.00E,185 32Azi)	
Wellpath: 16-7H	Survey Calculation Method: Minimum Curvature	Db: Sybase	

Survey

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	Tool/Comment
2100.00	0.80	191.90	2099.88	-2.90	5.81	2.35	0.37	-0.09	-24.44	Gyro
2200.00	0.72	160.98	2199.87	-4.18	5.87	3.61	0.41	-0.08	-30.92	Gyro
2300.00	0.96	150.35	2299.86	-5.50	6.49	4.87	0.29	0.24	-10.63	Gyro
2400.00	1.23	145.98	2399.84	-7.12	7.50	6.39	0.28	0.27	-4.37	Gyro
2500.00	1.52	133.64	2499.81	-8.92	9.06	8.04	0.41	0.29	-12.34	Gyro
2600.00	1.94	137.98	2599.76	-11.09	11.16	10.01	0.44	0.42	4.34	Gyro
2700.00	1.81	135.61	2699.71	-13.48	13.39	12.18	0.15	-0.13	-2.37	Gyro
2790.00	1.79	141.75	2789.67	-15.60	15.26	14.12	0.22	-0.02	6.82	Gyro
2983.00	2.00	143.30	2982.56	-20.67	19.14	18.80	0.11	0.11	0.80	MWD
3109.00	1.30	162.80	3108.51	-23.79	20.87	21.76	0.70	-0.56	15.48	MWD
3205.00	1.00	157.60	3204.49	-25.61	21.51	23.51	0.33	-0.31	-5.42	MWD
3299.00	1.40	152.40	3298.47	-27.39	22.36	25.20	0.44	0.43	-5.53	MWD
3394.00	0.60	202.40	3393.46	-28.87	22.71	26.65	1.17	-0.84	52.63	MWD
3490.00	0.90	193.20	3489.45	-30.07	22.34	27.87	0.34	0.31	-9.58	MWD
3586.00	0.80	256.30	3585.44	-30.97	21.52	28.84	0.93	-0.10	65.73	MWD
3681.00	0.70	243.20	3680.43	-31.38	20.36	29.36	0.21	-0.11	-13.79	MWD
3776.00	0.90	245.60	3775.42	-31.95	19.16	30.04	0.21	0.21	2.53	MWD
3871.00	0.60	253.50	3870.41	-32.40	18.00	30.60	0.33	-0.32	8.32	MWD
3966.00	0.80	268.90	3965.41	-32.56	16.86	30.86	0.29	0.21	16.21	MWD
4062.00	0.80	249.90	4061.40	-32.80	15.56	31.22	0.28	0.00	-19.79	MWD
4157.00	1.00	262.80	4156.38	-33.13	14.12	31.68	0.30	0.21	13.58	MWD
4252.00	1.00	250.00	4251.37	-33.52	12.52	32.22	0.23	0.00	-13.47	MWD
4347.00	1.00	269.10	4346.36	-33.82	10.91	32.66	0.35	0.00	20.11	MWD
4442.00	0.90	272.30	4441.34	-33.80	9.34	32.79	0.12	-0.11	3.37	MWD
4537.00	0.80	256.10	4536.33	-33.93	7.95	33.05	0.27	-0.11	-17.05	MWD
4632.00	1.00	252.50	4631.32	-34.34	6.51	33.59	0.22	0.21	-3.79	MWD
4727.00	1.00	252.90	4726.31	-34.83	4.93	34.22	0.01	0.00	0.42	MWD
4823.00	1.10	267.30	4822.29	-35.12	3.21	34.67	0.29	0.10	15.00	MWD
4918.00	1.00	257.40	4917.27	-35.34	1.49	35.05	0.22	-0.11	-10.42	MWD
5013.00	1.40	260.00	5012.25	-35.73	-0.46	35.62	0.42	0.42	2.74	MWD
5108.00	1.00	253.00	5107.23	-36.17	-2.40	36.24	0.45	-0.42	-7.37	MWD
5203.00	1.20	262.00	5202.22	-36.55	-4.18	36.78	0.28	0.21	9.47	MWD
5299.00	1.20	255.30	5298.19	-36.95	-6.15	37.36	0.15	0.00	-6.98	MWD
5394.00	1.20	251.00	5393.17	-37.52	-8.05	38.11	0.09	0.00	-4.53	MWD
5489.00	1.00	254.00	5488.16	-38.07	-9.79	38.82	0.22	-0.21	3.16	MWD
5584.00	1.10	267.80	5583.14	-38.34	-11.49	39.24	0.29	0.11	14.53	MWD
5680.00	1.10	252.60	5679.12	-38.65	-13.29	39.71	0.30	0.00	-15.83	MWD
5775.00	1.50	221.60	5774.10	-39.85	-14.99	41.07	0.84	0.42	-32.63	MWD
5837.00	1.70	188.10	5836.08	-41.37	-15.66	42.64	1.52	0.32	-54.03	MWD
5869.00	1.70	173.10	5868.06	-42.31	-15.67	43.58	1.39	0.00	-46.87	MWD
5901.00	3.30	166.40	5900.03	-43.68	-15.39	44.92	5.07	5.00	-20.94	MWD
5933.00	6.10	167.60	5931.92	-46.23	-14.81	47.41	8.75	8.75	3.75	MWD
5965.00	10.20	170.00	5963.59	-50.69	-13.95	51.76	12.85	12.81	7.50	MWD
5996.00	13.90	169.90	5993.90	-57.06	-12.82	58.00	11.94	11.94	-0.32	MWD
6028.00	17.20	169.30	6024.73	-65.49	-11.27	66.26	10.32	10.31	-1.87	MWD
6060.00	21.60	171.40	6054.90	-75.97	-9.51	76.53	13.92	13.75	6.56	MWD
6092.00	25.50	172.80	6084.23	-88.63	-7.77	88.97	12.31	12.19	4.37	MWD
6123.00	28.40	174.30	6111.86	-102.59	-6.20	102.73	9.61	9.35	4.84	MWD
6155.00	31.00	178.60	6139.66	-118.41	-5.24	118.38	10.50	8.12	13.44	MWD
6187.00	34.20	180.10	6166.62	-135.64	-5.05	135.53	10.31	10.00	4.69	MWD
6219.00	37.60	181.50	6192.53	-154.40	-5.33	154.23	10.93	10.62	4.37	MWD
6250.00	41.50	182.50	6216.43	-174.12	-6.02	173.93	12.75	12.58	3.23	MWD
6282.00	44.70	184.40	6239.79	-195.94	-7.35	195.78	10.79	10.00	5.94	MWD
6312.00	47.70	185.30	6260.56	-217.52	-9.18	217.43	10.23	10.00	3.00	MWD



