

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
Use Serial No.

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

NMNM89052

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

6. If Indian, Allottee or Tribe Name

c. Name of Operator

DEVON ENERGY PRODUCTION COMPANY, LP

7. Unit or CA Agreement Name and No.

d. 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 13

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

At Surface

2360 FNL 1980 FWL

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AUG 11 2004

OOD-ARTESIA

9. API Well No.

30-015-33440 S1

At top prod. Interval reported below

At total Depth

1947 FNL & 2062 FEL

10. Field and Pool, or Exploratory

Quahada Ridge SE Delaware

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)*

2250' GL

4. Date Spudded

6/9/2004

15. Date T.D. Reached

6/27/2004

16. Date Completed

7/14/2004

☐ D & A ☒ Ready to Prod.

8. Total Depth: MD

7853'

19. Plug Back T.D.: MD

MD

7806'

20. Depth Bridge Plug Set: MD

MD

1. 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-CMR

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

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	640		600 sx Cls C, circ 30 bbls		0	
11	8 5/8 J55	32	0	3830		1100 sx Cls C, circ 21 sx		0	
7 7/8	5 1/2 J55	15.5 & 17	0	7853		700 sx Cl C, circ 60 sx			

4. 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	7438							

5. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
Brushy Canyon	7620	7636	7620-7636		32	Producing

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

Depth Interval	Amount and Type of Material
7620-7636	Frac w/ 200,000# 16/30 White Sand & 18,000# 16/30 EX-63696 Sand

ACCEPTED FOR RECORD

AUG 10 2004

ALEXIS C. SWOBODA
PETROLEUM ENGINEER

3. 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
1/15/2004	7/21/2004	24	→	130	124	168			Pumping
Choke Size	Tbg. Press. Flwg SI	Csg. Press	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas : Oil Ratio	Well Status	
			→	130	124	168	954	Producing Oil Well	

3a. 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	
			→						

(See instructions and spaces for additional data on reverse side)

8b. 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	

8c. 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-tem 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	379
				Salado	665
				Base Salado	3606
				Delaware	3851
				Cherry Canyon	4794
				Brushy Canyon	6373
				Bone Spring	7764

Additional remarks (include plugging procedure):

7/08/04 MIRUPU. Drill out DV tool.

7/09/04 Pressure test csg to 1000 psi--Held. RIH w/ guns & perf 7620-7636 w/ 2 SPF. Frac w/ 200,000# 16/30 White sand & 18,000# EX-63696 sand

7/13/04 RIH w/ 232 jts 2 7/8" tbg

7/14/04 RIH w/ rods & pump. Hang well on.

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)

Linda Guthrie

Title

Regulatory Specialist

Signature

Date

8/6/2004

Under 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.

LEVON ENERGY

Created by adryanm
Date plotted : 7-Jul-2004
Plot Reference is PLAN NO.2.
Coordinates are in feet reference structure.
True Vertical Depths are reference structure.
app13pva
--- Baker Hughes INTEQ ---

Structure : Apache 25 Fed no.13

Slot : slot #1

Field : Quahada Ridge (Delaware) Location : EDDY COUNTY, NM.

