

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB NO. 1004-0137
EXPIRES: NOVEMBER 30, 2000

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

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

2. Name of Operator

DEVON ENERGY PRODUCTION COMPANY, LP

3. Address

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

3a. Phone No. (include area code)
405-552-8198

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

At Surface

1471 FSL 1150 FEL

At top prod. Interval reported below

At total Depth

2281 FSL 421 FWL

5. Lease Serial No.

NMNM89051

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.

8. Lease Name and Well No.

Apache 24 Fed 9

9. API Well No.

30-015-33616

10. Field and Pool, or Exploratory
Quahada Ridge SE

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

24 22S 30E

12. County or Parish 13. State
Eddy NM

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

3404'

14. Date Spudded

9/17/2004

15. Date T.D. Reached

10/15/2004

16. Date Completed

11/12/2004

☐ D & A ☒ Ready to Prod.

18. Total Depth: MD

TVD

11,678

19. Plug Back T.D.: MD

open hole 8039-11678'

TVI

20. Depth Bridge Plug Set: 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)

PEX-AITH, CFL-GR, CNL

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	655'		600 sx Cl C, circ 233 sx		0	
12 1/4"	8 5/8" J55	40	0	3850'		1400 sx Poz, circ 212 sx		0	
8 3/4"	7" J55	23	0	8040'		1460 sx Poz, circ 175 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	7370							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
Delaware	8086	11636	open hole 8039-11678'			

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

Depth Interval	Amount and Type of Material
8086-11636	Frac w/ 645,000 # 16/30 sn

RECEIVED

MAR 07 2005

000-11636

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
11/13/2004	11/21/2004	24	→	262	339	574			Pumping
Choke Size	Tbg. Press. Flwg SI	Csg. Press	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas : Oil Ratio	Well Status	
			→	262	339	574	1,294		

28a. Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						Producing Oil Well
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)

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 Salado Base Salt Delaware Cherry Canyon Brushy Canyon	498' MD 772' MD 3637' MD 3898' MD 4891' MD 4890' TVD 6498' MD 6481' TVD

Additional remarks (include plugging procedure):

10/21/04 MIRU PU.
10/22/04 RIH and test tbg to 8000# - ok
10/23/04 RDMO
10/28/04 MIRU PU
10/29/04 Rel packer & POOH w/ tbg.
10/30/04 RIH w/ 3.5" tbg. TIH

10/31/04 RIH TO 11,636'. Frac w/ 110,000# 16/30 Ottawa sn. POOH to 10,951' frac w/ 103,000# 16/30 sn, POOH to 10,234' frac w/ 109,000# 16/30 sn. TOOH.
11/1/04 TIH to 9488' frac w/ 116,000# 16/30 sn. TOOH to 8770' frac 2/ 107,000# 16/30 sn. POOH to 8086' frac w/ 100,000# 16/30 sn. RD.
11/4/04 POOH w/ 3.5" tbg. RIH w/ 2 7/8" tbg.
11/5/04 POOH
11/12/04 Set pump and hookup wellhead
11/13/04 Turn 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

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

Name (Please print)

Norvella Adams

Title

Sr. Staff Engineering Technician

Signature

Date

3/4/2005

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

**McVAY DRILLING COMPANY**

Post Office Box 924
Hobbs, New Mexico 88241
(505) 397-3311
FAX: 39-DRILL

Well Name and Number: Apache 24 Federal #9

Location: Sec. 24, T22S, R30E, Eddy County NM

Operator: Devon Energy

Drilling Contractor: McVay Drilling Company

The undersigned certifies that he is an authorized representative of the drilling contractor who drilled the above described well and that he has conducted deviation tests and obtained the following results:

Degrees @ Depth		Degrees @ Depth		Degrees @ Depth	
2 ¼	103	1	5641	91 ¾	8355
1 ½	200	2 ½	5704	88 ¼	8483
1 ¼	290	4 ¼	5765	88 ¼	8514
1	603	8 ½	6016	88	8609
1	928	12 ½	6266	91 ¾	8939
1 ½	1178	13 ½	6298	90 ¼	9115
1 ½	1481	22 ½	6562	89 ½	9210
1 ¼	1864	29 ½	6781	91 ¼	9433
1 ½	2200	31	6845	91	9655
¾	2510	27 ½	7218	90 ¼	9718
1	2820	27	7404	89 ¾	10063
1 ¾	3175	29	7534	90 ¾	10254
1 ½	3360	53	7722	93 ¼	10317
2 ½	3710	59 ½	7782	91 ¾	10480
2	4190	62 ¾	7813	90	10576
2	4470	69 ½	7875	89 ¾	10897
1 ¼	4983	79	7971	88 ¼	10923
½	5572	90 ½	8069	90	11018
				90 ½	11082
				90 ½	11430
				92	11587
				92 ½	11626