Ryan Energy Technologies

Survey Report



Company:	DEVON ENERGY CORPORATION	Date:	7/8/2008	Time:	15:29:13	Page:	3
Field:	Eddy Co, NM	Co-ordinate(NE) Reference:	Site: Spud 16 State 7H, Grid North				
Site:	Spud 16 State 7H	Vertical (TVD) Reference:	Ground Level 2970.0				
Well:	Spud 16 State 7H	Section (VS) Reference:	Well (0.00N,0.00E,185.32Azi)				
Wellpath:	16-7H	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
6346.00	51.50	186.80	6282.59	-243.26	-11.92	243.32	11.67	11.18	4.41	MWD
6377.00	54.90	188.10	6301.16	-267.86	-15.14	268.12	11.47	10.97	4.19	MWD
6409.00	57.40	188.10	6318.98	-294.17	-18.89	294.66	7.81	7.81	0.00	MWD
6441.00	60.20	187.80	6335.56	-321.28	-22.67	322.00	8.79	8.75	-0.94	MWD
6473.00	62.70	187.50	6350.85	-349.14	-26.41	350.08	7.86	7.81	-0.94	MWD
6504.00	65.00	187.50	6364.51	-376.72	-30.05	377.89	7.42	7.42	0.00	MWD
6536.00	66.70	187.00	6377.60	-405.69	-33.73	407.07	5.50	5.31	-1.56	MWD
6568.00	67.70	186.90	6390.00	-434.97	-37.30	436.56	3.14	3.12	-0.31	MWD
6600.00	68.00	186.80	6402.07	-464.40	-40.83	466.18	0.98	0.94	-0.31	MWD
6631.00	68.80	186.50	6413.48	-493.03	-44.17	495.00	2.73	2.58	-0.97	MWD
6663.00	70.80	185.80	6424.53	-522.88	-47.39	525.02	6.58	6.25	-2.19	MWD
6695.00	71.60	185.50	6434.84	-553.03	-50.37	555.32	2.65	2.50	-0.94	MWD
6727.00	72.50	185.00	6444.70	-583.34	-53.16	585.76	3.18	2.81	-1.56	MWD
6758.00	75.00	185.40	6453.38	-612.98	-55.85	615.52	8.16	8.06	1.29	MWD
6790.00	77.50	185.50	6460.98	-643.92	-58.81	646.60	7.82	7.81	0.31	MWD
6822.00	80.30	185.10	6467.14	-675.18	-61.70	678.00	8.84	8.75	-1.25	MWD
6854.00	83.50	185.50	6471.65	-706.72	-64.63	709.67	10.08	10.00	1.25	MWD
6917.00	88.30	185.10	6476.15	-769.28	-70.43	772.49	7.65	7.62	-0.63	MWD
6981.00	89.40	185.60	6477.44	-832.98	-76.40	836.48	1.89	1.72	0.78	MWD
7045.00	90.70	186.00	6477.38	-896.65	-82.87	900.48	2.13	2.03	0.62	MWD
7077.00	90.40	185.70	6477.07	-928.49	-86.13	932.47	1.33	-0.94	-0.94	MWD
7172.00	90.00	186.00	6476.74	-1022.99	-95.81	1027.47	0.53	-0.42	0.32	MWD
7268.00	89.20	186.50	6477.41	-1118.42	-106.26	1123.45	0.98	-0.83	0.52	MWD
7363.00	90.50	186.00	6477.66	-1212.85	-116.60	1218.44	1.47	1.37	-0.53	MWD
7458.00	89.70	186.30	6477.50	-1307.30	-126.78	1313.42	0.90	-0.84	0.32	MWD
7554.00	90.40	185.90	6477.41	-1402.76	-136.98	1409.42	0.84	0.73	-0.42	MWD
7650.00	89.80	186.40	6477.24	-1498.20	-147.27	1505.40	0.81	-0.62	0.52	MWD
7743.00	90.30	185.00	6477.16	-1590.74	-156.50	1598.40	1.60	0.54	-1.51	MWD
7839.00	90.40	185.10	6476.58	-1686.37	-164.95	1694.40	0.15	0.10	0.10	MWD
7935.00	89.40	185.10	6476.74	-1781.99	-173.49	1790.39	1.04	-1.04	0.00	MWD
8030.00	89.50	185.90	6477.66	-1876.54	-182.59	1885.39	0.85	0.11	0.84	MWD
8125.00	90.10	183.80	6477.99	-1971.20	-190.62	1980.38	2.30	0.63	-2.21	MWD
8221.00	90.00	183.60	6477.90	-2067.00	-196.82	2076.34	0.23	-0.10	-0.21	MWD
8317.00	90.00	185.10	6477.90	-2162.72	-204.10	2172.32	1.56	0.00	1.56	MWD
8412.00	89.80	185.30	6478.07	-2257.33	-212.71	2267.32	0.30	-0.21	0.21	MWD
8507.00	88.70	185.10	6479.31	-2351.93	-221.32	2362.31	1.18	-1.16	-0.21	MWD
8604.00	89.40	185.10	6480.92	-2448.53	-229.94	2459.30	0.72	0.72	0.00	MWD
8699.00	89.40	185.10	6481.92	-2543.15	-238.39	2554.29	0.00	0.00	0.00	MWD
8795.00	89.20	184.90	6483.09	-2638.77	-246.75	2650.29	0.29	-0.21	-0.21	MWD
8890.00	90.20	186.00	6483.59	-2733.34	-255.77	2745.28	1.56	1.05	1.16	MWD
8986.00	89.30	185.00	6484.01	-2828.90	-264.98	2841.28	1.40	-0.94	-1.04	MWD
9082.00	90.90	184.40	6483.84	-2924.57	-272.84	2937.27	1.78	1.67	-0.62	MWD
9177.00	90.90	183.10	6482.35	-3019.35	-279.05	3032.22	1.37	0.00	-1.37	MWD
9265.00	90.20	183.60	6481.50	-3107.20	-284.20	3120.16	0.98	-0.80	0.57	MWD
9360.00	91.60	183.90	6480.01	-3201.98	-290.41	3215.11	1.51	1.47	0.32	MWD
9455.00	90.30	182.80	6478.43	-3296.80	-295.96	3310.04	1.79	-1.37	-1.16	MWD
9551.00	90.50	183.30	6477.76	-3392.66	-301.07	3405.96	0.56	0.21	0.52	MWD
9646.00	89.90	184.00	6477.43	-3487.47	-307.11	3500.92	0.97	-0.63	0.74	MWD
9678.00	89.70	184.70	6477.54	-3519.37	-309.54	3532.92	2.28	-0.62	2.19	MWD
9741.00	89.60	185.10	6477.93	-3582.14	-314.92	3595.91	0.65	-0.16	0.63	MWD
9786.00	89.10	184.90	6478.44	-3626.97	-318.84	3640.91	1.20	-1.11	-0.44	MWD
9837.00	89.80	185.00	6478.93	-3677.78	-323.24	3691.91	1.39	1.37	0.20	MWD
9896.00	89.80	185.00	6479.13	-3736.55	-328.39	3750.90	0.00	0.00	0.00	MWD



Ryan Energy Technologies

Survey Report



Company: DEVON ENERGY CORPORATION	Date: 7/8/2008	Time: 15:29:13	Page: 4
Field: Eddy Co. NM	Co-ordinate(NE) Reference:	Site: Spud 16 State 7H, Grid North	
Site: Spud 16 State 7H	Vertical (TVD) Reference:	Ground Level: 2970.0	
Well: Spud 16 State 7H	Section (VS) Reference:	Well (0.00N, 0.00E, 185.32Azi)	
Wellpath: 16-7H	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
9932.00	91.00	185.20	6478.88	-3772.41	-331.59	3786.90	3.38	3.33	0.56	MWD
10028.00	90.80	185.30	6477.38	-3867.99	-340.37	3882.89	0.23	-0.21	0.10	MWD
10124.00	89.30	183.10	6477.29	-3963.73	-347.40	3978.86	2.77	-1.56	-2.29	MWD
10169.00	89.10	183.20	6477.92	-4008.65	-349.87	4023.83	0.50	-0.44	0.22	MWD
10242.00	89.10	183.20	6479.07	-4081.53	-353.95	4096.77	0.00	0.00	0.00	PROJECTED to TD



