

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

N.M. Oil Cons. DIV-Dist. 2

1301 W. Grand Avenue

Artesia, NM 88210

FORM APPROVED
OMB NO. 1004-0137

EXPIRES: NOVEMBER 30, 2000

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No.

NMNM89052

1a. Type of Well ☒ Oil Well ☐ Gas Well ☐ Dry ☐ Other
b. Type of Completion ☒ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resrv.,
☐ Other

6. If Indian, Allottee or Tribe Name

2. Name of Operator

DEVON ENERGY PRODUCTION COMPANY, LP

7. Unit or CA Agreement Name and No.

3. Address

20 North Broadway, Ste 1500
Oklahoma City, OK 73102-8260

3a. Phone No. (include area code)
405-228-8209

8. Lease Name and Well No.

Apache 25 Federal 8

9. API Well No.

30-015-33439 SI

1. Location of Well (Report location clearly and in accordance with Federal requirements)*

At Surface

2455 FNL 1980 FEL

At top prod. Interval reported below

At total Depth

1940 FNL 1944 FEL

10. Field and Pool, or Exploratory

Quahada Ridge SE

11. Sec. T., R., M., on Block and Survey or Area

25 22S 30E

12. County or Parish 13. State

Eddy

NM

17. Elevations (DR, RKB, RT, GL)*

3352 GL

4. Date Spudded

7/3/2004

15. Date T.D. Reached

7/23/2004

16. Date Completed

8/12/2004

☐ D & A ☒ Ready to Prod.

8. Total Depth: MD

7,868

TVD

19. Plug Back T.D.: MD

MD

7828

TVI

20. Depth Bridge Plug Set: MD

MD

TVI

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)

22. Was well cored?

☒ No

☐ Yes (Submit analysis)

Was DST run?

☒ No

☐ Yes (Submit report)

Directional Survey?

☐ No

☒ Yes (Submit copy)

EX-AITH-CN-GR

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

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sk. & Type Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
17 1/2	13 3/8 H40	48	0	631		400 SX CI C, circ 120 sx		0	
11	8 5/8 J55	32	0	3849		1020 sx CI C, circ 103 sx		0	
7 7/8	5 1/2 J55	15.5 & 17	0	7864		1710 sx Poz, circ 20 sx			

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2 7/8	7473							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
Delaware	7660	7682	7660-7682		44	Producing

ACCEPTED FOR RECORD

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

Depth Interval	Amount and Type of Material
7660-7682	Frac w/ 100,000# 16/30 sn

NOV 15 2004

ALEXIS C. SWOBODA
PETROLEUM ENGINEER

8. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
3/14/2004	8/23/2004	24	→	101	91	223			Pumping
Choke Size	Tbg. Press. Flwg SI	Csg. Press	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas : Oil Ratio	Well Status	
			→	101	91	223	901		Producing Oil Well

8a. Production - Interval B

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

28b. Production - Interval C

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

28c. Production - Interval D

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

See instructions and spaces for additional data on reverse side)

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

SOLD

Summary of Porous Zones (Include Aquifers):

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

31. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top
					Meas. Depth
				Rustler	378
				Salado	683
				Base Salt	3625
				Delaware	3866
				Cherry Canyon	4813
				Brushy Canyon	6425
				Bone Springs	7813

Additional remarks (include plugging procedure):

18/05/04 MIRUPU.
 18/06/04 Drill out DV tool. Test csg to 1000 psi -- Held
 18/07/04 RIH w/ csg guns & perf 2 SPF from 7660-7682. (Total 44 holes) POOH w/ tbg.
 18/08/04 Frac 7660-7682 w/ 100,000# 16/30 sn.
 18/11/04 RIH w/ prod tubing
 18/12/04 RIH w/ pump and rods
 18/13/04 Waiting on electrician.
 18/14/04 Turn well to production.

Circle enclosed attachments:

1. Electrical/Mechanical Logs (1 full set req'd)
2. Geologic Report
3. DST Report
4. Directional Survey
5. Sundry Notice for plugging and cement verification
6. Core Analysis
7. Other

hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)*

Name (Please print)

Linda Guthrie

Title

Regulatory Specialist

Signature

Linda Guthrie

Date

11/11/2004

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



DRILLING INC. Oil Well Drilling Contractor

Post Office Box 160 • Artesia, NM 88211-0160 • Office (505) 748-8704 • Fax (505) 748-8719

July 26, 2004

Devon Energy Production Company, LP
20 North Broadway, Suite 1500
Oklahoma City, Oklahoma 73102

Re: Apache 25 Fed #8
Section 25, T-22 S, R-30-E
Eddy County, New Mexico

Attention: Don Culpepper

The following is a Deviation Survey on the above referenced well in Eddy County, New Mexico:

