

ABOVE THIS LINE FOR DIVISION USE ONLY

NEW MEXICO OIL CONSERVATION DIVISION
 - Engineering Bureau -
 1220 South St. Francis Drive, Santa Fe, NM 87505



ADMINISTRATIVE APPLICATION CHECKLIST

THIS CHECKLIST IS MANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AND REGULATIONS WHICH REQUIRE PROCESSING AT THE DIVISION LEVEL IN SANTA FE

Application Acronyms:

[NSL-Non-Standard Location] [NSP-Non-Standard Proration Unit] [SD-Simultaneous Dedication]
 [DHC-Downhole Commingling] [CTB-Lease Commingling] [PLC-Pool/Lease Commingling]
 [PC-Pool Commingling] [OLS - Off-Lease Storage] [OLM-Off-Lease Measurement]
 [WFX-Waterflood Expansion] [PMX-Pressure Maintenance Expansion]
 [SWD-Salt Water Disposal] [IPI-Injection Pressure Increase]
 [EOR-Qualified Enhanced Oil Recovery Certification] [PPR-Positive Production Response]

[1] **TYPE OF APPLICATION** - Check Those Which Apply for [A]

[A] Location - Spacing Unit - Simultaneous Dedication
☒ NSL ☐ NSP ☐ SD

Check One Only for [B] or [C]

[B] Commingling - Storage - Measurement
☐ DHC ☐ CTB ☐ PLC ☐ PC ☐ OLS ☐ OLM

[C] Injection - Disposal - Pressure Increase - Enhanced Oil Recovery
☐ WFX ☐ PMX ☐ SWD ☐ IPI ☐ EOR ☐ PPR

[D] Other: Specify _____

[2] **NOTIFICATION REQUIRED TO:** - Check Those Which Apply, or ☐ Does Not Apply

- [A] ☐ Working, Royalty or Overriding Royalty Interest Owners
- [B] ☐ Offset Operators, Leaseholders or Surface Owner
- [C] ☐ Application is One Which Requires Published Legal Notice
- [D] ☐ Notification and/or Concurrent Approval by BLM or SLO
 U.S. Bureau of Land Management - Commissioner of Public Lands, State Land Office
- [E] ☐ For all of the above, Proof of Notification or Publication is Attached, and/or,
- [F] ☐ Waivers are Attached

[3] **SUBMIT ACCURATE AND COMPLETE INFORMATION REQUIRED TO PROCESS THE TYPE OF APPLICATION INDICATED ABOVE.**

[4] **CERTIFICATION:** I hereby certify that the information submitted with this application for administrative approval is accurate and complete to the best of my knowledge. I also understand that no action will be taken on this application until the required information and notifications are submitted to the Division.

Note: Statement must be completed by an individual with managerial and/or supervisory capacity.

Print or Type Name

Signature

Title

Date

e-mail Address

devon

Devon Energy Corporation
20 North Broadway
Oklahoma City, Oklahoma 73102-8260

FAX

To: MIKE STOGNER

From: KEN GRAY

Fax: 505--242-3462
475

Date: 6/13/05

Phone:

Pages: 10 (including cover page)

Re: APACHE 13 KED 7H

CC:

☐ Urgent

☒ For Review

☐ Please Comment

☐ Please Reply

☐ Please Recycle

• Comments:



Devon Energy Corporation
20 North Broadway
Oklahoma City, Oklahoma 73102-8260
Fax 405-552-8113

June 10, 2005

New Mexico Oil Conservation Division
1220 South St. Francis Drive
Santa Fe, NM 87505
Attn: Michael Stogner

RE: Apache 13 Federal #7H
Section 13-T22S-R30E
Eddy County, New Mexico

Gentlemen:

Devon Energy Production Company, L.P. ("Devon"), as Operator, intends to drill the referenced horizontal Delaware well to a total vertical depth of 6,780' with a total measured depth of 10,138'. As reflected on the attached C-102, the well has been permitted at a surface location of 330' FEL and 1,210' FSL with a permitted bottom hole location of 2,310' FSL and 1650' FWL of Section 13. The initial portion of the open hole (and potentially productive) horizontal section of the well will be located 1,095' FEL and 1,459' FSL which is an unorthodox location.

Inasmuch as the initial portion of the open hole horizontal section of the referenced well is located at an unorthodox location from that permitted by the Statewide Pool Rules, Devon respectfully requests that the Commission administratively approve this application for an unorthodox location in accordance with Division Rule 104(F) (3). This unorthodox location affects the leasehold owner in Unit letters I, J, O & P. Devon is the owner of 100% Record Title of Federal Lease NM 89051 which covers Unit letters I, J, O & P, among other lands. Therefore, no additional notification of this application should be required as this unorthodox location will affect Devon leasehold only.