Ryan Energy Technologies

COMPLETION REPORT



Company: DEVON ENERGY CORPORATION	Date: 7/8/2008	Time: 15:29:46	Page: 1
Field: Eddy Co, NM	Co-ordinate(NE) Reference:	Site: Spud 16 State 7H, Grid North	
Site: Spud 16 State 7H	Vertical (TVD) Reference:	Ground Level 2970.0	
Well: Spud 16 State 7H	Section (VS) Reference:	Well (0.00N,0.00E,185.32Azi)	
Wellpath: 16-7H	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:

igrf2005

Site: Spud 16 State 7H

Eddy Co, NM

Site Position:	From: Map	Northings:	476670.80 ft	Latitude:	32 18 35 952 N
Position Uncertainty:	0.00 ft	Easting:	645643.59 ft	Longitude:	103 59 44 568 W
Ground Level:	2970.00 ft	North Reference:		Grid	
		Grid Convergence:		0.18 deg	

Well: Spud 16 State 7H

Slot Name:

Well Position:	+N/-S	0.00 ft	Northings:	476670.80 ft	Latitude:	32 18 35.952 N
	+E/-W	0.00 ft	Easting:	645643.59 ft	Longitude:	103 59 44.568 W
Position Uncertainty:	0.00 ft					

Wellpath: 16-7H

Drilled From:

Surface

Current Datum: Ground Level

Height 2970.00 ft

Tie-on Depth:

0.00 ft

Magnetic Data: 6/6/2008

Above System Datum:

Mean Sea Level

Field Strength: 48973 nT

Declination:

8.14 deg

Vertical Section: Depth From (TVD)

+N/-S

Mag Dip Angle:

60.28 deg

ft

ft

+E/-W

Direction

ft

deg

0.00

0 00

0 00

185.32

Survey Program for Definitive Wellpath

Date: 7/8/2008

Validated: No

Version: 0

Actual From To
ft ft

Survey

Toolcode

Tool Name

100.00	2790.00	Survey #1 (100.00-2790.00)	Gyro	Good Gyro
2983.00	10169.00	Survey #2 (2983.00-10169.00)	MMD	
10242.00	10242.00	Survey #3 (10242.00-10242.00)	Projection	Projected to TD

Survey

MD	Incl	TVD	VS	Azim	N/S	E/W	ClsD	ClsA	DLS	TOOL TYPE
ft	deg	ft	ft	deg	ft	ft	ft	deg	deg/100ft	
0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	TIE LINE
100.00	0.63	100.00	-0.53	351.35	0.54	-0.08	0.55	351.35	0.63	Gyro
200.00	0.72	199.99	-1 65	28 07	1.64	0.13	1 65	4.54	0.43	Gyro
300.00	1.00	299.98	-2.84	50.18	2.75	1.10	2.96	21.70	0.43	Gyro
400.00	0 84	399.97	-3.86	62.78	3.65	2.42	4.38	33.53	0.26	Gyro
500.00	0.84	499.96	-4.72	55.95	4.39	3.68	5.73	39.92	0.10	Gyro
600.00	0.64	599.95	-5 51	59 39	5 09	4.77	6 97	43.12	0 20	Gyro
700.00	0.71	699.94	-6.12	67.79	5 61	5.82	8.08	46.06	0.12	Gyro
800.00	0.54	799.94	-6.56	77 22	5 95	6.85	9 07	49.05	0 20	Gyro
900.00	0.42	899.93	-6 72	93 01	6.03	7.68	9.76	51.85	0.18	Gyro
1000.00	0 31	999.93	-6 66	109.65	5.92	8.30	10.19	54.49	0.15	Gyro
1100.00	0.30	1099.93	-6 34	174 29	5.57	8.58	10.23	57.01	0.33	Gyro
1200.00	0 41	1199.93	-5.76	160.59	4.97	8.72	10.04	60 32	0.14	Gyro
1300.00	0.20	1299.93	-5 27	167.38	4.46	8.88	9.94	63.32	0.21	Gyro
1400.00	0 47	1399.92	-4.69	182 93	3.88	8.90	9.71	66.42	0.28	Gyro
1500.00	0 14	1499.92	-4.16	187.65	3.35	8.86	9.48	69 27	0.33	Gyro
1600.00	0.53	1599.92	-3.58	182.41	2.77	8.83	9.25	72 58	0.39	Gyro
1700.00	0.52	1699.92	-2.75	222.51	1.97	8.50	8.73	76.93	0.36	Gyro
1800.00	0.82	1799.91	-1.70	201.58	0.97	7.93	7.99	83.00	0.38	Gyro
1900.00	0.86	1899.90	-0.35	212.00	-0 33	7.27	7.28	92 59	0.16	Gyro
2000.00	0.89	1999.89	0.99	216.34	-1.59	6.41	6.61	103.93	0.07	Gyro



Ryan Energy Technologies

COMPLETION REPORT



Company: DEVON ENERGY CORPORATION
Field: Eddy Co, NM
Site: Spud 16 State 7H
Well: Spud 16 State 7H
Wellpath: 16-7H

Date: 7/8/2008 Time: 15:29:46 Page: 2
Co-ordinate(NE) Reference: Site: Spud 16 State 7H Grid North
Vertical (TVD) Reference: Ground Level 2970.0
Section (VS) Reference: Well (0.00N,0.00E,185.32Azi)
Survey Calculation Method: Minimum Curvature Db: Sybase