WELL PROFILE DATA

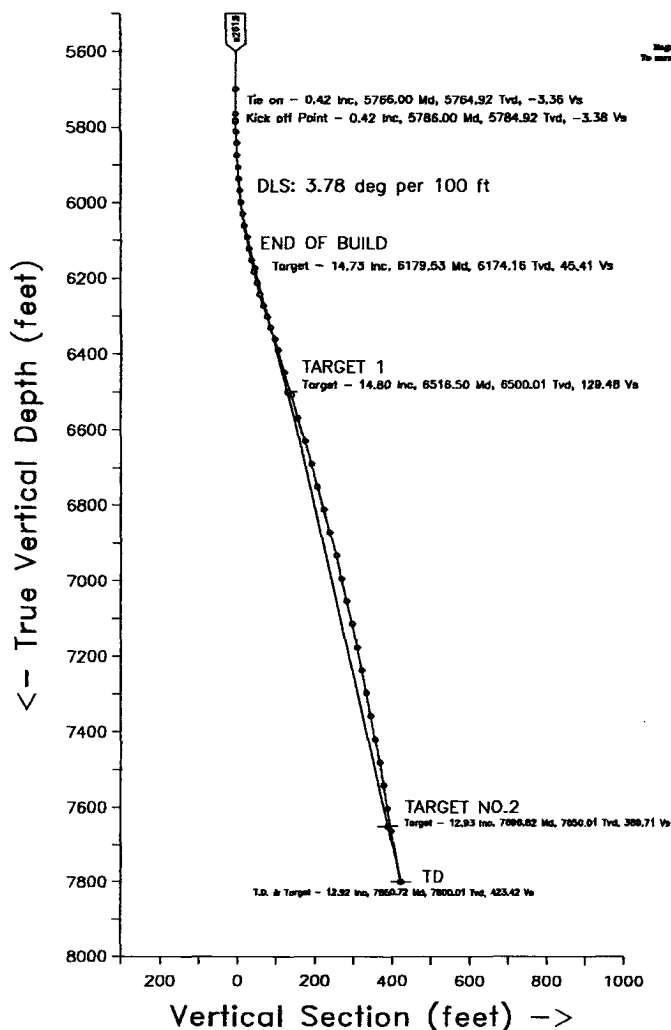
Point	MD	Inc	Dir	TVD	North	East	V. Sect	Deg/100
Tie on	5766.00	0.42	109.18	5764.92	-21.17	85.73	-2.83	0.00
KOP	5786.00	0.42	109.18	5784.92	-21.22	85.87	-2.85	0.00
Target	6179.53	14.73	358.44	6174.16	28.61	85.87	45.94	3.78
Target	6516.50	14.80	1.55	6500.01	114.46	85.87	130.01	0.24
KOP	6622.00	12.93	359.92	6602.44	139.73	86.22	154.83	1.81
Target	7696.82	12.93	359.91	7650.01	380.20	85.87	390.24	0.00
T.D. & Target	7850.72	12.92	0.09	7800.01	414.62	85.87	423.95	0.03



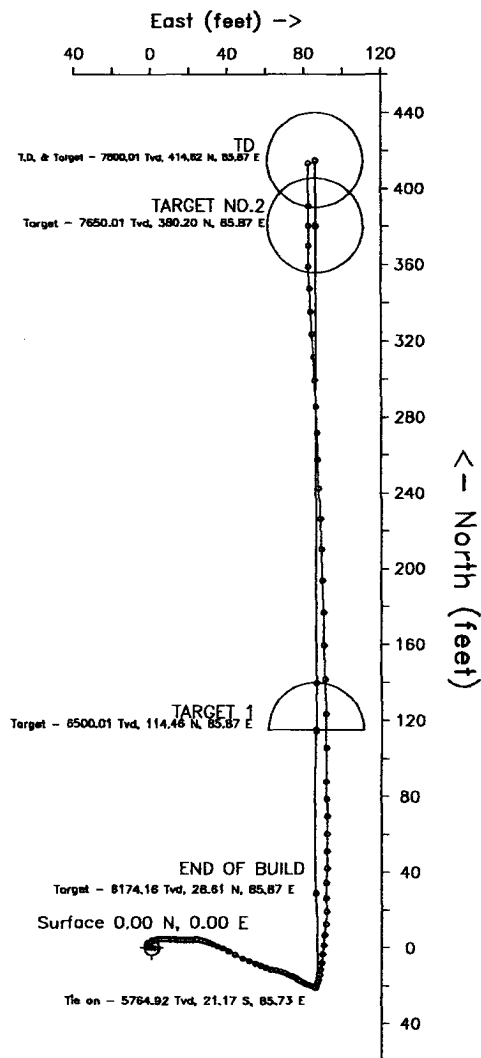
devon



At-Sea-0000 (Survey 0000)
Magnetic North is 0.00 degrees East of True North
To convert between True Magnetic and 0000 add 0.00 deg



Azimuth 11.69 with reference 0.00 N, 0.00 E from structure



DEVON ENERGY
Apache 25 Fed no.13

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 Survey
Our ref : svy2615
License :

Date printed : 7-Jul-2004
Date created : 22-Jun-2004
Last revised : 30-Jun-2004

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

Slot location is n32 21 47.500,w103 50 4.300
Slot Grid coordinates are N 496204.320, E 654015.305
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.13,slot #1
 Quahada Ridge (Delaware),EDDY COUNTY, NM.