Attached for your review you will find a land plat reflecting Devon as the only affected party, a structure map covering the Lower Brushy Canyon, a State of New Mexico form C-102, and a Well Profile Planning Report prepared by Pathfinder Energy Services..

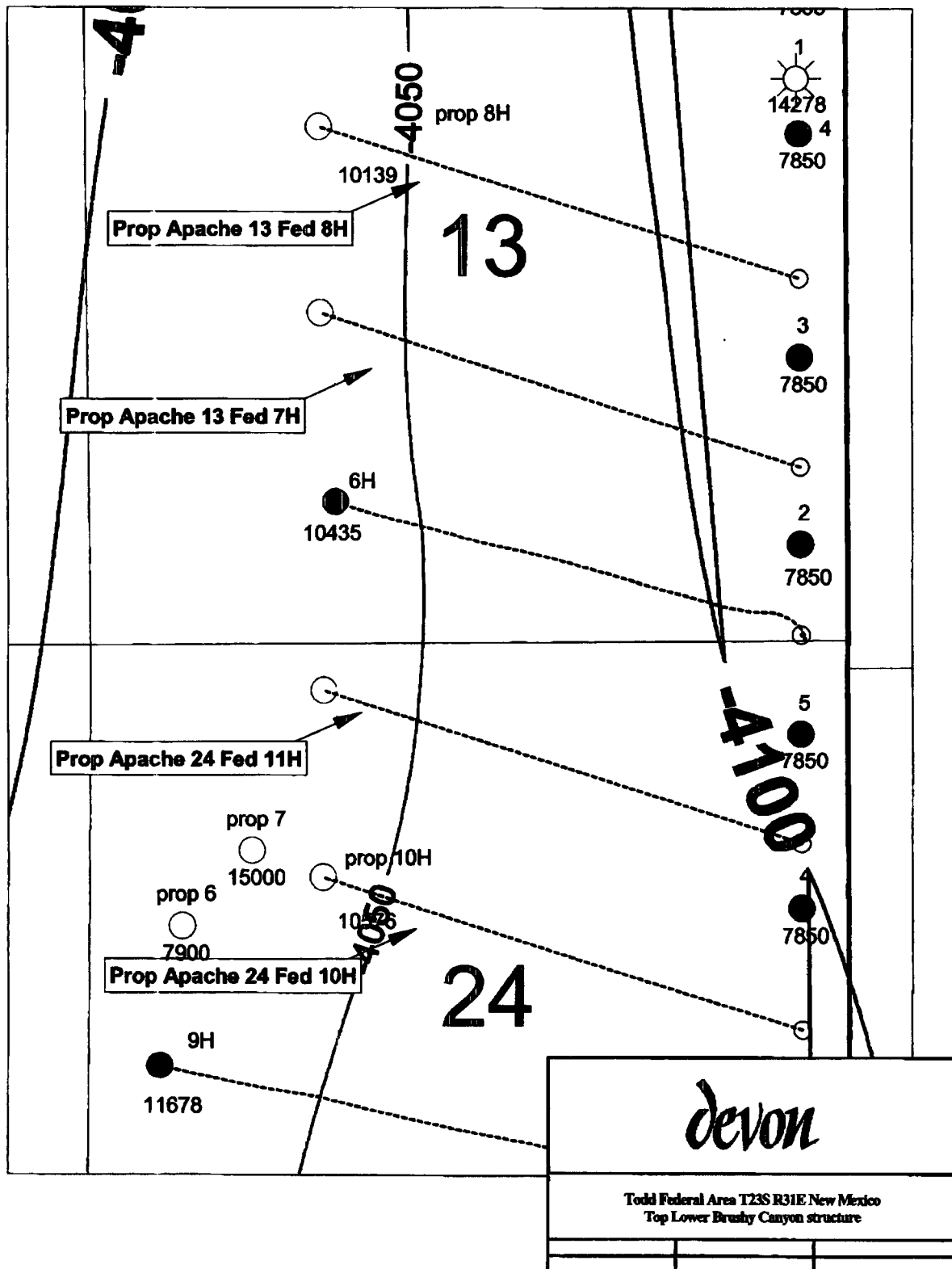
Feel free to contact the undersigned at (405) 552-4633 if there are any concerns or questions regarding this application.

Yours very truly,

DEVON ENERGY PRODUCTION COMPANY, L.P.

A handwritten signature in black ink, appearing to read "Ken Gray".