Survey

MD ft	Incl deg	TVD ft	VS ft	Azim deg	N/S ft	EW ft	ClsD ft	ClsA deg	DLS deg/100ft	TOOL TYPE
2100.00	0.80	2099.88	2.35	191.90	-2.90	5.81	6.49	116.53	0.37	Gyro
2200.00	0.72	2199.87	3.61	160.98	-4.18	5.87	7.20	125.44	0.41	Gyro
2300.00	0.96	2299.86	4.87	150.35	-5.50	6.49	8.50	130.28	0.29	Gyro
2400.00	1.23	2399.84	6.39	145.98	-7.12	7.50	10.34	133.49	0.28	Gyro
2500.00	1.52	2499.81	8.04	133.64	-8.92	9.06	12.72	134.55	0.41	Gyro
2600.00	1.94	2599.76	10.01	137.98	-11.09	11.16	15.73	134.84	0.44	Gyro
2700.00	1.81	2699.71	12.18	135.61	-13.48	13.39	19.00	135.18	0.15	Gyro
2790.00	1.79	2789.67	14.12	141.75	-15.60	15.26	21.82	135.63	0.22	Gyro
2983.00	2.00	2982.56	18.80	143.30	-20.67	19.14	28.17	137.20	0.11	MWD
3109.00	1.30	3108.51	21.76	162.80	-23.79	20.87	31.65	138.74	0.70	MWD
3205.00	1.00	3204.49	23.51	157.60	-25.61	21.51	33.45	139.97	0.33	MWD
3299.00	1.40	3298.47	25.20	152.40	-27.39	22.36	35.35	140.77	0.44	MWD
3394.00	0.60	3393.46	26.65	202.40	-28.87	22.71	36.73	141.82	1.17	MWD
3490.00	0.90	3489.45	27.87	193.20	-30.07	22.34	37.46	143.39	0.34	MWD
3586.00	0.80	3585.44	28.84	256.30	-30.97	21.52	37.71	145.20	0.93	MWD
3681.00	0.70	3680.43	29.36	243.20	-31.38	20.36	37.41	147.03	0.21	MWD
3776.00	0.90	3775.42	30.04	245.60	-31.95	19.16	37.26	149.05	0.21	MWD
3871.00	0.60	3870.41	30.60	253.50	-32.40	18.00	37.07	150.94	0.33	MWD
3966.00	0.80	3965.41	30.86	268.90	-32.56	16.86	36.67	152.62	0.29	MWD
4062.00	0.80	4061.40	31.22	249.90	-32.80	15.56	36.31	154.61	0.28	MWD
4157.00	1.00	4156.38	31.68	262.80	-33.13	14.12	36.02	156.92	0.30	MWD
4252.00	1.00	4251.37	32.22	250.00	-33.52	12.52	35.78	159.52	0.23	MWD
4347.00	1.00	4346.36	32.66	269.10	-33.82	10.91	35.53	162.12	0.35	MWD
4442.00	0.90	4441.34	32.79	272.30	-33.80	9.34	35.07	164.56	0.12	MWD
4537.00	0.80	4536.33	33.05	256.10	-33.93	7.95	34.85	166.82	0.27	MWD
4632.00	1.00	4631.32	33.59	252.50	-34.34	6.51	34.95	169.26	0.22	MWD
4727.00	1.00	4726.31	34.22	252.90	-34.83	4.93	35.18	171.95	0.01	MWD
4823.00	1.10	4822.29	34.67	267.30	-35.12	3.21	35.27	174.78	0.29	MWD
4918.00	1.00	4917.27	35.05	257.40	-35.34	1.49	35.38	177.59	0.22	MWD
5013.00	1.40	5012.25	35.62	260.00	-35.73	-0.46	35.73	180.74	0.42	MWD
5108.00	1.00	5107.23	36.24	253.00	-36.17	-2.40	36.25	183.80	0.45	MWD
5203.00	1.20	5202.22	36.78	262.00	-36.55	-4.18	36.79	186.52	0.28	MWD
5299.00	1.20	5298.19	37.36	255.30	-36.95	-6.15	37.45	189.44	0.15	MWD
5394.00	1.20	5393.17	38.11	251.00	-37.52	-8.05	38.38	192.11	0.09	MWD
5489.00	1.00	5488.16	38.82	254.00	-38.07	-9.79	39.31	194.41	0.22	MWD
5584.00	1.10	5583.14	39.24	267.80	-38.34	-11.49	40.02	196.69	0.29	MWD
5680.00	1.10	5679.12	39.71	252.60	-38.65	-13.29	40.87	198.98	0.30	MWD
5775.00	1.50	5774.10	41.07	221.60	-39.85	-14.99	42.58	200.61	0.84	MWD
5837.00	1.70	5836.08	42.64	188.10	-41.37	-15.66	44.23	200.73	1.52	MWD
5869.00	1.70	5868.06	43.58	173.10	-42.31	-15.67	45.12	200.32	1.39	MWD
5901.00	3.30	5900.03	44.92	166.40	-43.68	-15.39	46.31	199.42	5.07	MWD
5933.00	6.10	5931.92	47.41	167.60	-46.23	-14.81	48.55	197.76	8.75	MWD
5965.00	10.20	5963.59	51.76	170.00	-50.69	-13.95	52.57	195.39	12.85	MWD
5996.00	13.90	5993.90	58.00	169.90	-57.06	-12.82	58.48	192.67	11.94	MWD
6028.00	17.20	6024.73	66.26	169.30	-65.49	-11.27	66.46	189.77	10.32	MWD
6060.00	21.60	6054.90	76.53	171.40	-75.97	-9.51	76.56	187.14	13.92	MWD
6092.00	25.50	6084.23	88.97	172.80	-88.63	-7.77	88.97	185.01	12.31	MWD
6123.00	28.40	6111.86	102.73	174.30	-102.59	-6.20	102.78	183.46	9.61	MWD
6155.00	31.00	6139.66	118.38	178.60	-118.41	-5.24	118.52	182.53	10.50	MWD
6187.00	34.20	6166.62	135.53	180.10	-135.64	-5.05	135.74	182.13	10.31	MWD
6219.00	37.60	6192.53	154.23	181.50	-154.40	-5.33	154.49	181.98	10.93	MWD
6250.00	41.50	6216.43	173.93	182.50	-174.12	-6.02	174.23	181.98	12.75	MWD
6282.00	44.70	6239.79	195.78	184.40	-195.94	-7.35	196.08	182.15	10.79	MWD



Ryan Energy Technologies

COMPLETION REPORT



Company: DEVON ENERGY CORPORATION
Field: Eddy Co, NM
Site: Spud 16 State 7H
Well: Spud 16 State 7H
Wellpath: 16-7H