SURVEY LISTING Page 1
 Your ref : MWD Survey
 Last revised : 30-Jun-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	0.74	309.70	100.00	0.41 N	0.50 W	0.74	0.30
200.00	0.43	316.26	199.99	1.10 N	1.25 W	0.32	0.82
300.00	0.45	312.16	299.99	1.63 N	1.80 W	0.04	1.23
400.00	0.31	314.41	399.99	2.08 N	2.29 W	0.14	1.58
500.00	0.16	6.22	499.99	2.41 N	2.47 W	0.25	1.86
600.00	0.20	61.18	599.99	2.63 N	2.30 W	0.17	2.11
700.00	0.53	69.87	699.98	2.88 N	1.71 W	0.33	2.47
800.00	0.48	57.74	799.98	3.26 N	0.92 W	0.12	3.01
900.00	0.61	70.27	899.97	3.66 N	0.07 W	0.18	3.57
1000.00	0.48	73.38	999.97	3.96 N	0.84 E	0.13	4.05
1100.00	0.59	72.32	1099.97	4.24 N	1.73 E	0.11	4.50
1200.00	0.60	76.60	1199.96	4.52 N	2.73 E	0.05	4.98
1300.00	0.70	85.62	1299.95	4.69 N	3.85 E	0.14	5.37
1400.00	0.67	83.90	1399.95	4.79 N	5.04 E	0.04	5.72
1500.00	0.67	82.29	1499.94	4.93 N	6.20 E	0.02	6.09
1600.00	0.87	94.38	1599.93	4.96 N	7.53 E	0.26	6.38
1700.00	0.78	97.06	1699.92	4.81 N	8.97 E	0.10	6.53
1800.00	0.86	96.22	1799.91	4.65 N	10.39 E	0.08	6.66
1900.00	0.95	96.93	1899.90	4.47 N	11.96 E	0.09	6.80
2000.00	0.93	97.66	1999.88	4.26 N	13.58 E	0.02	6.92
2100.00	1.00	93.92	2099.87	4.09 N	15.26 E	0.09	7.10
2200.00	0.93	85.57	2199.86	4.09 N	16.94 E	0.16	7.44
2300.00	0.91	88.82	2299.84	4.17 N	18.54 E	0.06	7.84
2400.00	0.96	87.58	2399.83	4.23 N	20.17 E	0.05	8.22
2500.00	0.98	87.04	2499.82	4.30 N	21.86 E	0.02	8.65
2600.00	0.89	85.24	2599.80	4.41 N	23.49 E	0.09	9.08
2700.00	0.88	105.15	2699.79	4.28 N	25.01 E	0.31	9.25
2800.00	0.84	109.20	2799.78	3.84 N	26.44 E	0.07	9.11
2900.00	0.98	108.18	2899.77	3.33 N	27.94 E	0.14	8.92
3000.00	1.20	110.24	2999.75	2.70 N	29.74 E	0.22	8.67
3100.00	1.62	111.34	3099.72	1.82 N	32.04 E	0.42	8.28
3200.00	1.59	113.20	3199.68	0.76 N	34.63 E	0.06	7.76
3300.00	1.65	114.51	3299.64	0.38 S	37.22 E	0.07	7.17
3400.00	2.14	116.44	3399.58	1.81 S	40.20 E	0.49	6.37
3500.00	2.40	116.85	3499.51	3.59 S	43.74 E	0.26	5.35
3600.00	2.47	115.64	3599.42	5.47 S	47.55 E	0.09	4.28
3700.00	2.07	111.85	3699.34	7.07 S	51.17 E	0.43	3.44
3800.00	1.78	112.92	3799.28	8.35 S	54.27 E	0.29	2.82
3900.00	1.72	108.65	3899.23	9.43 S	57.13 E	0.14	2.34
4000.00	1.55	108.21	3999.19	10.34 S	59.83 E	0.17	2.00
4100.00	1.59	107.35	4099.16	11.17 S	62.44 E	0.05	1.71
4200.00	1.48	106.28	4199.12	11.95 S	65.00 E	0.11	1.47
4300.00	1.37	104.82	4299.09	12.62 S	67.40 E	0.12	1.30
4400.00	1.28	111.92	4399.06	13.34 S	69.59 E	0.19	1.04
4500.00	1.30	113.29	4499.04	14.20 S	71.67 E	0.04	0.61
4600.00	1.18	117.92	4599.01	15.13 S	73.62 E	0.16	0.10
4700.00	1.14	116.38	4698.99	16.06 S	75.42 E	0.05	-0.44
4800.00	0.90	120.37	4798.98	16.90 S	76.99 E	0.25	-0.95
4900.00	0.81	118.65	4898.97	17.63 S	78.29 E	0.09	-1.41