Ken Gray
Senior Land Advisor
KG\Apache 13-7 UL
Enclosure



DISTRICT I

1625 N. French Dr., Hobbs, NM 88240

DISTRICT II

611 South First, Artesia, NM 88210

DISTRICT III

1000 Rio Brazos Rd., Artec, NM 87410

DISTRICT IV

2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico

Energy, Minerals and Natural Resources Department

Form C-102

Revised March 17, 1999

Submit to Appropriate District Office

State Lease - 4 Copies

Fee Lease - 3 Copies

OIL CONSERVATION DIVISION

2040 South Pacheco

Santa Fe, New Mexico 87504-2088

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number	Pool Code	Pool Name
Property Code	Property Name APACHE "13" FEDERAL	Well Number 7
OGRID No.	Operator Name DEVON ENERGY PRODUCTION CO., L.P.	Elevation 3359'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	13	22 S	30 E		1210	SOUTH	330	EAST	EDDY

Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
K	13	22 S	30 E		2310	SOUTH	1650	WEST	EDDY

Dedicated Acres	Joint or Infill	Consolidation Code	Order No.
120			

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

	OPERATOR CERTIFICATION I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief. Signature _____ Printed Name _____ Title _____ Date _____
	SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision and that the same is true and correct to the best of my belief. FEBRUARY 14, 2005 Date Surveyed Signature of Surveyor Professional Surveyor No. 5120 Certificate No. 7977 BASIN SURVEYS
	1459' FS 1095' FS 3523.6' 3354.5' 3360.0' 330' 3362.6' 1210' Lat - N32°23'17.5" Long - W103°49'35.9"
	1459 1210 1320 1320/5

1880
1095
225 E/W

1095
- 330
765 E/W

1459
1320
1320/5



PathFinder Planning Report

Company: Devon Energy
Field: Apache - Section 13, T22-S, R30-E
Site: Apache 13 Federal #7H
Well: Apache 13 Federal #7H
Wellpath: Original Hole

Date: 4/19/2005 Time: 09:04:01 Page: 2
Co-ordinate(N/E) Reference: Site: Apache 13 Federal #7H, True North
Vertical (TVD) Reference: SITE 0.0
Section (VS) Reference: Well (0.00N,0.00E,288.04Azi)
Plan: Plan #2 041804

Survey

MD ft	Incl deg	Azimuth deg	TVD ft	+N-S ft	+E-W ft	VS ft	DLS deg/100ft	Bulld deg/100ft	Turn deg/100ft	Tool/Comment
1600.00	0.00	0.00	1600.00	0.00	0.00	0.00	0.00	0.00	0.00	
1700.00	0.00	0.00	1700.00	0.00	0.00	0.00	0.00	0.00	0.00	
1800.00	0.00	0.00	1800.00	0.00	0.00	0.00	0.00	0.00	0.00	
1900.00	0.00	0.00	1900.00	0.00	0.00	0.00	0.00	0.00	0.00	
2000.00	0.00	0.00	2000.00	0.00	0.00	0.00	0.00	0.00	0.00	
2100.00	0.00	0.00	2100.00	0.00	0.00	0.00	0.00	0.00	0.00	
2200.00	0.00	0.00	2200.00	0.00	0.00	0.00	0.00	0.00	0.00	
2300.00	0.00	0.00	2300.00	0.00	0.00	0.00	0.00	0.00	0.00	