Date: 7/8/2008 Time: 15:29:46 Page: 3
Co-ordinate(NE) Reference: Site: Spud 16 State 7H, Gnd North
Vertical (TVD) Reference: Ground Level 2970.0
Section (VS) Reference: Well (0.00N,0.00E,185.32Az)
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
6312.00	47.70	6260.56	217.43	185.30	-217.52	-9.18	217.71	182.42	10.23	MWD
6346.00	51.50	6282.59	243.32	186.80	-243.26	-11.92	243.55	182.81	11.67	MWD
6377.00	54.90	6301.16	268.12	188.10	-267.86	-15.14	268.29	183.24	11.47	MWD
6409.00	57.40	6318.98	294.66	188.10	-294.17	-18.89	294.78	183.67	7.81	MWD
6441.00	60.20	6335.56	322.00	187.80	-321.28	-22.67	322.08	184.04	8.79	MWD
6473.00	62.70	6350.85	350.08	187.50	-349.14	-26.41	350.13	184.33	7.86	MWD
6504.00	65.00	6364.51	377.89	187.50	-376.72	-30.05	377.92	184.56	7.42	MWD
6536.00	66.70	6377.60	407.07	187.00	-405.69	-33.73	407.09	184.75	5.50	MWD
6568.00	67.70	6390.00	436.56	186.90	-434.97	-37.30	436.57	184.90	3.14	MWD
6600.00	68.00	6402.07	466.18	186.80	-464.40	-40.83	466.19	185.03	0.98	MWD
6631.00	68.80	6413.48	495.00	186.50	-493.03	-44.17	495.00	185.12	2.73	MWD
6663.00	70.80	6424.53	525.02	185.80	-522.88	-47.39	525.03	185.18	6.58	MWD
6695.00	71.60	6434.84	555.32	185.50	-553.03	-50.37	555.32	185.20	2.65	MWD
6727.00	72.50	6444.70	585.76	185.00	-583.34	-53.16	585.76	185.21	3.18	MWD
6758.00	75.00	6453.38	615.52	185.40	-612.98	-55.85	615.52	185.21	8.16	MWD
6790.00	77.50	6460.98	646.60	185.50	-643.92	-58.81	646.60	185.22	7.82	MWD
6822.00	80.30	6467.14	678.00	185.10	-675.18	-61.70	678.00	185.22	8.84	MWD
6854.00	83.50	6471.65	709.67	185.50	-706.72	-64.63	709.67	185.23	10.08	MWD
6917.00	88.30	6476.15	772.49	185.10	-769.28	-70.43	772.49	185.23	7.65	MWD
6981.00	89.40	6477.44	836.48	185.60	-832.98	-76.40	836.48	185.24	1.89	MWD
7045.00	90.70	6477.38	900.48	186.00	-896.65	-82.87	900.48	185.28	2.13	MWD
7077.00	90.40	6477.07	932.47	185.70	-928.49	-86.13	932.47	185.30	1.33	MWD
7172.00	90.00	6476.74	1027.47	186.00	-1022.99	-95.81	1027.47	185.35	0.53	MWD
7268.00	89.20	6477.41	1123.45	186.50	-1118.42	-106.26	1123.45	185.43	0.98	MWD
7363.00	90.50	6477.66	1218.44	186.00	-1212.85	-116.60	1218.44	185.49	1.47	MWD
7458.00	89.70	6477.50	1313.42	186.30	-1307.30	-126.78	1313.43	185.54	0.90	MWD
7554.00	90.40	6477.41	1409.42	185.90	-1402.76	-136.98	1409.43	185.58	0.84	MWD
7650.00	89.80	6477.24	1505.40	186.40	-1498.20	-147.27	1505.42	185.61	0.81	MWD
7743.00	90.30	6477.16	1598.40	185.00	-1590.74	-156.50	1598.42	185.62	1.60	MWD
7839.00	90.40	6476.58	1694.40	185.10	-1686.37	-164.95	1694.42	185.59	0.15	MWD
7935.00	89.40	6476.74	1790.39	185.10	-1781.99	-173.49	1790.41	185.56	1.04	MWD
8030.00	89.50	6477.66	1885.39	185.90	-1876.54	-182.59	1885.41	185.56	0.85	MWD
8125.00	90.10	6477.99	1980.38	183.80	-1971.20	-190.62	1980.39	185.52	2.30	MWD
8221.00	90.00	6477.90	2076.34	183.60	-2067.00	-196.82	2076.35	185.44	0.23	MWD
8317.00	90.00	6477.90	2172.32	185.10	-2162.72	-204.10	2172.33	185.39	1.56	MWD
8412.00	89.80	6478.07	2267.32	185.30	-2257.33	-212.71	2267.33	185.38	0.30	MWD
8507.00	88.70	6479.31	2362.31	185.10	-2351.93	-221.32	2362.32	185.38	1.18	MWD
8604.00	89.40	6480.92	2459.30	185.10	-2448.53	-229.94	2459.30	185.36	0.72	MWD
8699.00	89.40	6481.92	2554.29	185.10	-2543.15	-238.39	2554.29	185.36	0.00	MWD
8795.00	89.20	6483.09	2650.29	184.90	-2638.77	-246.75	2650.29	185.34	0.29	MWD
8890.00	90.20	6483.59	2745.28	186.00	-2733.34	-255.77	2745.28	185.35	1.56	MWD
8986.00	89.30	6484.01	2841.28	185.00	-2828.90	-264.98	2841.28	185.35	1.40	MWD
9082.00	90.90	6483.84	2937.27	184.40	-2924.57	-272.84	2937.27	185.33	1.78	MWD
9177.00	90.90	6482.35	3032.22	183.10	-3019.35	-279.05	3032.22	185.28	1.37	MWD
9265.00	90.20	6481.50	3120.16	183.60	-3107.20	-284.20	3120.17	185.23	0.98	MWD
9360.00	91.60	6480.01	3215.11	183.90	-3201.98	-290.41	3215.12	185.18	1.51	MWD
9455.00	90.30	6478.43	3310.04	182.80	-3296.80	-295.96	3310.06	185.13	1.79	MWD
9551.00	90.50	6477.76	3405.96	183.30	-3392.66	-301.07	3405.99	185.07	0.56	MWD
9646.00	89.90	6477.43	3500.92	184.00	-3487.47	-307.11	3500.96	185.03	0.97	MWD
9678.00	89.70	6477.54	3532.92	184.70	-3519.37	-309.54	3532.96	185.03	2.28	MWD
9741.00	89.60	6477.93	3595.91	185.10	-3582.14	-314.92	3595.96	185.02	0.65	MWD
9786.00	89.10	6478.44	3640.91	184.90	-3626.97	-318.84	3640.96	185.02	1.20	MWD



Ryan Energy Technologies

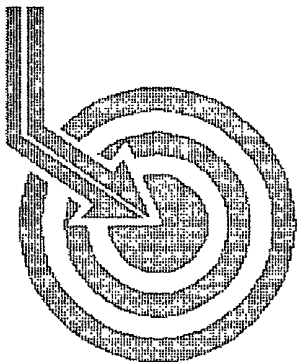
COMPLETION REPORT



Company: DEVON ENERGY CORPORATION	Date: 7/8/2008	Time: 15:29:46	Page: 4
Field: Eddy Co, NM	Co-ordinate(NE) Reference:	Site: Spud 16 State 7H, Grid North	
Site: Spud 16 State 7H	Vertical (TVD) Reference:	Ground Level: 2970.0	
Well: Spud 16 State 7H	Section (VS) Reference:	Well (0.00N,0.00E,185 32Azi)	
Wellpath: 16-7H	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
9837.00	89.80	6478.93	3691.91	185.00	-3677.78	-323.24	3691.95	185.02	1.39	MWD
9896.00	89.80	6479.13	3750.90	185.00	-3736.55	-328.39	3750.95	185.02	0.00	MWD
9932.00	91.00	6478.88	3786.90	185.20	-3772.41	-331.59	3786.95	185.02	3.38	MWD
10028.00	90.80	6477.38	3882.89	185.30	-3867.99	-340.37	3882.94	185.03	0.23	MWD
10124.00	89.30	6477.29	3978.86	183.10	-3963.73	-347.40	3978.92	185.01	2.77	MWD
10169.00	89.10	6477.92	4023.83	183.20	-4008.65	-349.87	4023.89	184.99	0.50	MWD
10242.00	89.10	6479.07	4096.77	183.20	-4081.53	-353.95	4096.85	184.96	0.00	PROJECTED to TD



Scientific Drilling

DEVON ENERGY

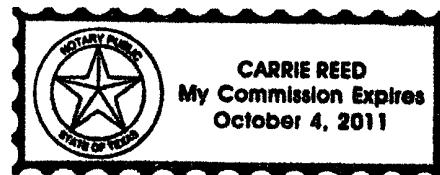
Field: Harroun
Site: Eddy County, NM
Well: Spud 16 State #7H
Wellpath: VH - Job #32K0608456
Survey: 06/18/08

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

.....*R. Wharton*.....Company Representative

Notorized this date 14 of July, 2008.