Drilling Contractor: McVay Drilling Company

By: Jan 2004

Subscribed and sworn to before me this 21st day of October, 2004

Kevin Flannery

Notary Public

My Commission Expires: 8-16-05

Lea County, New Mexico

DEVON ENERGY

Created by: dani
Date plotted: 15-Oct-2004

Plot Reference is Pin 5.

Coordinates are in feet reference structure.

True Vertical Depths are reference structure.

24#9

--- Baker Hughes INTEQ ---

Structure : Apache 24 Fed #9

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	5555.00	0.53	181.77	5553.79	-90.93	44.62	-61.58	0.00
KOP	5700.00	0.53	181.77	5698.78	-92.27	44.57	-61.80	0.00
Target End of Build	6900.00	29.70	282.40	6845.92	-32.63	-252.67	241.36	2.48
Target Target no.1	6955.49	29.70	282.39	6894.12	-26.73	-279.52	268.85	0.01
Target End Of tangent	7563.21	29.71	282.41	7422.00	37.93	-573.60	569.90	0.00
Target End of Curve	8027.50	90.42	282.39	7643.00	120.34	-948.43	953.61	13.08
T.D. & Target TD	11691.13	90.45	282.35	7615.00	905.38	-4526.86	4616.51	0.00

<- West (feet)

4800 4400 4000 3600 3200 2800 2400 2000 1600 1200 800 400 0 400

T.D. & Target - 7615.00 Tvd, 905.38 N, 4526.86 W

Surface 0.00 N, 0.00 E

Tie on - 5553.79 Tvd, 90.93 S, 44.62 E

<- North (feet)

<- True Vertical Depth (feet)

4000
4400
4800
5200
5600
6000
6400
6800
7200
7600
8000

Tie on - 0.53 Inc, 5555.00 Md, 5553.79 Tvd, -61.58 Vs

Kick off Point - 0.53 Inc, 5700.00 Md, 5698.78 Tvd, -61.80 Vs

DLS: 2.48 deg per 100 ft

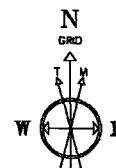
End of Build

Target - 29.70 Inc, 6900.00 Md, 6845.92 Tvd, 241.36 Vs

End of Curve

Target - 90.42 Inc, 8027.50 Md, 7643.00 Tvd, 953.61 Vs

T.D. & Target - 90.45 Inc, 11691.13 Md, 7615.00 Tvd, 4616.51 Vs



31-Dec-2003 (source: BUGH)

Magnetic North is 5.81 degrees East of True North

GRID North is 0.27 degrees East of True North

To correct azimuth from True to GRID subtract 0.27 deg

To correct azimuth from Magnetic to GRID add 5.54 deg

Vertical Section (feet) ->

Azimuth 281.31 with reference 0.00 S, 0.00 E from structure

DEVON ENERGY
Apache 24 Fed #9

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 : svy2670
License :

Date printed : 9-Nov-2004
Date created : 29-Sep-2004
Last revised : 15-Oct-2004

Field is centred on n32 21 47.500,w103 50 4.3
Structure is centred on 656579.000,500165.000,999.00000,N

Slot location is n32 22 26.575,w103 49 34.192
Slot Grid coordinates are N 500165.000, E 656579.000
Slot local coordinates are 0.00 N 0.00 E

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

Reference North is Grid North

DEVON ENERGY
 Apache 24 Fed #9, slot #1
 Quahada Ridge (Delaware), EDDY COUNTY, NM.