2400.00	0.00	0.00	2400.00	0.00	0.00	0.00	0.00	0.00	0.00	
2500.00	0.00	0.00	2500.00	0.00	0.00	0.00	0.00	0.00	0.00	
2600.00	0.00	0.00	2600.00	0.00	0.00	0.00	0.00	0.00	0.00	
2700.00	0.00	0.00	2700.00	0.00	0.00	0.00	0.00	0.00	0.00	
2800.00	0.00	0.00	2800.00	0.00	0.00	0.00	0.00	0.00	0.00	
2900.00	0.00	0.00	2900.00	0.00	0.00	0.00	0.00	0.00	0.00	
3000.00	0.00	0.00	3000.00	0.00	0.00	0.00	0.00	0.00	0.00	
3100.00	0.00	0.00	3100.00	0.00	0.00	0.00	0.00	0.00	0.00	
3200.00	0.00	0.00	3200.00	0.00	0.00	0.00	0.00	0.00	0.00	
3300.00	0.00	0.00	3300.00	0.00	0.00	0.00	0.00	0.00	0.00	
3400.00	0.00	0.00	3400.00	0.00	0.00	0.00	0.00	0.00	0.00	
3500.00	0.00	0.00	3500.00	0.00	0.00	0.00	0.00	0.00	0.00	
3600.00	0.00	0.00	3600.00	0.00	0.00	0.00	0.00	0.00	0.00	
3700.00	0.00	0.00	3700.00	0.00	0.00	0.00	0.00	0.00	0.00	
3800.00	0.00	0.00	3800.00	0.00	0.00	0.00	0.00	0.00	0.00	
3900.00	0.00	0.00	3900.00	0.00	0.00	0.00	0.00	0.00	0.00	
4000.00	0.00	0.00	4000.00	0.00	0.00	0.00	0.00	0.00	0.00	
4100.00	0.00	0.00	4100.00	0.00	0.00	0.00	0.00	0.00	0.00	
4200.00	0.00	0.00	4200.00	0.00	0.00	0.00	0.00	0.00	0.00	
4300.00	0.00	0.00	4300.00	0.00	0.00	0.00	0.00	0.00	0.00	
4400.00	0.00	0.00	4400.00	0.00	0.00	0.00	0.00	0.00	0.00	
4500.00	0.00	0.00	4500.00	0.00	0.00	0.00	0.00	0.00	0.00	
4600.00	0.00	0.00	4600.00	0.00	0.00	0.00	0.00	0.00	0.00	
4700.00	0.00	0.00	4700.00	0.00	0.00	0.00	0.00	0.00	0.00	
4800.00	0.00	0.00	4800.00	0.00	0.00	0.00	0.00	0.00	0.00	
4900.00	0.00	0.00	4900.00	0.00	0.00	0.00	0.00	0.00	0.00	
5000.00	0.00	0.00	5000.00	0.00	0.00	0.00	0.00	0.00	0.00	
5100.00	0.00	0.00	5100.00	0.00	0.00	0.00	0.00	0.00	0.00	
5200.00	0.00	0.00	5200.00	0.00	0.00	0.00	0.00	0.00	0.00	
5300.00	0.00	0.00	5300.00	0.00	0.00	0.00	0.00	0.00	0.00	
5400.00	0.00	0.00	5400.00	0.00	0.00	0.00	0.00	0.00	0.00	
5500.00	0.00	0.00	5500.00	0.00	0.00	0.00	0.00	0.00	0.00	
5600.00	0.00	0.00	5600.00	0.00	0.00	0.00	0.00	0.00	0.00	
5700.00	0.00	0.00	5700.00	0.00	0.00	0.00	0.00	0.00	0.00	
5800.00	0.00	0.00	5800.00	0.00	0.00	0.00	0.00	0.00	0.00	
5900.00	0.00	0.00	5900.00	0.00	0.00	0.00	0.00	0.00	0.00	
6000.00	0.00	0.00	6000.00	0.00	0.00	0.00	0.00	0.00	0.00	
6100.00	0.00	0.00	6100.00	0.00	0.00	0.00	0.00	0.00	0.00	
6200.00	0.00	0.00	6200.00	0.00	0.00	0.00	0.00	0.00	0.00	
6300.00	0.00	0.00	6300.00	0.00	0.00	0.00	0.00	0.00	0.00	
6322.50	0.00	0.00	6322.50	0.00	0.00	0.00	0.00	0.00	0.00	
6325.00	0.30	288.04	6325.00	0.00	-0.01	0.01	12.00	12.00	0.00	
6350.00	3.30	288.04	6349.98	0.25	-0.75	0.79	12.00	12.00	0.00	
6375.00	6.30	288.04	6374.89	0.89	-2.74	2.88	12.00	12.00	0.00	
6400.00	9.30	288.04	6399.68	1.84	-5.97	6.28	12.00	12.00	0.00	
6425.00	12.30	288.04	6424.21	3.39	-10.42	10.96	12.00	12.00	0.00	