182' - 1/4°	3319' - 2 1/4°	5638' - 9.30°	7243' - 13.60°
415' - 1/2°	3441' - 2 1/4°	5916' - 15.80°	7365' - 12.70°
600' - 1/2°	3534' - 2 3/4°	6130' - 16.00°	7430' - 12.20°
1091' - 1/4°	3594' - 2 1/2°	6166' - 16.20°	7619' - 11.50°
1552' - 1/4°	3700' - 2°	6222' - 16.00°	7742' - 11.20°
2044' - 1°	3813' - 1 3/4°	6345' - 15.30°	7804' - 10.90°
2443' - 1/2°	4310' - 1 1/4°	6468' - 14.60°	7868' - 10.60°
2938' - 1°	4789' - 3/4°	6745' - 14.30°	
3154' - 2 1/4°	5285' - 1/2°	7055' - 14.00°	
3227' - 2 1/2°	5438' - 4 1/2°	7188' - 13.90°	

Sincerely,

Jerry W. Wilbanks
President

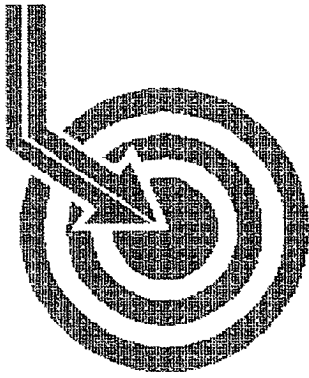
STATE OF NEW MEXICO)
COUNTY OF CHAVES)

The foregoing was acknowledged before me this 26th day of July, 2004 by Jerry W. Wilbanks.

MY COMMISSION EXPIRES

June 19th, 2007

NOTARY PUBLIC



Scientific Drilling

DEVON ENERGY

Field: Quahada Ridge, SE
Site: Eddy County, NM
Well: Apache 25 Fed. #8
Wellpath: VH - Job #32K0704440
Survey: 07/15/04

RECEIVED

NOV 15 2004

ODD-ARTERIA

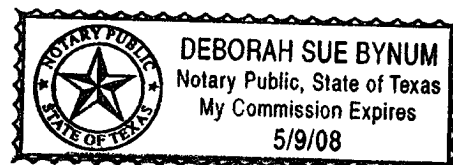
This survey is correct to the best of my knowledge
and is supported by actual field data.

[Signature] Company Representative

Notorized this date 12th of August, 2004.

[Signature]
Notary Signature

County of Midland
State of Texas





Scientific
Drilling

Scientific Drilling Survey Report

Company: DEVON ENERGY
Field: Quahada Ridge, SE
Site: Eddy County, NM
Well: Apache 25 Fed. #8
Wellpath: VH - Job #32K0704440

Date: 8/12/2004 Time: 15:15:30 Page: 1
Co-ordinate(N/E) Reference: Site: Eddy County, NM, Grid North
Vertical (TVD) Reference: SITE 0.0
Section (VS) Reference: Well (0.00N,0.00E,131.61Azi)
Survey Calculation Method: Minimum Curvature Db: Sybase

Survey: 07/15/04
KSRG 0'-5340'
Company: Scientific Drilling
Tool: Keeper, Keeper Gyro