SURVEY LISTING Page 1
 Your ref : MWD
 Last revised : 15-Oct-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	0.84	98.44	100.00	0.11 S	0.73 E	0.84	-0.73
200.00	1.04	94.22	199.98	0.28 S	2.36 E	0.21	-2.36
300.00	0.87	97.89	299.97	0.45 S	4.01 E	0.18	-4.02
400.00	0.79	112.98	399.96	0.83 S	5.40 E	0.23	-5.46
500.00	0.74	123.01	499.95	1.45 S	6.58 E	0.14	-6.73
600.00	0.68	168.62	599.94	2.38 S	7.23 E	0.55	-7.56
700.00	0.90	183.23	699.93	3.75 S	7.31 E	0.30	-7.90
800.00	0.99	181.42	799.92	5.39 S	7.24 E	0.09	-8.16
900.00	1.09	182.17	899.90	7.21 S	7.18 E	0.10	-8.46
1000.00	1.17	181.32	999.88	9.18 S	7.12 E	0.08	-8.79
1100.00	1.31	172.14	1099.86	11.33 S	7.26 E	0.24	-9.34
1200.00	1.20	179.26	1199.84	13.51 S	7.43 E	0.19	-9.93
1300.00	1.20	177.13	1299.81	15.60 S	7.49 E	0.04	-10.41
1400.00	1.33	174.83	1399.79	17.81 S	7.65 E	0.14	-10.99
1500.00	1.25	179.09	1499.76	20.05 S	7.77 E	0.12	-11.55
1600.00	1.36	171.36	1599.74	22.32 S	7.97 E	0.21	-12.19
1700.00	1.30	176.68	1699.71	24.62 S	8.21 E	0.14	-12.88
1800.00	1.39	169.02	1799.68	26.95 S	8.51 E	0.20	-13.63
1900.00	1.37	170.99	1899.66	29.32 S	8.93 E	0.05	-14.50
2000.00	1.20	166.19	1999.63	31.51 S	9.36 E	0.20	-15.36
2100.00	1.06	171.94	2099.61	33.45 S	9.74 E	0.18	-16.11
2200.00	0.74	164.70	2199.60	34.99 S	10.04 E	0.34	-16.71
2300.00	0.61	158.25	2299.59	36.10 S	10.41 E	0.15	-17.29
2400.00	0.41	157.94	2399.59	36.93 S	10.74 E	0.20	-17.78
2500.00	0.48	145.92	2499.58	37.61 S	11.11 E	0.12	-18.27
2600.00	0.49	149.51	2599.58	38.32 S	11.56 E	0.03	-18.85
2700.00	0.57	160.71	2699.58	39.16 S	11.94 E	0.13	-19.39
2800.00	0.58	172.23	2799.57	40.13 S	12.18 E	0.12	-19.81
2900.00	1.02	192.41	2899.56	41.50 S	12.05 E	0.52	-19.96
3000.00	0.79	196.10	2999.55	43.03 S	11.67 E	0.24	-19.88
3100.00	0.96	166.99	3099.54	44.51 S	11.67 E	0.47	-20.17
3200.00	1.17	147.48	3199.52	46.19 S	12.41 E	0.42	-21.22
3300.00	1.40	148.24	3299.50	48.09 S	13.60 E	0.23	-22.77
3400.00	1.43	141.09	3399.47	50.10 S	15.03 E	0.18	-24.56
3500.00	1.74	138.70	3499.43	52.21 S	16.81 E	0.32	-26.72
3600.00	1.94	138.22	3599.38	54.61 S	18.94 E	0.20	-29.28
3700.00	2.15	135.25	3699.31	57.21 S	21.39 E	0.24	-32.19
3800.00	2.07	136.63	3799.24	59.85 S	23.95 E	0.09	-35.22
3850.00	2.04	135.52	3849.21	61.14 S	25.19 E	0.10	-36.70
3900.00	1.68	139.04	3899.19	62.33 S	26.30 E	0.76	-38.01
4000.00	1.72	139.04	3999.14	64.57 S	28.24 E	0.04	-40.36
4100.00	1.80	138.72	4099.09	66.89 S	30.26 E	0.08	-42.79
4200.00	1.63	140.56	4199.05	69.17 S	32.20 E	0.18	-45.14
4300.00	1.61	137.93	4299.01	71.31 S	34.05 E	0.08	-47.37
4400.00	1.38	141.80	4398.98	73.30 S	35.73 E	0.25	-49.41
4500.00	1.42	143.23	4498.95	75.23 S	37.22 E	0.05	-51.25
4600.00	1.23	145.38	4598.92	77.11 S	38.57 E	0.20	-52.94
4700.00	1.18	143.47	4698.90	78.82 S	39.79 E	0.06	-54.48
4800.00	1.02	148.86	4798.88	80.41 S	40.87 E	0.19	-55.84