PathFinder Planning Report

Company: Devon Energy
Field: Apache - Section 13, T22-S, R30-E
Site: Apache 13 Federal #7H
Well: Apache 13 Federal #7H
Wellpath: Original Hole

Date: 4/19/2005 Time: 09:04:01 Page: 3
Co-ordinate(NE) Reference: Site: Apache 13 Federal #7H, True North
Vertical (TVD) Reference: SITE 0.0
Section (VS) Reference: Well (0.00N,0.00E,288.04Az)
Plan: Plan #2 041804

Survey

MD ft	Incl deg	Azimuth deg	TVD ft	+N-S ft	+E-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	Tool/Comment
6450.00	15.30	288.04	6448.49	5.24	-16.09	16.92	12.00	12.00	0.00	
6475.00	18.30	288.04	6472.42	7.48	-22.96	24.15	12.00	12.00	0.00	
6500.00	21.30	288.04	6495.94	10.10	-31.01	32.61	12.00	12.00	0.00	
6525.00	24.30	288.04	6518.98	13.10	-40.22	42.30	12.00	12.00	0.00	
6550.00	27.30	288.04	6541.49	16.47	-50.56	53.18	12.00	12.00	0.00	
6575.00	30.30	288.04	6563.40	20.20	-62.01	65.22	12.00	12.00	0.00	
6600.00	33.30	288.04	6584.64	24.28	-74.54	78.39	12.00	12.00	0.00	
6625.00	36.30	288.04	6605.17	28.89	-88.10	92.66	12.00	12.00	0.00	
6650.00	39.30	288.04	6624.92	33.44	-102.67	107.98	12.00	12.00	0.00	
6675.00	42.30	288.04	6643.84	38.50	-118.20	124.31	12.00	12.00	0.00	
6700.00	45.30	288.04	6661.89	43.85	-134.85	141.61	12.00	12.00	0.00	
6725.00	48.30	288.04	6679.00	49.50	-151.97	159.83	12.00	12.00	0.00	
6750.00	51.30	288.04	6695.14	55.41	-170.13	178.92	12.00	12.00	0.00	
6775.00	54.30	288.04	6710.25	61.57	-189.06	198.83	12.00	12.00	0.00	
6800.00	57.30	288.04	6724.30	67.98	-208.71	219.51	12.00	12.00	0.00	
6825.00	60.30	288.04	6737.25	74.60	-229.04	240.89	12.00	12.00	0.00	
6850.00	63.30	288.04	6749.07	81.42	-249.99	262.92	12.00	12.00	0.00	
6875.00	66.30	288.04	6759.71	88.42	-271.50	285.53	12.00	12.00	0.00	
6900.00	69.29	288.04	6769.16	95.59	-293.50	308.68	12.00	12.00	0.00	
6925.00	72.29	288.04	6777.38	102.90	-315.95	332.28	12.00	12.00	0.00	
6950.00	75.29	288.04	6784.36	110.33	-338.77	356.29	12.00	12.00	0.00	
6975.00	78.29	288.04	6790.07	117.87	-361.91	380.62	12.00	12.00	0.00	
7000.00	81.29	288.04	6794.50	125.49	-385.30	405.22	12.00	12.00	0.00	
7025.00	84.29	288.04	6797.63	133.17	-408.88	430.02	12.00	12.00	0.00	
7050.00	87.29	288.04	6799.47	140.89	-432.59	454.95	12.00	12.00	0.00	
7072.56	90.00	288.04	6800.00	147.87	-454.03	477.50	12.00	12.00	0.00	
7085.04	90.37	288.04	6799.98	151.74	-465.90	489.99	3.00	3.00	-0.03	
7100.00	90.37	288.04	6799.86	156.37	-480.12	504.94	0.00	0.00	0.00	
7200.00	90.37	288.04	6799.21	187.33	-575.21	604.94	0.00	0.00	0.00	
7300.00	90.37	288.04	6798.55	218.29	-670.29	704.94	0.00	0.00	0.00	
7400.00	90.37	288.04	6797.90	249.26	-765.37	804.94	0.00	0.00	0.00	117 Feet
7500.00	90.37	288.04	6797.25	280.22	-860.46	904.94	0.00	0.00	0.00	1459 Feet
7600.00	90.37	288.04	6796.59	311.18	-955.54	1004.93	0.00	0.00	0.00	1095 Feet
7700.00	90.37	288.04	6795.94	342.14	-1050.62	1104.93	0.00	0.00	0.00	
7800.00	90.37	288.04	6795.29	373.10	-1145.71	1204.93	0.00	0.00	0.00	
7900.00	90.37	288.04	6794.63	404.07	-1240.79	1304.93	0.00	0.00	0.00	
8000.00	90.37	288.04	6793.98	435.03	-1335.88	1404.93	0.00	0.00	0.00	
8100.00	90.37	288.04	6793.32	465.99	-1430.96	1504.92	0.00	0.00	0.00	
8200.00	90.37	288.04	6792.67	496.95	-1526.04	1604.92	0.00	0.00	0.00	
8300.00	90.37	288.04	6792.02	527.91	-1621.13	1704.92	0.00	0.00	0.00	
8400.00	90.37	288.04	6791.36	558.88	-1716.21	1804.92	0.00	0.00	0.00	
8500.00	90.37	288.04	6790.71	589.84	-1811.29	1904.91	0.00	0.00	0.00	
8600.00	90.37	288.04	6790.06	620.80	-1906.38	2004.91	0.00	0.00	0.00	
8700.00	90.37	288.04	6789.40	651.76	-2001.46	2104.91	0.00	0.00	0.00	
8800.00	90.37	288.04	6788.75	682.73	-2096.55	2204.91	0.00	0.00	0.00	
8900.00	90.37	288.04	6788.09	713.69	-2191.63	2304.91	0.00	0.00	0.00	
9000.00	90.37	288.04	6787.44	744.65	-2286.71	2404.90	0.00	0.00	0.00	
9100.00	90.37	288.04	6786.79	775.61	-2381.80	2504.90	0.00	0.00	0.00	
9200.00	90.37	288.04	6786.13	806.57	-2476.88	2604.90	0.00	0.00	0.00	
9300.00	90.37	288.04	6785.48	837.54	-2571.97	2704.90	0.00	0.00	0.00	
9400.00	90.37	288.04	6784.83	868.50	-2667.05	2804.90	0.00	0.00	0.00	
9500.00	90.37	288.04	6784.17	899.46	-2762.13	2904.89	0.00	0.00	0.00	
9600.00	90.37	288.04	6783.52	930.42	-2857.22	3004.89	0.00	0.00	0.00	