Start Date: 7/15/2004
Engineer: Guebara/Foster
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
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.0	0.00
100.0	0.07	292.74	100.0	-0.1	0.0	-0.1	0.07	0.1	292.74
200.0	0.12	294.12	200.0	-0.2	0.1	-0.2	0.05	0.2	293.38
300.0	0.14	69.57	300.0	-0.3	0.2	-0.2	0.24	0.3	312.82
400.0	0.30	109.96	400.0	0.0	0.1	0.2	0.21	0.2	53.06
500.0	0.25	86.07	500.0	0.4	0.1	0.6	0.12	0.6	85.11
600.0	0.33	87.63	600.0	0.8	0.1	1.1	0.08	1.1	85.93
700.0	0.57	31.57	700.0	0.9	0.5	1.7	0.47	1.8	72.98
800.0	0.56	33.69	800.0	0.8	1.3	2.2	0.02	2.6	58.75
900.0	0.55	24.76	900.0	0.6	2.2	2.7	0.09	3.5	50.87
1000.0	0.61	25.49	1000.0	0.3	3.1	3.1	0.06	4.4	45.15
1100.0	0.51	37.90	1100.0	0.1	3.9	3.6	0.16	5.4	42.63
1200.0	0.66	29.69	1200.0	-0.1	4.8	4.2	0.17	6.4	41.14
1300.0	0.59	39.41	1300.0	-0.2	5.7	4.8	0.13	7.4	40.14
1400.0	0.56	43.04	1400.0	-0.2	6.4	5.5	0.05	8.4	40.26
1500.0	0.63	56.63	1500.0	0.0	7.1	6.2	0.16	9.5	41.34
1600.0	0.64	56.21	1599.9	0.2	7.7	7.2	0.01	10.5	42.91
1700.0	0.50	66.04	1699.9	0.6	8.2	8.0	0.17	11.5	44.41
1800.0	0.63	75.34	1799.9	1.0	8.5	9.0	0.16	12.4	46.46
1900.0	0.69	90.22	1899.9	1.8	8.7	10.1	0.18	13.3	49.40
2000.0	0.66	92.74	1999.9	2.7	8.6	11.3	0.04	14.2	52.59
2100.0	0.77	105.08	2099.9	3.8	8.4	12.5	0.19	15.1	56.03
2200.0	0.87	112.53	2199.9	5.1	8.0	13.9	0.15	16.0	60.12
2300.0	0.71	109.84	2299.9	6.4	7.5	15.1	0.16	16.9	63.77
2400.0	0.63	109.48	2399.9	7.5	7.1	16.2	0.08	17.7	66.49
2500.0	0.68	114.78	2499.9	8.5	6.6	17.3	0.08	18.5	69.02
2600.0	0.72	114.12	2599.9	9.7	6.1	18.4	0.04	19.4	71.59
2700.0	0.65	144.84	2699.9	10.8	5.4	19.3	0.37	20.0	74.36
2800.0	0.75	164.27	2799.9	11.9	4.3	19.8	0.26	20.3	77.72
2900.0	0.93	160.64	2899.9	13.2	2.9	20.3	0.19	20.5	81.81
3000.0	1.23	158.99	2999.8	14.9	1.1	20.9	0.30	20.9	86.86
3100.0	1.72	149.02	3099.8	17.3	-1.1	22.1	0.55	22.1	92.96
3200.0	2.07	147.90	3199.7	20.4	-4.0	23.8	0.35	24.1	99.44
3300.0	2.03	151.04	3299.7	23.8	-7.0	25.6	0.12	26.6	105.36
3400.0	2.04	148.93	3399.6	27.2	-10.1	27.4	0.08	29.2	110.26
3500.0	2.27	136.73	3499.5	30.9	-13.1	29.7	0.51	32.4	113.79
3600.0	2.32	133.91	3599.5	34.9	-15.9	32.5	0.12	36.2	116.11
3700.0	1.83	138.29	3699.4	38.5	-18.5	35.0	0.51	39.6	117.88
3800.0	1.67	145.26	3799.4	41.5	-20.9	36.9	0.27	42.4	119.54
3900.0	1.39	148.37	3899.3	44.0	-23.1	38.4	0.29	44.8	121.10
4000.0	1.26	152.75	3999.3	46.2	-25.1	39.5	0.16	46.8	122.48
4100.0	1.14	154.22	4099.3	48.2	-27.0	40.4	0.12	48.6	123.75
4200.0	1.03	152.38	4199.3	49.9	-28.7	41.3	0.12	50.3	124.82
4300.0	1.02	151.38	4299.2	51.6	-30.3	42.1	0.02	51.9	125.71
4400.0	0.75	152.44	4399.2	53.1	-31.7	42.9	0.27	53.3	126.45
4500.0	0.80	155.97	4499.2	54.3	-32.9	43.4	0.07	54.5	127.11
4600.0	0.62	152.27	4599.2	55.5	-34.0	44.0	0.19	55.6	127.69
4700.0	0.52	155.01	4699.2	56.4	-34.9	44.4	0.10	56.5	128.13
4800.0	0.39	173.56	4799.2	57.0	-35.6	44.7	0.19	57.1	128.58



Scientific
Drilling

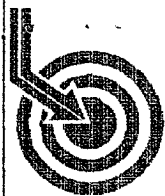
Scientific Drilling Survey Report

Company: DEVON ENERGY
Field: Quahada Ridge, SE
Site: Eddy County, NM
Well: Apache 25 Fed. #8
Wellpath: VH - Job #32K0704440

Date: 8/12/2004 Time: 15:15:30 Page: 2
Co-ordinate(N/E) Reference: Site: Eddy County, NM, Grid North
Vertical (TVD) Reference: SITE 0.0
Section (VS) Reference: Well (0.00N,0.00E,131.61Azi)
Survey Calculation Method: Minimum Curvature Db: Sybase