Carrie Reed
Notary Signature
County of Midland
State of Texas





Scientific Drilling International

Survey Report

Company: DEVON ENERGY Date: 07/03/2008 Time: 16:25:53 Page: 1
Field: Harroun Co-ordinate(NE) Reference: Site: Eddy County, NM, Grid North
Site: Eddy County, NM Vertical (TVD) Reference: SITE 0.0
Well: Spud 16 State #7H Section (VS) Reference: Well (0.00N,0.00E,185.32Azi)
Wellpath: VH - Job #32K0608456 Survey Calculation Method: Minimum Curvature Db: Sybase

Survey: 06/18/08 Start Date: 06/18/2008
Company: Scientific Drilling Internatio Engineer: Guebara w/GeoGyro
Tool: Keeper, Keeper Gyro Tied-to: From Surface

Survey

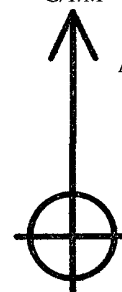
MD ft	Incl deg	Azim deg	TVD ft	VS ft	N/S ft	E/W ft	DLS deg/100ft	ClsD ft	ClsA deg
0.00	0.00	359.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	0.63	351.35	100.00	-0.53	0.54	-0.08	0.63	0.55	351.35
200.00	0.72	28.07	199.99	-1.65	1.64	0.13	0.43	1.65	4.54
300.00	1.00	50.18	299.98	-2.84	2.75	1.10	0.43	2.96	21.70
400.00	0.84	62.78	399.97	-3.86	3.65	2.42	0.26	4.38	33.53
500.00	0.84	55.95	499.96	-4.72	4.39	3.68	0.10	5.73	39.92
600.00	0.64	59.39	599.95	-5.51	5.09	4.77	0.20	6.97	43.12
700.00	0.71	67.79	699.94	-6.12	5.61	5.82	0.12	8.08	46.06
800.00	0.54	77.22	799.94	-6.56	5.95	6.85	0.20	9.07	49.05
900.00	0.42	93.01	899.93	-6.72	6.03	7.68	0.18	9.76	51.85
1000.00	0.31	109.65	999.93	-6.67	5.92	8.30	0.15	10.19	54.49
1100.00	0.30	174.29	1099.93	-6.34	5.57	8.58	0.33	10.23	57.01
1200.00	0.41	160.59	1199.93	-5.76	4.97	8.72	0.14	10.04	60.32
1300.00	0.20	167.38	1299.93	-5.27	4.46	8.88	0.21	9.94	63.32
1400.00	0.47	182.93	1399.92	-4.69	3.88	8.90	0.28	9.71	66.42
1500.00	0.14	187.65	1499.92	-4.16	3.35	8.86	0.33	9.48	69.27
1600.00	0.53	182.41	1599.92	-3.58	2.77	8.83	0.39	9.25	72.58
1700.00	0.52	222.51	1699.92	-2.75	1.97	8.50	0.36	8.73	76.93
1800.00	0.82	201.58	1799.91	-1.70	0.97	7.93	0.38	7.99	83.00
1900.00	0.86	212.00	1899.90	-0.35	-0.33	7.27	0.16	7.28	92.59
2000.00	0.89	216.34	1999.89	0.99	-1.59	6.41	0.07	6.61	103.93
2100.00	0.80	191.90	2099.88	2.35	-2.90	5.81	0.37	6.49	116.53
2200.00	0.72	160.98	2199.87	3.61	-4.18	5.87	0.41	7.20	125.44
2300.00	0.96	150.35	2299.86	4.87	-5.50	6.49	0.29	8.50	130.28
2400.00	1.23	145.98	2399.84	6.39	-7.12	7.50	0.28	10.34	133.49
2500.00	1.52	133.64	2499.81	8.04	-8.92	9.06	0.41	12.72	134.55
2600.00	1.94	137.98	2599.76	10.01	-11.09	11.16	0.44	15.73	134.84
2700.00	1.81	135.61	2699.71	12.18	-13.48	13.39	0.15	19.00	135.18
2790.00	1.79	141.75	2789.67	14.12	-15.60	15.26	0.22	21.82	135.63



Scientific
Drilling

Field: Harroun
Site: Eddy County, NM
Well: Spud 16 State #7H
Wellpath: VH - Job #32K0608456
Survey: 06/18/08