All data is in feet unless otherwise stated.
 Coordinates from structure and TVD from rotary table.
 Bottom hole distance is 4616.45 on azimuth 281.18 degrees from wellhead.
 Vertical section is from S 0.00 E 0.00 on azimuth 281.31 degrees.
 Calculation uses the minimum curvature method.
 Presented by Baker Hughes INTEQ

DEVON ENERGY
Apache 24 Fed #9, slot #1
Quahada Ridge (Delaware), EDDY COUNTY, NM.

SURVEY LISTING Page 2
Your ref : MWD
Last revised : 15-Oct-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
4900.00	0.97	150.29	4898.86	81.91 S	41.75 E	0.06	-57.00
5000.00	0.91	157.62	4998.85	83.38 S	42.47 E	0.13	-57.99
5100.00	0.81	169.96	5098.84	84.81 S	42.89 E	0.21	-58.69
5200.00	0.89	158.40	5198.83	86.23 S	43.30 E	0.19	-59.37
5300.00	1.20	164.21	5298.81	87.95 S	43.87 E	0.33	-60.27
5400.00	0.49	167.12	5398.80	89.38 S	44.25 E	0.71	-60.92
5500.00	0.68	162.59	5498.79	90.36 S	44.53 E	0.20	-61.38
5555.00	0.53	181.77	5553.79	90.93 S	44.62 E	0.45	-61.58 Gyro Tie In
5577.00	0.40	177.10	5575.79	91.11 S	44.62 E	0.62	-61.62
5609.00	0.20	247.10	5607.79	91.24 S	44.57 E	1.19	-61.60
5641.00	0.90	290.60	5639.79	91.17 S	44.28 E	2.40	-61.31
5671.00	1.70	298.40	5669.78	90.88 S	43.67 E	2.73	-60.65
5704.00	2.50	297.30	5702.76	90.32 S	42.60 E	2.43	-59.49
5734.00	3.40	292.40	5732.72	89.68 S	41.20 E	3.11	-57.99
5765.00	4.20	289.90	5763.65	88.94 S	39.28 E	2.63	-55.96
5796.00	5.20	286.80	5794.55	88.15 S	36.87 E	3.33	-53.44
5828.00	5.90	284.70	5826.39	87.31 S	33.89 E	2.28	-50.35
5859.00	6.50	283.60	5857.21	86.49 S	30.64 E	1.97	-47.01
5922.00	7.60	281.50	5919.74	84.82 S	23.09 E	1.79	-39.28
5985.00	8.40	277.60	5982.12	83.39 S	14.45 E	1.53	-30.52
6016.00	8.40	277.30	6012.79	82.80 S	9.96 E	0.14	-26.01
6048.00	8.50	278.30	6044.44	82.16 S	5.30 E	0.56	-21.31
6078.00	9.20	279.00	6074.09	81.46 S	0.74 E	2.36	-16.70
6109.00	10.20	280.40	6104.64	80.58 S	4.41 W	3.31	-11.48
6140.00	11.00	280.40	6135.11	79.55 S	10.02 W	2.58	-5.78
6171.00	11.00	281.50	6165.54	78.43 S	15.82 W	0.68	0.14
6203.00	11.20	281.20	6196.94	77.22 S	21.86 W	0.65	6.30
6234.00	11.70	281.90	6227.33	75.98 S	27.89 W	1.67	12.45
6266.00	12.60	281.90	6258.61	74.59 S	34.48 W	2.81	19.18
6298.00	13.40	281.90	6289.79	73.11 S	41.53 W	2.50	26.38
6329.00	14.20	280.40	6319.90	71.68 S	48.78 W	2.83	33.78
6355.00	15.00	280.40	6345.06	70.50 S	55.23 W	3.08	40.33
6376.00	15.50	281.50	6365.32	69.45 S	60.65 W	2.75	45.85
6407.00	16.40	280.80	6395.12	67.80 S	69.01 W	2.97	54.37
6439.00	17.50	281.90	6425.73	65.97 S	78.15 W	3.58	63.70
6470.00	18.60	282.20	6455.21	63.96 S	87.55 W	3.56	73.30
6500.00	19.80	281.50	6483.54	61.94 S	97.20 W	4.07	83.17
6531.00	21.20	280.40	6512.57	59.88 S	107.86 W	4.68	94.02
6562.00	22.40	280.40	6541.36	57.80 S	119.19 W	3.87	105.54
6593.00	23.10	279.70	6569.94	55.71 S	130.99 W	2.42	117.52
6624.00	23.70	279.40	6598.39	53.67 S	143.13 W	1.97	129.83
6656.00	24.30	279.00	6627.63	51.59 S	155.98 W	1.94	142.83
6687.00	25.50	279.00	6655.75	49.54 S	168.87 W	3.87	155.87
6717.00	27.00	279.00	6682.65	47.47 S	181.97 W	5.00	169.13
6749.00	28.20	278.00	6711.01	45.28 S	196.64 W	4.02	183.94
6781.00	29.50	277.30	6739.04	43.23 S	211.94 W	4.20	199.35
6813.00	30.40	276.20	6766.76	41.35 S	227.80 W	3.29	215.27
6845.00	31.00	276.60	6794.28	39.53 S	244.04 W	1.98	231.55
6877.00	31.60	276.90	6821.62	37.57 S	260.55 W	1.94	248.12
6909.00	31.40	278.30	6848.91	35.36 S	277.12 W	2.37	264.80