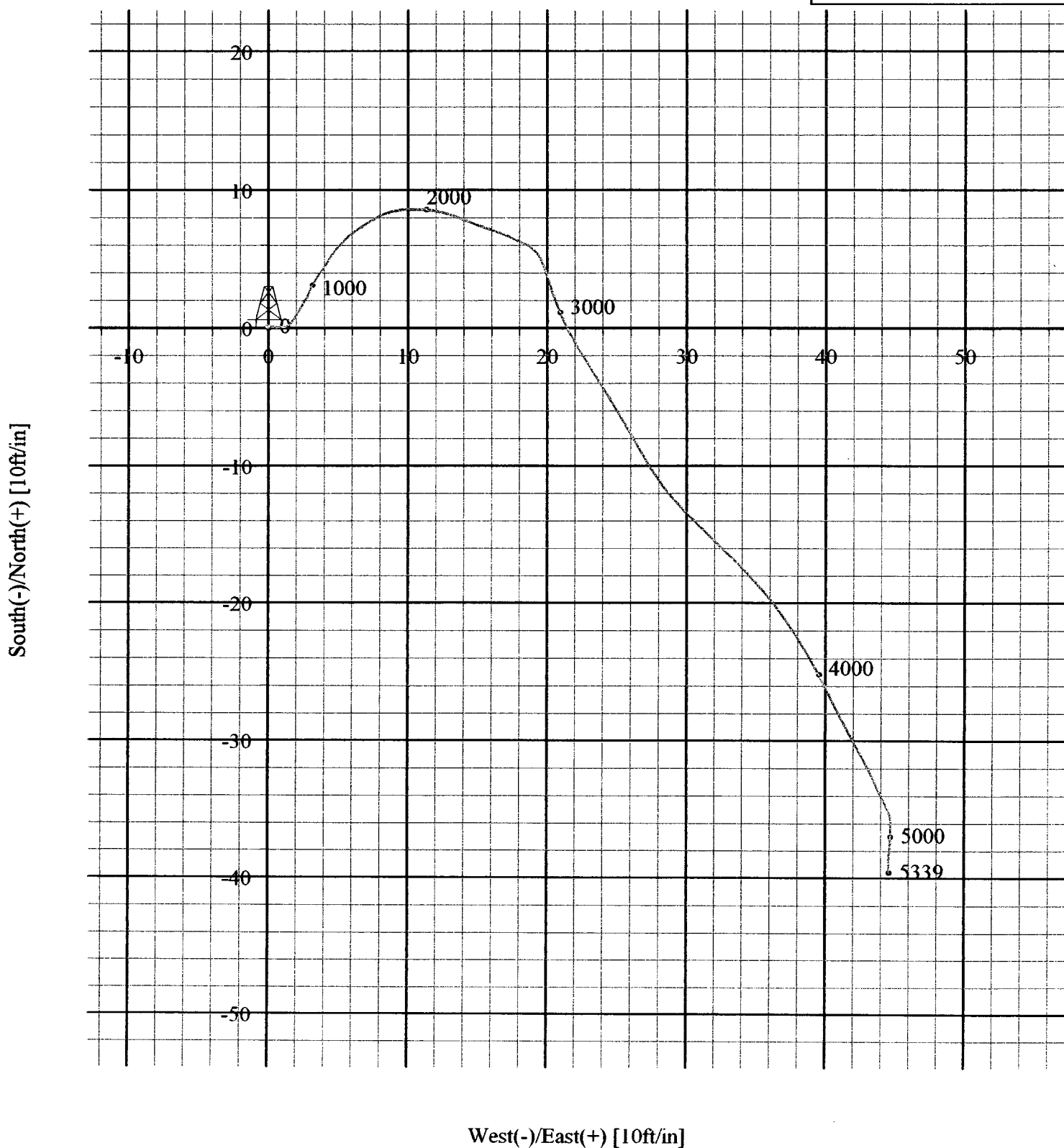
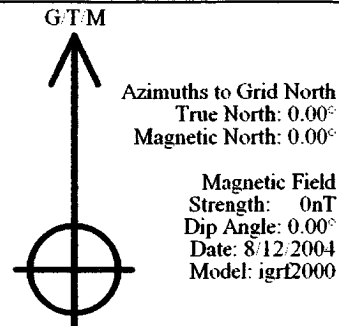
Survey