PathFinder

Planning Report

Company: Devon Energy
 Field: Apache - Section 13, T22-S, R30-E
 Site: Apache 13 Federal #7H
 Well: Apache 13 Federal #7H
 Wellpath: Original Hole

Date: 4/19/2005 Time: 09:04:01 Page: 4
 Co-ordinate(NE) Reference: Site: Apache 13 Federal #7H, True North
 Vertical (TVD) Reference: SITE 0.0
 Section (VS) Reference: Well (0.00N,0.00E,288.04Azi)
 Plan: Plan #2 041804

Survey

MD ft	Incl deg	Azimuth deg	TVD ft	+N-S ft	+E-W ft	VS ft	DLS deg/100ft	Bulld deg/100ft	Turn deg/100ft	Tool/Comment
9700.00	90.37	288.04	6782.87	961.38	-2952.30	3104.89	0.00	0.00	0.00	
9800.00	90.37	288.04	6782.21	992.35	-3047.38	3204.89	0.00	0.00	0.00	
9900.00	90.37	288.04	6781.56	1023.31	-3142.47	3304.88	0.00	0.00	0.00	
10000.00	90.37	288.04	6780.90	1054.27	-3237.55	3404.88	0.00	0.00	0.00	
10100.00	90.37	288.04	6780.25	1085.23	-3332.64	3504.88	0.00	0.00	0.00	
10138.32	90.37	288.04	6780.00	1097.10	-3369.07	3543.20	0.00	0.00	0.00	



Devon Energy Corporation
20 North Broadway
Oklahoma City, Oklahoma 73102-8260
Fax 405-552-8113

June 10, 2005

New Mexico Oil Conservation Division
1220 South St. Francis Drive
Santa Fe, NM 87505
Attn: Michael Stogner

RE: Apache 13 Federal #7H
Section 13-T22S-R30E
Eddy County, New Mexico

2005 JUN 23 AM 9 02

Gentlemen:

Devon Energy Production Company, L.P. ("Devon"), as Operator, intends to drill the referenced horizontal Delaware well to a total vertical depth of 6,780' with a total measured depth of 10,138'. As reflected on the attached C-102, the well has been permitted at a surface location of 330' FEL and 1,210' FSL with a permitted bottom hole location of 2,310' FSL and 1650' FWL of Section 13. The initial portion of the open hole (and potentially productive) horizontal section of the well will be located 1,095' FEL and 1,459' FSL which is an unorthodox location.

Inasmuch as the initial portion of the open hole horizontal section of the referenced well is located at an unorthodox location from that permitted by the Statewide Pool Rules, Devon respectfully requests that the Commission administratively approve this application for an unorthodox location in accordance with Division Rule 104(F) (3). This unorthodox location affects the leasehold owner in Unit letters I, J, O & P. Devon is the owner of 100% Record Title of Federal Lease NM 89051 which covers Unit letters I, J, O & P, among other lands. Therefore, no additional notification of this application should be required as this unorthodox location will affect Devon leasehold only.