All data is in feet unless otherwise stated.
Coordinates from structure and TVD from rotary table.
Bottom hole distance is 4616.45 on azimuth 281.18 degrees from wellhead.
Vertical section is from S 0.00 E 0.00 on azimuth 281.31 degrees.
Calculation uses the minimum curvature method.
Presented by Baker Hughes INTEQ

DEVON ENERGY
 Apache 24 Fed #9, slot #1
 Quahada Ridge (Delaware), EDDY COUNTY, NM.

SURVEY LISTING Page 3
 Your ref : MWD
 Last revised : 15-Oct-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
6939.00	30.90	278.30	6874.58	33.12 S	292.48 W	1.67	280.30
6970.00	30.60	280.10	6901.22	30.59 S	308.12 W	3.12	296.14
7000.00	30.60	280.80	6927.04	27.82 S	323.14 W	1.19	311.41
7030.00	30.40	282.20	6952.89	24.79 S	338.06 W	2.46	326.63
7062.00	29.80	282.60	6980.58	21.34 S	353.73 W	1.98	342.68
7093.00	29.20	280.80	7007.56	18.24 S	368.68 W	3.45	357.94
7124.00	28.60	281.20	7034.70	15.38 S	383.39 W	2.03	372.92
7156.00	27.90	280.40	7062.89	12.55 S	398.26 W	2.49	388.07
7187.00	27.40	280.80	7090.35	9.90 S	412.40 W	1.72	402.45
7218.00	27.50	281.90	7117.86	7.09 S	426.41 W	1.67	416.74
7248.00	27.70	281.90	7144.44	4.22 S	440.01 W	0.67	430.64
7280.00	28.50	281.90	7172.67	1.11 S	454.76 W	2.50	445.71
7313.00	28.70	282.90	7201.64	2.28 N	470.19 W	1.57	461.51
7344.00	28.60	283.60	7228.85	5.69 N	484.66 W	1.13	476.36
7376.00	27.80	283.60	7257.05	9.24 N	499.35 W	2.50	491.47
7407.00	26.90	284.30	7284.59	12.67 N	513.18 W	3.08	505.70
7438.00	26.50	284.00	7312.28	16.08 N	526.68 W	1.36	519.61
7468.00	26.60	283.60	7339.12	19.28 N	539.70 W	0.68	533.00
7503.00	27.20	281.90	7370.33	22.77 N	555.15 W	2.79	548.83
7534.00	29.00	281.90	7397.67	25.78 N	569.44 W	5.81	563.43
7565.00	32.60	281.50	7424.30	29.00 N	584.98 W	11.63	579.30
7596.00	37.00	281.50	7449.75	32.52 N	602.31 W	14.19	596.99
7627.00	41.70	282.20	7473.71	36.56 N	621.54 W	15.23	616.64
7661.00	46.10	281.50	7498.21	41.40 N	644.61 W	13.02	640.21
7691.00	49.50	282.60	7518.35	46.04 N	666.34 W	11.65	662.43