MD ft	Incl deg	Azim deg	TVD ft	VS ft	N/S ft	E/W ft	DLS deg/100ft	ClsD ft	ClsA deg
4900.0	0.35	180.44	4899.2	57.5	-36.3	44.7	0.06	57.6	129.06
5000.0	0.41	182.45	4999.2	57.9	-36.9	44.7	0.06	58.0	129.58
5100.0	0.30	183.54	5099.2	58.3	-37.6	44.6	0.11	58.3	130.07
5200.0	0.40	186.10	5199.2	58.7	-38.2	44.6	0.10	58.7	130.56
5300.0	0.68	178.66	5299.2	59.3	-39.1	44.6	0.29	59.3	131.26
5340.0	0.65	185.28	5339.2	59.6	-39.6	44.6	0.21	59.6	131.61



Scientific
Drilling

Field: Quahada Ridge, SE
Site: Eddy County, NM
Well: Apache 25 Fed. #8
Wellpath: VH - Job #32K0704440
Survey: 07/15/04



DEVON ENERGY

Created by adryann
Date plotted : 27-Jul-2004
Plot Reference is Pin 2.
Coordinates are in feet reference structure.
True Vertical Depths are reference structure.
op8pva
--- Baker Hughes INTEQ ---

Structure : Apache 25 Fed No. 8

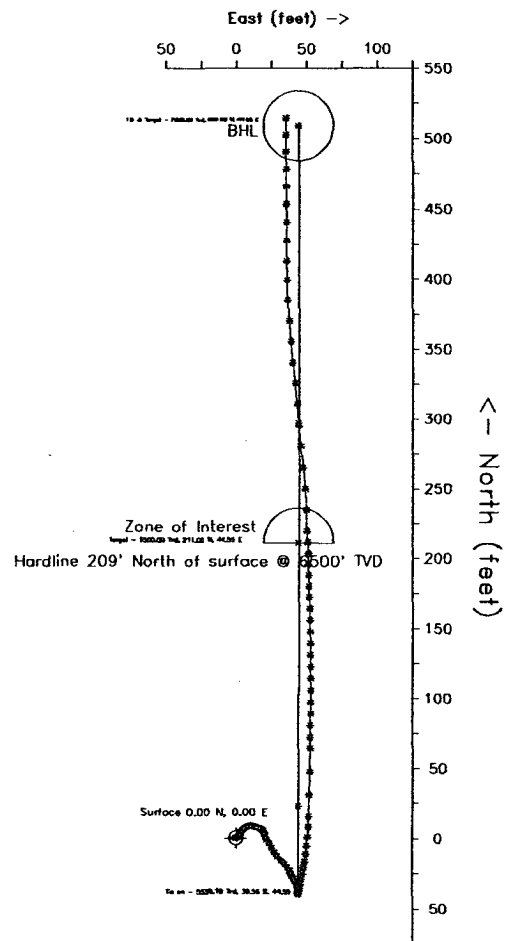
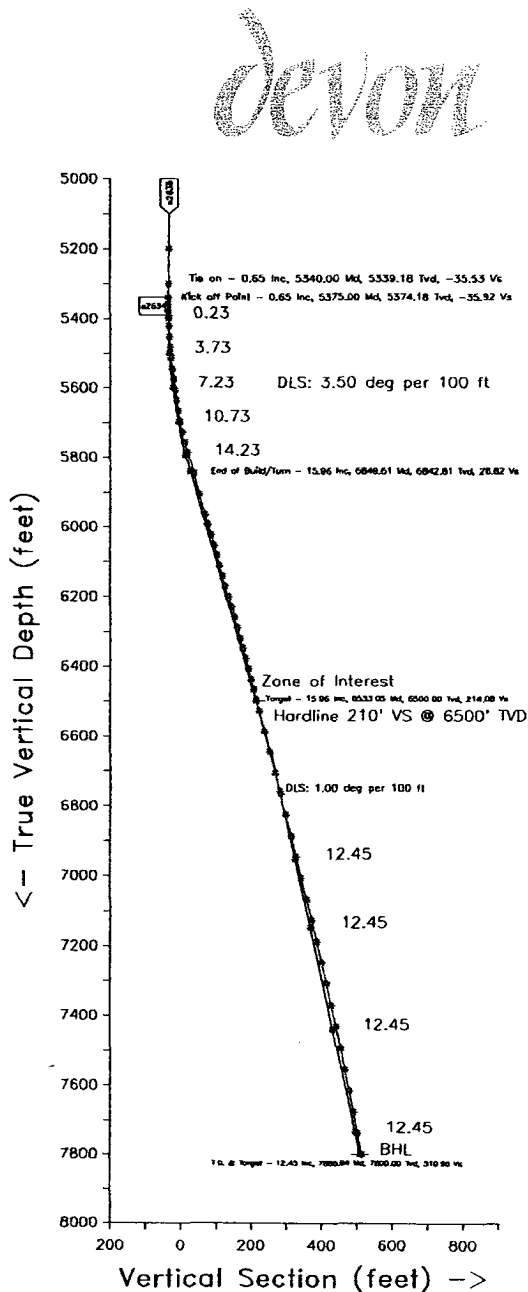
Slot : slot #1

Field : Quahada Ridge (Delaware)

Location : EDDY COUNTY, NM.