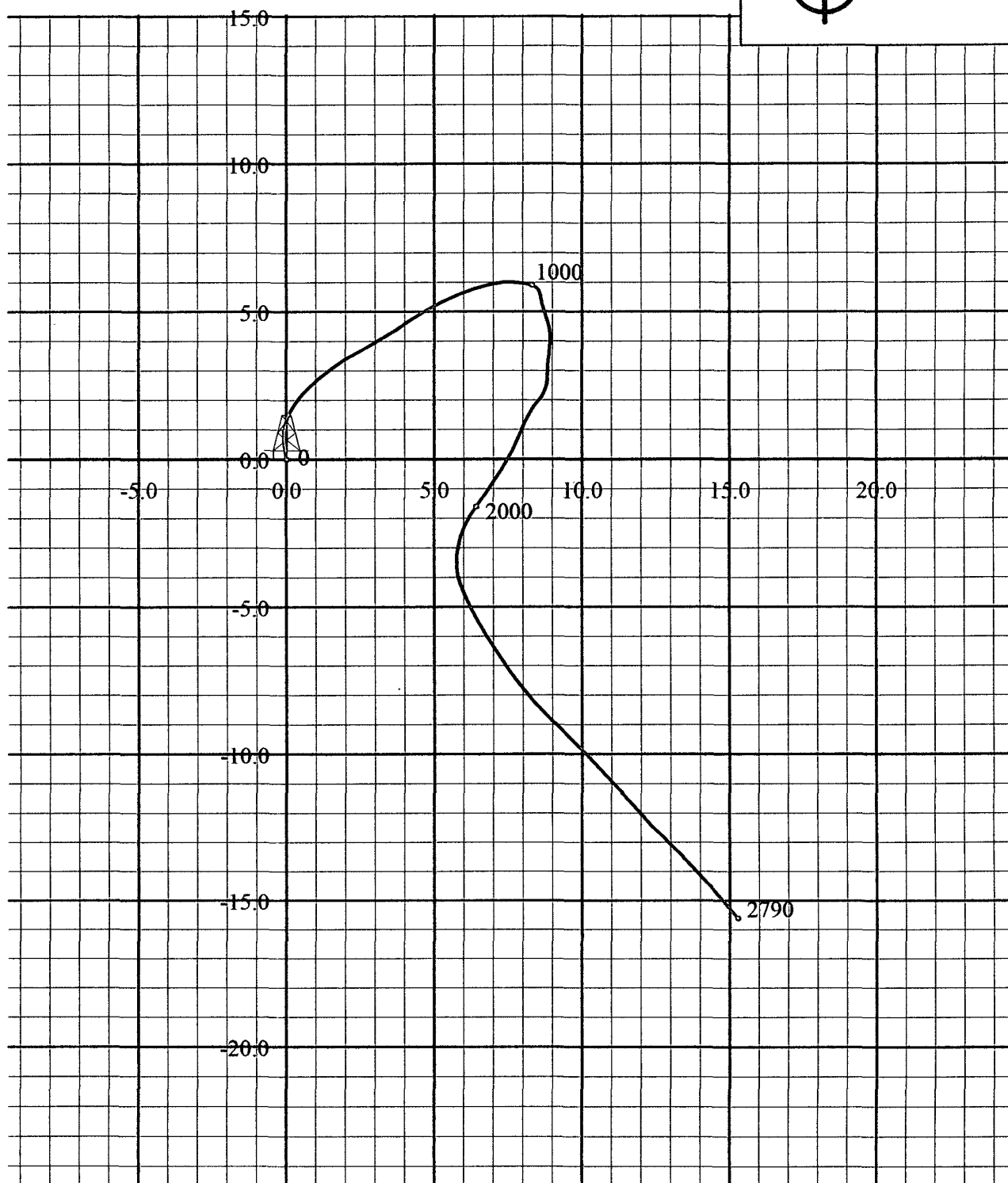
G/T/M



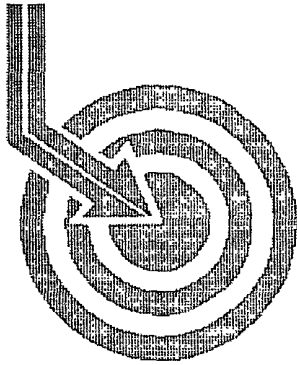
Azimuths to Grid North
True North: 0.00°
Magnetic North: 0.00°

Magnetic Field
Strength: 0nT
Dip Angle: 0.00°
Date: 07/03/2008
Model: igrf2000

South(-)/North(+) [5ft/in]



West(-)/East(+) [5ft/in]



Scientific Drilling

DEVON ENERGY

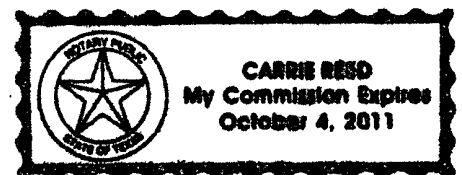
Field: Spud
Site: Eddy County, NM
Well: Spud 16 State #6
Wellpath: VH - Job #32K0608413
Survey: 06/03/08

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

.....*L. Wharton*.....Company Representative

Notorized this date 6th of June, 2008.

Carrie Reed
Notary Signature
County of Midland
State of Texas





Scientific Drilling International Survey Report

Company: DEVON ENERGY	Date: 06/06/2008	Time: 08:09:38	Page: 1
Field: Spud	Co-ordinate(NE) Reference:	Site: Eddy County, NM, True North	
Site: Eddy County, NM	Vertical (TVD) Reference:	SITE 0.0	
Well: Spud 16 State #6	Section (VS) Reference:	Well (0.00N,0.00E,172.37Azi)	
Wellpath: VH - Job #32K0608413	Survey Calculation Method:	Minimum Curvature	Db: Sybase

Survey: 06/03/08	Start Date: 06/03/2008
Company: Scientific Drilling Internatio	Engineer: Madrid w/Gray
Tool: Keeper;Keeper Gyro	Tied-to: From Surface

Survey

MD ft	Incl deg	Azlm deg	TVD ft	VS ft	N/S ft	E/W ft	DLS deg/100ft	ClsD ft	ClsA deg
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	0.22	36.76	100.00	-0.14	0.15	0.11	0.22	0.19	36.76
200.00	0.33	65.47	200.00	-0.36	0.43	0.49	0.17	0.65	49.02
300.00	0.25	47.62	300.00	-0.57	0.69	0.91	0.12	1.15	52.83
400.00	0.34	56.63	400.00	-0.82	1.00	1.32	0.10	1.66	52.82
500.00	0.28	19.54	499.99	-1.17	1.40	1.65	0.21	2.16	49.79
600.00	0.16	341.37	599.99	-1.52	1.76	1.69	0.18	2.44	43.84
700.00	0.05	300.47	699.99	-1.68	1.91	1.61	0.13	2.50	40.03
800.00	0.16	24.66	799.99	-1.83	2.06	1.63	0.16	2.63	38.29
900.00	0.08	197.67	899.99	-1.88	2.12	1.67	0.24	2.70	38.11
1000.00	0.20	223.78	999.99	-1.71	1.93	1.52	0.13	2.46	38.28
1100.00	0.24	192.02	1099.99	-1.41	1.60	1.36	0.13	2.10	40.35
1200.00	0.48	216.19	1199.99	-0.91	1.06	1.07	0.28	1.50	45.30
1300.00	0.29	201.30	1299.99	-0.38	0.48	0.73	0.21	0.88	56.45
1400.00	0.31	193.88	1399.99	0.09	-0.01	0.57	0.04	0.57	91.46
1500.00	0.21	181.88	1499.99	0.52	-0.46	0.50	0.11	0.68	132.54
1600.00	0.28	183.69	1599.98	0.94	-0.89	0.48	0.07	1.01	151.59
1700.00	0.51	185.83	1699.98	1.62	-1.57	0.42	0.23	1.63	165.09
1800.00	0.61	187.43	1799.98	2.56	-2.54	0.31	0.10	2.56	173.16
1900.00	0.80	183.20	1899.97	3.76	-3.77	0.20	0.20	3.77	177.00
2000.00	0.64	183.19	1999.96	5.00	-5.02	0.13	0.16	5.03	178.55
2100.00	0.57	183.80	2099.96	6.03	-6.08	0.06	0.07	6.08	179.40
2200.00	0.74	171.58	2199.95	7.17	-7.21	0.12	0.22	7.21	179.01
2300.00	1.06	147.65	2299.94	8.65	-8.63	0.71	0.49	8.66	175.27
2400.00	0.91	138.80	2399.92	10.15	-10.01	1.73	0.21	10.16	170.18
2500.00	0.98	148.10	2499.91	11.59	-11.34	2.71	0.17	11.65	166.57
2600.00	1.02	152.37	2599.89	13.21	-12.85	3.57	0.08	13.34	164.47
2700.00	1.16	148.45	2699.88	14.97	-14.50	4.51	0.16	15.19	162.71
2800.00	1.02	142.47	2799.86	16.67	-16.07	5.59	0.18	17.01	160.83
2900.00	1.13	141.86	2899.84	18.29	-17.55	6.74	0.11	18.80	159.00
3000.00	0.77	131.57	2999.83	19.65	-18.77	7.85	0.40	20.35	157.31
3100.00	0.66	132.59	3099.82	20.60	-19.61	8.78	0.11	21.48	155.89
3200.00	0.51	135.22	3199.81	21.40	-20.31	9.51	0.15	22.43	154.91
3300.00	0.42	132.69	3299.81	22.03	-20.88	10.10	0.09	23.19	154.19
3400.00	0.30	173.92	3399.81	22.58	-21.39	10.39	0.28	23.78	154.08
3500.00	0.11	197.47	3499.81	22.93	-21.74	10.39	0.20	24.10	154.45
3600.00	0.36	151.89	3599.81	23.31	-22.11	10.51	0.29	24.48	154.57
3700.00	0.32	200.38	3699.81	23.85	-22.65	10.56	0.28	24.99	155.00
3800.00	0.15	148.45	3799.80	24.21	-23.02	10.53	0.26	25.32	155.41
3900.00	0.33	199.15	3899.80	24.59	-23.40	10.51	0.26	25.65	155.82
4000.00	0.12	150.22	3999.80	24.95	-23.77	10.46	0.27	25.97	156.24
4100.00	0.17	129.42	4099.80	25.15	-23.95	10.63	0.07	26.21	156.06
4200.00	0.32	154.68	4199.80	25.53	-24.30	10.87	0.18	26.62	155.91
4300.00	0.21	232.65	4299.80	25.88	-24.66	10.84	0.34	26.94	156.27
4400.00	0.11	161.35	4399.80	26.07	-24.86	10.72	0.20	27.08	156.67
4500.00	0.10	234.38	4499.80	26.20	-25.01	10.68	0.13	27.19	156.86
4600.00	0.28	202.79	4599.80	26.45	-25.28	10.52	0.20	27.38	157.41
4700.00	0.24	216.26	4699.80	26.82	-25.68	10.30	0.07	27.66	158.14
4800.00	0.27	227.60	4799.80	27.10	-26.00	10.00	0.06	27.86	158.96