7722.00	53.60	283.30	7537.63	51.49 N	689.99 W	13.34	686.69
7753.00	56.80	284.30	7555.32	57.56 N	714.71 W	10.66	712.12
7782.00	59.50	284.70	7570.62	63.73 N	738.55 W	9.38	736.71
7813.00	62.90	284.70	7585.55	70.62 N	764.83 W	10.97	763.82
7844.00	66.10	285.00	7598.90	77.79 N	791.87 W	10.36	791.75
7875.00	69.30	284.70	7610.66	85.14 N	819.59 W	10.36	820.37
7906.00	72.90	284.70	7620.70	92.58 N	847.95 W	11.61	849.64
7940.00	76.00	284.00	7629.81	100.70 N	879.68 W	9.33	882.35
7971.00	79.10	284.00	7636.49	108.02 N	909.05 W	10.00	912.58
7993.00	81.50	284.30	7640.20	113.32 N	930.08 W	10.99	934.24
8038.00	87.50	283.70	7644.51	124.15 N	973.52 W	13.40	978.96
8069.00	90.40	282.60	7645.08	131.20 N	1003.70 W	10.00	1009.94
8101.00	91.50	283.30	7644.55	138.37 N	1034.88 W	4.07	1041.92
8133.00	91.30	284.00	7643.77	145.92 N	1065.96 W	2.27	1073.88
8197.00	91.90	285.00	7641.98	161.94 N	1127.90 W	1.82	1137.76
8229.00	92.30	285.40	7640.81	170.32 N	1158.76 W	1.77	1169.66
8260.00	91.90	284.70	7639.67	178.37 N	1188.68 W	2.60	1200.57
8292.00	91.70	282.60	7638.67	185.92 N	1219.76 W	6.59	1232.53
8323.00	92.50	282.60	7637.53	192.67 N	1249.99 W	2.58	1263.50
8355.00	91.70	282.60	7636.36	199.65 N	1281.20 W	2.50	1295.47
8387.00	91.10	282.90	7635.57	206.71 N	1312.40 W	2.10	1327.45
8419.00	90.30	283.60	7635.18	214.04 N	1343.54 W	3.32	1359.43
8451.00	88.90	282.90	7635.41	221.38 N	1374.69 W	4.89	1391.41
8482.00	88.20	282.20	7636.19	228.11 N	1404.94 W	3.19	1422.39
8514.00	88.30	282.20	7637.17	234.87 N	1436.20 W	0.31	1454.37

All data is in feet unless otherwise stated.
 Coordinates from structure and TVD from rotary table.
 Bottom hole distance is 4616.45 on azimuth 281.18 degrees from wellhead.
 Vertical section is from S 0.00 E 0.00 on azimuth 281.31 degrees.
 Calculation uses the minimum curvature method.
 Presented by Baker Hughes INTEQ

DEVON ENERGY
Apache 24 Fed #9, slot #1
Quahada Ridge (Delaware), EDDY COUNTY, NM.