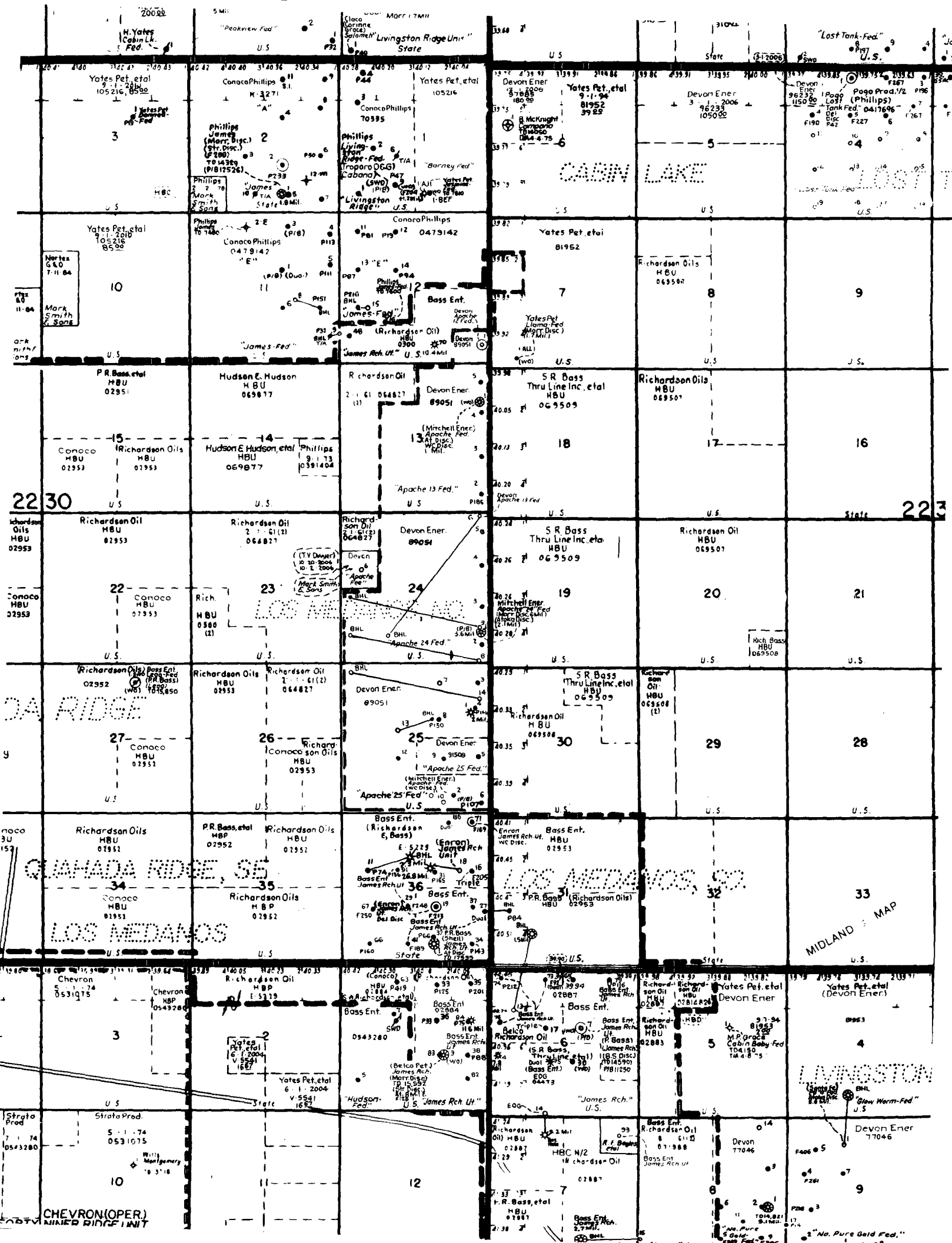
Attached for your review you will find a land plat reflecting Devon as the only affected party, a structure map covering the Lower Brushy Canyon, a State of New Mexico form C-102, and a Well Profile Planning Report prepared by Pathfinder Energy Services..

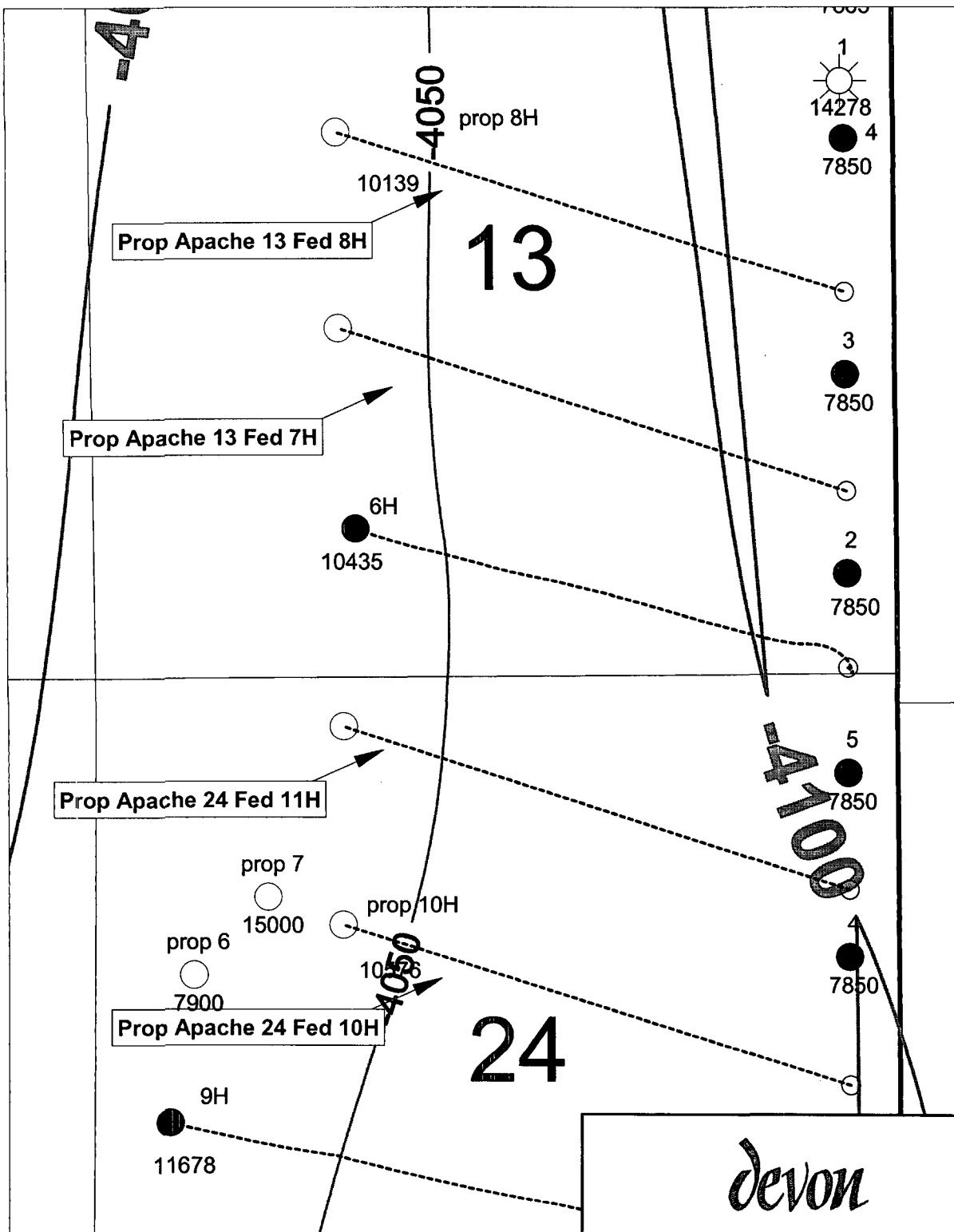
Feel free to contact the undersigned at (405) 552-4633 if there are any concerns or questions regarding this application.