WELL PROFILE DATA

Point	MD	Inc	Dir	TVD	North	East	V. Sect	Deg/100
Tie on	5340.00	0.65	185.28	5339.18	-39.56	44.55	-35.53	0.00
KOP	5375.00	0.65	185.28	5374.18	-39.96	44.51	-35.92	0.00
End of Build/Turn	5849.51	15.96	0.06	5842.81	23.05	44.34	26.82	3.50
Target Zone of Interest	6533.05	15.96	0.06	6500.00	211.00	44.55	214.08	0.00
KOP	6884.10	12.45	0.00	6840.26	297.13	44.60	299.89	1.00
T.D. & Target BHL	7866.94	12.45	359.97	7800.00	509.00	44.55	510.95	0.00



Approved By: _____
Title: _____
Date: _____

BAKER HUGHES

INTEQ

Azimuth 5.00 with reference 0.00 N, 0.00 W from structure

DEVON ENERGY
Apache 25 Fed No. 8

slot #1
Quahada Ridge (Delaware)
EDDY COUNTY, NM.

S U R V E Y L I S T I N G

by
Baker Hughes INTEQ

Your ref : MWD
Our ref : svy2635
License :

Date printed : 27-Jul-2004
Date created : 15-Jul-2004
Last revised : 27-Jul-2004

Field is centred on n32 21 47.500,w103 50 4.3
Structure is centred on n32 21 49.000,w103 49 55.3

Slot location is n32 21 49.000,w103 49 55.300
Slot Grid coordinates are N 496359.502, E 654786.524
Slot local coordinates are 0.00 N 0.00 E

Projection type: mercator - New Mexico East (3001), Spheroid: Clarke - 1866

Reference North is True North

DEVON ENERGY
 Apache 25 Fed No. 8, slot #1
 Quahada Ridge (Delaware), EDDY COUNTY, NM.

SURVEY LISTING Page 1
 Your ref : MWD
 Last revised : 27-Jul-

2004

Measured Depth	Inclin. Degrees	Azimuth Degrees	True Vert Depth	R E C T A N G U L A R C O O R D I N A T E S		Dogleg Deg/100ft	Vert Sect
0.00	0.00	0.00	0.00	0.00 N	0.00 E	0.00	0.00
100.00	0.07	292.74	100.00	0.02 N	0.06 W	0.07	0.02
200.00	0.12	294.12	200.00	0.09 N	0.21 W	0.05	0.07
300.00	0.14	69.57	300.00	0.18 N	0.19 W	0.24	0.16
400.00	0.30	109.96	400.00	0.13 N	0.17 E	0.21	0.14
500.00	0.25	86.07	500.00	0.05 N	0.63 E	0.12	0.11
600.00	0.33	87.63	600.00	0.08 N	1.14 E	0.08	0.18
700.00	0.57	31.57	699.99	0.52 N	1.69 E	0.47	0.66
800.00	0.56	33.69	799.99	1.35 N	2.22 E	0.02	1.54
900.00	0.55	24.76	899.98	2.19 N	2.69 E	0.09	2.42
1000.00	0.61	25.49	999.98	3.11 N	3.12 E	0.06	3.37
1100.00	0.51	37.90	1099.97	3.94 N	3.62 E	0.16	4.24
1200.00	0.66	29.69	1199.97	4.79 N	4.18 E	0.17	5.14
1300.00	0.59	39.41	1299.96	5.69 N	4.80 E	0.13	6.08
1400.00	0.56	43.04	1399.96	6.44 N	5.46 E	0.05	6.89
1500.00	0.63	56.63	1499.95	7.10 N	6.25 E	0.16	7.62
1600.00	0.64	56.21	1599.95	7.71 N	7.17 E	0.01	8.31
1700.00	0.50	66.04	1699.94	8.20 N	8.03 E	0.17	8.87
1800.00	0.63	75.34	1799.94	8.52 N	8.97 E	0.16	9.27
1900.00	0.69	90.22	1899.93	8.66 N	10.10 E	0.18	9.50
2000.00	0.66	92.74	1999.92	8.63 N	11.28 E	0.04	9.58
2100.00	0.77	105.08	2099.92	8.42 N	12.50 E	0.19	9.48
2200.00	0.87	112.53	2199.91	7.96 N	13.85 E	0.15	9.13
2300.00	0.71	109.84	2299.90	7.46 N	15.13 E	0.16	8.75
2400.00	0.63	109.48	2399.89	7.06 N	16.24 E	0.08	8.45
2500.00	0.68	114.78	2499.88	6.63 N	17.29 E	0.08	8.11
2600.00	0.72	114.12	2599.88	6.13 N	18.41 E	0.04	7.71
2700.00	0.65	144.84	2699.87	5.41 N	19.31 E	0.37	7.07
2800.00	0.75	164.27	2799.86	4.31 N	19.81 E	0.26	6.02
2900.00	0.93	160.64	2899.85	2.92 N	20.26 E	0.19	4.67
3000.00	1.23	158.99	2999.83	1.15 N	20.91 E	0.30	2.97
3100.00	1.72	149.02	3099.80	1.14 S	22.07 E	0.55	0.79
3200.00	2.07	147.90	3199.74	3.96 S	23.80 E	0.35	-1.87
3300.00	2.03	151.04	3299.68	7.04 S	25.62 E	0.12	-4.78
3400.00	2.04	148.93	3399.62	10.11 S	27.39 E	0.08	-7.68
3500.00	2.27	136.73	3499.55	13.08 S	29.67 E	0.51	-10.44
3600.00	2.32	133.91	3599.47	15.92 S	32.48 E	0.12	-13.03
3700.00	1.83	138.29	3699.40	18.52 S	35.00 E	0.51	-15.40
3800.00	1.67	145.26	3799.35	20.91 S	36.90 E	0.27	-17.61
3900.00	1.39	148.37	3899.32	23.14 S	38.36 E	0.29	-19.71
4000.00	1.26	152.75	3999.29	25.15 S	39.50 E	0.16	-21.61
4100.00	1.14	154.22	4099.27	27.02 S	40.44 E	0.12	-23.39
4200.00	1.03	152.38	4199.25	28.71 S	41.29 E	0.12	-25.01
4300.00	1.02	151.38	4299.24	30.29 S	42.13 E	0.02	-26.50
4400.00	0.75	152.44	4399.22	31.65 S	42.86 E	0.27	-27.80