SURVEY LISTING Page 4
Your ref : MWD
Last revised : 15-Oct-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
8546.00	88.20	282.60	7638.15	241.74 N	1467.44 W	1.29	1486.35
8577.00	88.10	282.60	7639.15	248.50 N	1497.68 W	0.32	1517.33
8609.00	88.10	282.90	7640.21	255.56 N	1528.87 W	0.94	1549.30
8640.00	89.10	282.20	7640.97	262.29 N	1559.12 W	3.94	1580.28
8672.00	90.30	281.90	7641.13	268.97 N	1590.42 W	3.87	1612.28
8703.00	90.70	282.20	7640.86	275.44 N	1620.73 W	1.61	1643.28
8767.00	91.10	282.60	7639.86	289.18 N	1683.23 W	0.88	1707.26
8798.00	91.10	282.90	7639.26	296.02 N	1713.46 W	0.97	1738.24
8862.00	90.90	282.90	7638.15	310.31 N	1775.84 W	0.31	1802.21
8893.00	91.30	282.90	7637.55	317.23 N	1806.05 W	1.29	1833.19
8925.00	91.80	283.30	7636.68	324.48 N	1837.20 W	2.00	1865.16
8957.00	91.80	283.30	7635.68	331.84 N	1868.33 W	0.00	1897.13
8989.00	91.70	282.60	7634.70	339.00 N	1899.50 W	2.21	1929.10
9020.00	91.70	281.50	7633.78	345.47 N	1929.80 W	3.55	1960.08
9052.00	90.90	281.20	7633.06	351.77 N	1961.17 W	2.67	1992.07
9083.00	90.20	280.40	7632.76	357.58 N	1991.62 W	3.43	2023.07
9115.00	90.30	280.40	7632.62	363.35 N	2023.09 W	0.31	2055.07
9147.00	90.40	280.80	7632.42	369.24 N	2054.55 W	1.29	2087.06
9210.00	89.60	280.80	7632.42	381.05 N	2116.43 W	1.27	2150.06
9242.00	89.60	280.40	7632.65	386.93 N	2147.88 W	1.25	2182.06
9273.00	90.40	280.80	7632.65	392.63 N	2178.35 W	2.89	2213.05
9305.00	90.40	280.80	7632.42	398.63 N	2209.79 W	0.00	2245.05
9337.00	90.20	280.80	7632.26	404.63 N	2241.22 W	0.62	2277.05
9369.00	90.90	281.20	7631.95	410.73 N	2272.63 W	2.52	2309.05
9401.00	91.50	281.50	7631.28	417.03 N	2304.00 W	2.10	2341.04
9433.00	91.20	281.50	7630.52	423.41 N	2335.35 W	0.94	2373.03
9462.00	91.60	281.50	7629.82	429.19 N	2363.76 W	1.38	2402.02
9496.00	92.00	281.90	7628.75	436.08 N	2397.03 W	1.66	2436.01
9528.00	91.80	281.90	7627.69	442.67 N	2428.33 W	0.62	2467.99
9559.00	91.00	281.90	7626.93	449.06 N	2458.65 W	2.58	2498.97
9591.00	90.70	281.90	7626.46	455.66 N	2489.96 W	0.94	2530.97
9623.00	91.10	282.20	7625.95	462.34 N	2521.25 W	1.56	2562.96
9655.00	91.10	282.60	7625.34	469.21 N	2552.50 W	1.25	2594.95
9686.00	90.50	282.60	7624.91	475.97 N	2582.75 W	1.94	2625.94
9718.00	90.30	282.60	7624.68	482.95 N	2613.98 W	0.62	2657.93
9780.00	89.50	282.60	7624.79	496.48 N	2674.48 W	1.29	2719.91
9812.00	89.60	282.60	7625.04	503.46 N	2705.71 W	0.31	2751.91
9844.00	89.80	282.90	7625.21	510.52 N	2736.92 W	1.13	2783.89
9876.00	90.10	283.30	7625.24	517.77 N	2768.09 W	1.56	2815.88
9908.00	90.50	283.60	7625.07	525.22 N	2799.21 W	1.56	2847.86
9939.00	90.40	283.60	7624.83	532.50 N	2829.34 W	0.32	2878.83
9970.00	90.40	283.60	7624.61	539.79 N	2859.47 W	0.00	2909.81
10001.00	90.20	283.60	7624.45	547.08 N	2889.60 W	0.65	2940.78
10032.00	89.70	283.30	7624.47	554.29 N	2919.75 W	1.88	2971.76
10063.00	89.60	283.30	7624.66	561.43 N	2949.92 W	0.32	3002.74
10094.00	89.50	282.90	7624.91	568.45 N	2980.11 W	1.33	3033.72
10126.00	89.60	282.90	7625.16	575.59 N	3011.30 W	0.31	3065.71
10158.00	90.40	284.00	7625.16	583.04 N	3042.43 W	4.25	3097.69
10190.00	89.80	284.00	7625.10	590.78 N	3073.47 W	1.87	3129.65
10222.00	89.60	283.60	7625.27	598.41 N	3104.55 W	1.40	3161.62