All data is in feet unless otherwise stated.
 Coordinates from structure and TVD from rotary table.
 Bottom hole distance is 421.54 on azimuth 11.27 degrees from wellhead.
 Vertical section is from N 0.00 E 0.00 on azimuth 11.69 degrees.
 Calculation uses the minimum curvature method.
 Presented by Baker Hughes INTEQ

DEVON ENERGY
 Apache 25 Fed no.13, slot #1
 Quahada Ridge (Delaware), EDDY COUNTY, NM.

SURVEY LISTING Page 2
 Your ref : MND Survey
 Last revised : 30-Jun-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
5000.00	0.82	120.58	4998.96	18.34 S	79.53 E	0.03	-1.84
5100.00	0.75	112.90	5098.95	18.96 S	80.74 E	0.13	-2.20
5200.00	0.68	110.13	5198.94	19.41 S	81.90 E	0.08	-2.42
5300.00	0.60	116.81	5298.93	19.85 S	82.93 E	0.11	-2.64
5400.00	0.48	104.34	5398.93	20.19 S	83.80 E	0.17	-2.80
5500.00	0.37	115.93	5498.92	20.44 S	84.50 E	0.14	-2.89
5600.00	0.27	130.95	5598.92	20.74 S	84.97 E	0.13	-3.09
5700.00	0.28	119.23	5698.92	21.01 S	85.36 E	0.06	-3.28
5766.00	0.42	109.18	5764.92	21.17 S	85.73 E	0.23	-3.36
5783.00	0.40	83.50	5781.92	21.18 S	85.85 E	1.08	-3.35
5814.00	1.20	27.59	5812.92	20.88 S	86.10 E	3.32	-3.00
5844.00	2.37	10.37	5842.90	19.99 S	86.36 E	4.25	-2.08
5876.00	3.16	17.75	5874.87	18.50 S	86.75 E	2.70	-0.54
5907.00	4.13	13.88	5905.80	16.60 S	87.28 E	3.23	1.42
5938.00	4.75	13.88	5936.71	14.27 S	87.85 E	2.00	3.82
5969.00	6.06	11.07	5967.57	11.42 S	88.47 E	4.31	6.74
6000.00	7.47	6.85	5998.35	7.82 S	89.03 E	4.82	10.39
6032.00	8.53	5.09	6030.04	3.39 S	89.49 E	3.40	14.82
6063.00	9.40	5.40	6060.66	1.42 N	89.93 E	2.81	19.62
6094.00	10.46	6.10	6091.20	6.74 N	90.47 E	3.44	24.93
6125.00	11.78	4.74	6121.62	12.70 N	91.03 E	4.34	30.88
6156.00	12.74	1.58	6151.91	19.27 N	91.38 E	3.78	37.38
6187.00	13.89	0.17	6182.08	26.40 N	91.49 E	3.85	44.39
6219.00	14.80	0.50	6213.08	34.33 N	91.54 E	2.86	52.17
6249.00	15.80	1.58	6242.01	42.25 N	91.68 E	3.47	59.95
6281.00	17.10	0.17	6272.70	51.31 N	91.82 E	4.25	68.85
6311.00	17.70	359.47	6301.33	60.28 N	91.79 E	2.12	77.62
6342.00	17.60	359.12	6330.87	69.68 N	91.67 E	0.47	86.80
6373.00	17.30	359.47	6360.44	78.97 N	91.56 E	1.03	95.88
6403.00	17.10	359.47	6389.10	87.84 N	91.47 E	0.67	104.55
6464.00	16.70	359.12	6447.47	105.57 N	91.26 E	0.68	121.87
6527.00	16.30	359.47	6507.87	123.46 N	91.04 E	0.65	139.35
6591.00	16.60	358.77	6569.25	141.59 N	90.76 E	0.56	157.04
6654.00	16.40	358.77	6629.66	159.47 N	90.37 E	0.32	174.48
6717.00	15.90	358.77	6690.17	176.99 N	90.00 E	0.79	191.56
6779.00	15.30	358.06	6749.89	193.66 N	89.54 E	1.02	207.79
6842.00	15.10	358.41	6810.68	210.17 N	89.03 E	0.35	223.85
6905.00	14.80	357.30	6871.55	226.41 N	88.42 E	0.66	239.63
6968.00	14.80	357.36	6932.46	242.49 N	87.67 E	0.02	255.22
7031.00	13.40	358.77	6993.56	257.82 N	87.14 E	2.29	270.13
7092.00	12.90	357.71	7052.96	271.69 N	86.72 E	0.91	283.63
7155.00	12.90	357.71	7114.37	285.75 N	86.16 E	0.00	297.28
7218.00	11.90	357.36	7175.90	299.26 N	85.58 E	1.59	310.40
7279.00	11.16	355.95	7235.67	311.43 N	84.87 E	1.30	322.17
7342.00	11.16	355.95	7297.48	323.60 N	84.01 E	0.00	333.91
7404.00	10.99	357.71	7358.33	335.49 N	83.35 E	0.61	345.42
7466.00	11.16	357.36	7419.17	347.39 N	82.84 E	0.29	356.97
7528.00	10.40	358.77	7480.08	358.98 N	82.44 E	1.30	368.23
7590.00	10.00	0.52	7541.10	369.95 N	82.37 E	0.82	378.97
7652.00	9.60	359.50	7602.19	380.51 N	82.37 E	0.70	389.30