6993.00	14.00	353.80	6946.50	325.44 N	42.02 E	0.43	327.87
7055.00	14.00	354.90	7006.65	340.37 N	40.55 E	0.43	342.61
7118.00	13.90	354.90	7067.80	355.50 N	39.20 E	0.16	357.56
7180.00	13.70	355.60	7128.01	370.24 N	37.97 E	0.42	372.14
7243.00	13.60	357.30	7189.23	385.07 N	37.05 E	0.66	386.84
7304.00	13.40	358.80	7248.54	399.30 N	36.56 E	0.66	400.97
7365.00	12.70	358.80	7307.97	413.07 N	36.28 E	1.15	414.66
7430.00	12.70	359.80	7371.38	427.36 N	36.10 E	0.34	428.88
7492.00	11.90	359.50	7431.95	440.57 N	36.02 E	1.29	442.03
7555.00	11.60	359.10	7493.63	453.40 N	35.87 E	0.49	454.80
7619.00	11.50	359.50	7556.34	466.21 N	35.71 E	0.20	467.55
7680.00	11.50	359.80	7616.11	478.37 N	35.63 E	0.10	479.66
7742.00	11.20	0.52	7676.90	490.57 N	35.67 E	0.54	491.82
7804.00	10.90	0.52	7737.75	502.46 N	35.78 E	0.48	503.66
7868.00	10.90	0.52	7800.59	514.56 N	35.89 E	0.00	515.73

All data is in feet unless otherwise stated.
Coordinates from structure and TVD from rotary table.
Bottom hole distance is 515.81 on azimuth 3.99 degrees from wellhead.
Vertical section is from N 0.00 E 0.00 on azimuth 5.00 degrees.
Calculation uses the minimum curvature method.
Presented by Baker Hughes INTEQ

DEVON ENERGY
Apache 25 Fed No. 8, slot #1
Quahada Ridge (Delaware), EDDY COUNTY, NM.