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Vertical section is from S 0.00 E 0.00 on azimuth 281.31 degrees.
Calculation uses the minimum curvature method.
Presented by Baker Hughes INTEQ

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
10254.00	90.70	284.30	7625.19	606.13 N	3135.61 W	4.07	3193.59
10285.00	91.90	284.30	7624.48	613.78 N	3165.64 W	3.87	3224.53
10317.00	93.30	284.70	7623.03	621.78 N	3196.58 W	4.55	3256.45
10349.00	93.30	284.30	7621.19	629.78 N	3227.51 W	1.25	3288.35
10385.00	93.20	284.30	7619.15	638.66 N	3262.34 W	0.28	3324.24
10416.00	93.10	283.30	7617.45	646.04 N	3292.40 W	3.24	3355.17
10448.00	92.50	282.60	7615.88	653.21 N	3323.55 W	2.88	3387.11
10480.00	91.80	281.90	7614.68	659.99 N	3354.80 W	3.09	3419.09
10512.00	90.60	281.00	7614.01	666.34 N	3386.15 W	4.69	3451.08
10544.00	90.30	279.70	7613.76	672.09 N	3417.63 W	4.17	3483.07
10576.00	90.10	279.70	7613.65	677.48 N	3449.17 W	0.63	3515.06
10639.00	89.60	279.00	7613.81	687.72 N	3511.34 W	1.37	3578.02
10671.00	89.40	278.70	7614.09	692.64 N	3542.95 W	1.13	3609.99
10734.00	89.60	279.70	7614.64	702.71 N	3605.14 W	1.62	3672.95
10797.00	89.90	279.80	7614.92	713.38 N	3667.23 W	0.50	3735.92
10829.00	90.00	279.70	7614.95	718.80 N	3698.77 W	0.44	3767.91
10860.00	89.60	279.40	7615.05	723.94 N	3729.34 W	1.61	3798.89
10892.00	88.90	279.40	7615.47	729.17 N	3760.91 W	2.19	3830.87
10923.00	88.30	279.70	7616.23	734.31 N	3791.47 W	2.16	3861.85
10955.00	88.40	280.40	7617.15	739.89 N	3822.96 W	2.21	3893.83
10986.00	89.00	280.80	7617.85	745.59 N	3853.43 W	2.33	3924.82
11018.00	90.10	281.20	7618.11	751.70 N	3884.84 W	3.66	3956.82
11050.00	90.60	281.90	7617.91	758.11 N	3916.19 W	2.69	3988.81
11082.00	90.40	281.90	7617.63	764.71 N	3947.50 W	0.62	4020.81
11145.00	90.90	281.90	7616.92	777.70 N	4009.14 W	0.79	4083.80
11208.00	91.40	283.30	7615.65	791.44 N	4070.61 W	2.36	4146.77
11240.00	90.90	282.60	7615.01	798.61 N	4101.79 W	2.69	4178.75
11304.00	88.90	281.20	7615.12	811.80 N	4164.41 W	3.81	4242.75
11367.00	89.60	282.20	7615.95	824.58 N	4226.09 W	1.94	4305.74
11430.00	90.40	283.60	7615.95	838.64 N	4287.50 W	2.56	4368.71
11462.00	90.70	283.30	7615.64	846.08 N	4318.62 W	1.33	4400.69
11494.00	91.40	283.30	7615.05	853.44 N	4349.76 W	2.19	4432.66
11524.00	91.60	283.30	7614.27	860.34 N	4378.94 W	0.67	4462.63
11587.00	92.10	282.90	7612.23	874.61 N	4440.27 W	1.02	4525.57
11626.00	92.50	283.30	7610.67	883.45 N	4478.23 W	1.45	4564.52
11678.00	92.50	283.30	7608.40	895.40 N	4528.78 W	0.00	4616.44 Projection to TD

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DEVON ENERGY
Apache 24 Fed #9, slot #1
Quahada Ridge (Delaware), EDDY COUNTY, NM.

SURVEY LISTING Page 6
Your ref : MWD
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				<u>Comments in wellpath</u>
MD	TVD	Rectangular Coords.		<u>Comment</u>
5555.00	5553.79	90.93 S	44.62 E	Gyro Tie In
11678.00	7608.40	895.40 N	4528.78 W	Projection to TD

NO PROPOSAL