Scientific Drilling International Survey Report

Company: DEVON ENERGY Date: 06/06/2008 Time: 08:09:38 Page: 2
Field: Spud Co-ordinate(NE) Reference: Site: Eddy County, NM, True North
Site: Eddy County, NM Vertical (TVD) Reference: SITE 0.0
Well: Spud 16 State #6 Section (VS) Reference: Well (0.00N,0.00E,172.37Azi)
Wellpath: VH - Job #32K0608413 Survey Calculation Method: Minimum Curvature Db: Sybase

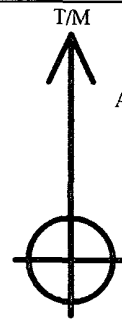
Survey

MD ft	Incl deg	Azlm deg	TVD ft	VS ft	N/S ft	E/W ft	DLS deg/100ft	ClsD ft	ClsA deg
4900.00	0.24	208.12	4899.80	27.41	-26.35	9.73	0.09	28.09	159.73
5000.00	0.30	256.03	4999.80	27.60	-26.60	9.38	0.23	28.20	160.58
5100.00	0.35	248.11	5099.79	27.71	-26.77	8.84	0.07	28.19	161.73
5200.00	0.31	210.50	5199.79	28.00	-27.12	8.42	0.22	28.40	162.75
5300.00	0.32	248.98	5299.79	28.27	-27.45	8.02	0.21	28.60	163.71
5400.00	0.45	262.29	5399.79	28.34	-27.61	7.37	0.16	28.57	165.05
5500.00	0.31	269.89	5499.79	28.30	-27.66	6.71	0.15	28.46	166.36
5600.00	0.30	236.00	5599.79	28.39	-27.81	6.22	0.18	28.49	167.38
5700.00	0.35	290.88	5699.78	28.36	-27.84	5.72	0.30	28.42	168.39
5800.00	0.35	260.96	5799.78	28.22	-27.78	5.13	0.18	28.25	169.53
5900.00	0.36	250.07	5899.78	28.29	-27.94	4.54	0.07	28.30	170.78
6000.00	0.61	236.94	5999.78	28.59	-28.33	3.80	0.27	28.59	172.37



Scientific
Drilling

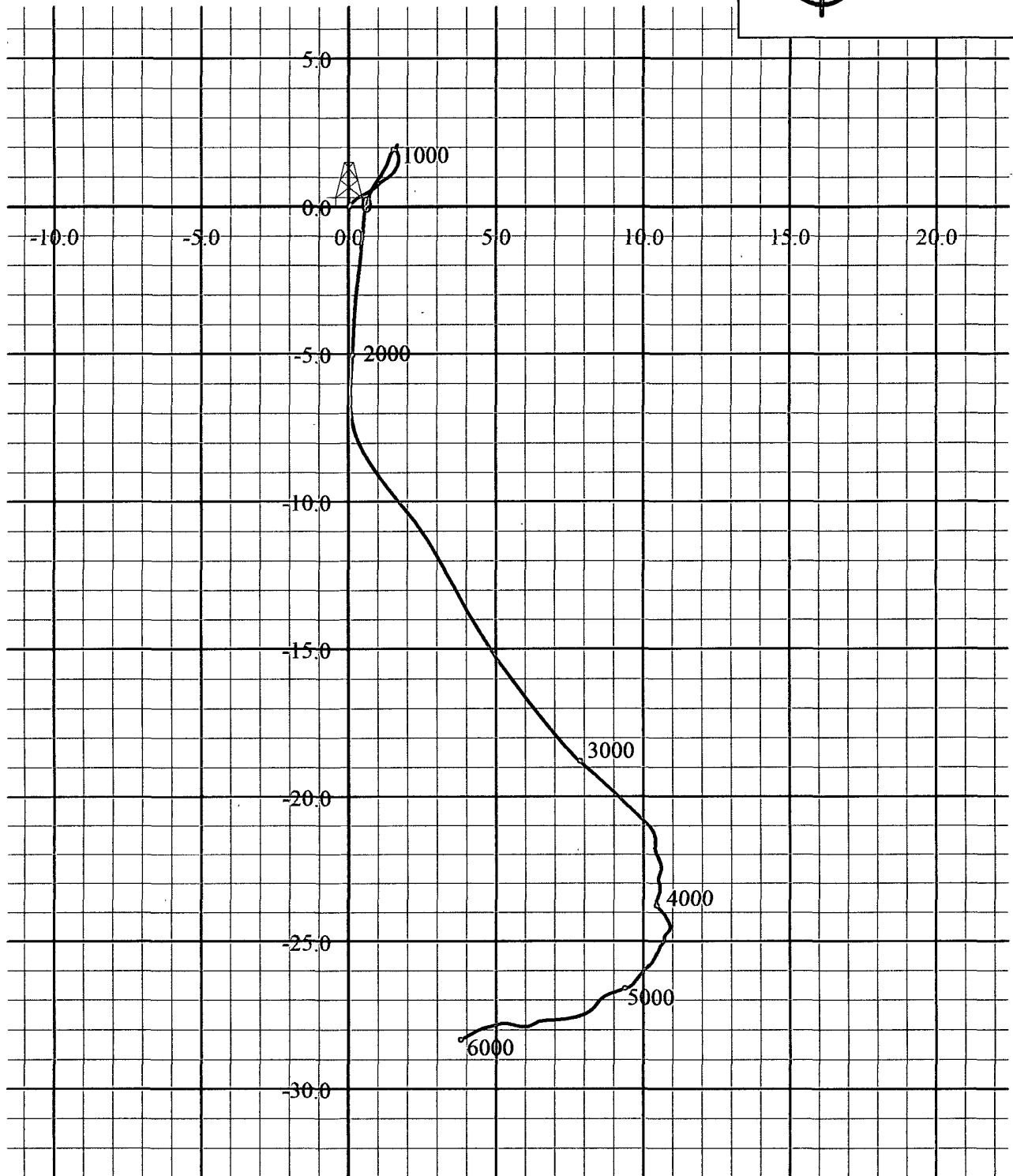
Field: Spud
Site: Eddy County, NM
Well: Spud 16 State #6
Wellpath: VH - Job #32K0608413
Survey: 06/03/08



Azimuths to True North
Magnetic North: 0.00°

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

South(-)/North(+) [5ft/in]



West(-)/East(+) [5ft/in]