SURVEY LISTING Page 4
Your ref : MWD
Last revised : 27-Jul-

2004

NO PROPOSAL

4500.00	0.80	155.97	4499.21	32.87 S	43.45 E	0.07	-28.96
4600.00	0.62	152.27	4599.21	33.99 S	43.98 E	0.19	-30.02
4700.00	0.52	155.01	4699.20	34.88 S	44.43 E	0.10	-30.87
4800.00	0.39	173.56	4799.20	35.63 S	44.66 E	0.19	-31.60
4900.00	0.35	180.44	4899.20	36.27 S	44.69 E	0.06	-32.24
5000.00	0.41	182.45	4999.19	36.93 S	44.68 E	0.06	-32.90
5100.00	0.30	183.54	5099.19	37.55 S	44.64 E	0.11	-33.52
5200.00	0.40	186.10	5199.19	38.16 S	44.59 E	0.10	-34.13
5300.00	0.68	178.66	5299.19	39.10 S	44.57 E	0.29	-35.07
5340.00	0.65	185.28	5339.18	39.56 S	44.55 E	0.21	-35.53
5359.00	0.44	146.77	5358.18	39.73 S	44.58 E	2.16	-35.70
5390.00	0.90	23.38	5389.18	39.61 S	44.74 E	3.87	-35.56
5422.00	2.10	11.40	5421.17	38.80 S	44.96 E	3.86	-34.74
5453.00	3.40	11.00	5452.13	37.34 S	45.25 E	4.19	-33.26
5483.00	4.50	14.20	5482.06	35.33 S	45.71 E	3.74	-31.21
5514.00	5.60	9.30	5512.94	32.66 S	46.25 E	3.81	-28.50
5546.00	6.90	10.00	5544.75	29.22 S	46.84 E	4.07	-25.03
5576.00	7.90	8.90	5574.50	25.41 S	47.47 E	3.37	-21.18
5608.00	8.50	10.70	5606.17	20.92 S	48.25 E	2.04	-16.63
5638.00	9.30	8.60	5635.81	16.34 S	49.02 E	2.88	-12.01
5669.00	10.30	6.80	5666.36	11.11 S	49.72 E	3.37	-6.74
5700.00	11.30	5.40	5696.81	5.34 S	50.34 E	3.33	-0.93
5731.00	12.40	4.70	5727.15	1.01 N	50.90 E	3.58	5.44
5763.00	13.50	2.60	5758.33	8.16 N	51.35 E	3.74	12.61
5793.00	14.40	1.90	5787.45	15.39 N	51.63 E	3.05	19.83
5854.00	15.20	0.90	5846.43	30.96 N	52.01 E	1.38	35.38
5916.00	15.80	1.20	5906.17	47.53 N	52.31 E	0.98	51.91
5977.00	15.70	1.60	5964.88	64.08 N	52.72 E	0.24	68.43
6006.00	16.10	1.20	5992.77	72.03 N	52.91 E	1.43	76.36
6038.00	15.80	0.52	6023.54	80.82 N	53.04 E	1.10	85.13
6069.00	15.50	1.20	6053.39	89.18 N	53.17 E	1.13	93.47
6099.00	15.50	0.17	6082.30	97.20 N	53.26 E	0.92	101.47
6130.00	16.00	0.17	6112.13	105.61 N	53.29 E	1.61	109.85
6161.00	16.20	358.80	6141.92	114.21 N	53.21 E	1.38	118.41
6191.00	16.20	358.80	6170.73	122.57 N	53.03 E	0.00	126.73
6222.00	16.00	358.80	6200.51	131.17 N	52.85 E	0.65	135.28
6252.00	15.80	359.10	6229.36	139.39 N	52.70 E	0.72	143.45
6283.00	15.60	359.50	6259.21	147.77 N	52.60 E	0.73	151.80
6314.00	15.40	358.80	6289.08	156.06 N	52.48 E	0.88	160.04
6345.00	15.30	359.10	6318.97	164.26 N	52.33 E	0.41	168.20
6375.00	15.30	358.80	6347.91	172.18 N	52.18 E	0.26	176.07
6406.00	14.80	358.40	6377.85	180.22 N	51.99 E	1.65	184.07
6437.00	14.40	358.40	6407.85	188.04 N	51.77 E	1.29	191.83
6468.00	14.60	358.80	6437.86	195.79 N	51.58 E	0.72	199.54
6498.00	14.90	358.00	6466.87	203.43 N	51.36 E	1.21	207.13
6529.00	14.70	357.00	6496.84	211.34 N	51.02 E	1.05	214.98
6561.00	14.60	357.70	6527.80	219.42 N	50.65 E	0.64	223.00
6622.00	14.20	357.00	6586.88	234.58 N	49.95 E	0.72	238.04
6683.00	14.40	355.20	6645.99	249.61 N	48.92 E	0.80	252.92
6745.00	14.30	354.90	6706.06	264.92 N	47.59 E	0.20	268.06
6807.00	14.40	355.20	6766.13	280.23 N	46.27 E	0.20	283.19
6869.00	14.00	354.90	6826.23	295.38 N	44.96 E	0.66	298.17
6932.00	14.20	354.50	6887.33	310.66 N	43.54 E	0.35	313.27