All data is in feet unless otherwise stated.
 Coordinates from structure and TVD from rotary table.
 Bottom hole distance is 421.54 on azimuth 11.27 degrees from wellhead.
 Vertical section is from N 0.00 E 0.00 on azimuth 11.69 degrees.
 Calculation uses the minimum curvature method.
 Presented by Baker Hughes INTEQ

DEVON ENERGY
 Apache 25 Fed no.13,slot #1
 Quahada Ridge (Delaware),EDDY COUNTY, NM.

SURVEY LISTING Page 3
 Your ref : MWD Survey
 Last revised : 30-Jun-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
7714.00	9.50	0.02	7663.33	390.79 N 82.33 E	0.21	399.37
7853.00	9.23	0.17	7800.48	413.41 N 82.37 E	0.20	421.52

All data is in feet unless otherwise stated.
 Coordinates from structure and TVD from rotary table.
 Bottom hole distance is 421.54 on azimuth 11.27 degrees from wellhead.
 Vertical section is from N 0.00 E 0.00 on azimuth 11.69 degrees.
 Calculation uses the minimum curvature method.
 Presented by Baker Hughes INTEQ



DRILLING INC. Oil Well Drilling Contractor

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

July 1, 2004

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

Re: Apache 25 Fed #13
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:

215' - 3/4°	3062' - 1 3/4°	3930' - 2 1/4°	6000' - 7.47°
388' - 1°	3142' - 2°	4144' - 1 3/4°	6156' - 12.74°
603' - 3/4°	3234' - 1 1/2°	4579' - 1 1/2°	6281' - 17.10°
844' - 1 1/4°	3450' - 2 3/4°	4988' - 1 1/2°	6577' - 15.90°
1182' - 3/4°	3553' - 2 3/4°	5455' - 3/4°	7155' - 12.90°
1672' - 1°	3615' - 2 1/4°	5786' - 1/2°	7279' - 11.16°
2162' - 1 1/4°	3706' - 3°	5814' - 1 1/5°	7528' - 10.40°
2640' - 1 1/4°	3800' - 2°	5938' - 4 3/4°	7803' - 9.88°

Sincerely,

Jerry W. Wilbanks
President

RECEIVED

AUG 11 2004

OOD-ARTESIA

STATE OF NEW MEXICO)
COUNTY OF CHAVES)

The foregoing was acknowledged before me this 1st day of July, 2004 by Jerry W. Wilbanks.

MY COMMISSION EXPIRES

June 19th, 2007

NOTARY PUBLIC