Yours very truly,

DEVON ENERGY PRODUCTION COMPANY, L.P.

Ken Gray
Senior Land Advisor
KG\Apache 13-7 UL
Enclosure





devon

Todd Federal Area T23S R31E New Mexico
Top Lower Brushy Canyon structure

DISTRICT I
1625 N. French Dr., Hobbs, NM 88240

DISTRICT II
811 South First, Artesia, NM 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

DISTRICT IV
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-102
Revised March 17, 1999

Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

OIL CONSERVATION DIVISION

2040 South Pacheco
Santa Fe, New Mexico 87504-2088

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number	Pool Code	Pool Name
Property Code	Property Name APACHE "13" FEDERAL	Well Number 7
OGRID No.	Operator Name DEVON ENERGY PRODUCTION CO., L.P.	Elevation 3359'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	13	22 S	30 E		1210	SOUTH	330	EAST	EDDY

Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
K	13	22 S	30 E		2310	SOUTH	1650	WEST	EDDY
Dedicated Acres 120	Joint or Infill	Consolidation Code	Order No.						

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

1650' B.H. 3523.8' 3354.5' 3360.8' 330' 3362.6' 3367.1' 1210' Lat - N32°23'17.5" Long - W103°49'35.9"	OPERATOR CERTIFICATION I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief. Signature _____ Printed Name _____ Title _____ Date _____ SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief. FEBRUARY 14, 2005 Date Surveyed _____ Signature & Seal of _____ Professional Surveyor _____ SW. No. 5120 Certificate No. 7977 BASIN SURVEYS
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[illegible]

PathFinder

Planning Report

Company: Devon Energy
 Field: Apache - Section 13, T22-S, R30-E
 Site: Apache 13 Federal #7H
 Well: Apache 13 Federal #7H
 Wellpath: Original Hole

Date: 4/19/2005 Time: 09:04:01 Page: 2
 Co-ordinate(NE) Reference: Site: Apache 13 Federal #7H, True North
 Vertical (TVD) Reference: SITE 0.0
 Section (VS) Reference: Well (0.00N,0.00E,288.04Azi)
 Plan: Plan #2 041804

Survey

MD ft	Incl deg	Azlm deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	Tool/Comment
1600.00	0.00	0.00	1600.00	0.00	0.00	0.00	0.00	0.00	0.00	
1700.00	0.00	0.00	1700.00	0.00	0.00	0.00	0.00	0.00	0.00	
1800.00	0.00	0.00	1800.00	0.00	0.00	0.00	0.00	0.00	0.00	
1900.00	0.00	0.00	1900.00	0.00	0.00	0.00	0.00	0.00	0.00	
2000.00	0.00	0.00	2000.00	0.00	0.00	0.00	0.00	0.00	0.00	
2100.00	0.00	0.00	2100.00	0.00	0.00	0.00	0.00	0.00	0.00	
2200.00	0.00	0.00	2200.00	0.00	0.00	0.00	0.00	0.00	0.00	
2300.00	0.00	0.00	2300.00	0.00	0.00	0.00	0.00	0.00	0.00	
2400.00	0.00	0.00	2400.00	0.00	0.00	0.00	0.00	0.00	0.00	
2500.00	0.00	0.00	2500.00	0.00	0.00	0.00	0.00	0.00	0.00	
2600.00	0.00	0.00	2600.00	0.00	0.00	0.00	0.00	0.00	0.00	
2700.00	0.00	0.00	2700.00	0.00	0.00	0.00	0.00	0.00	0.00	
2800.00	0.00	0.00	2800.00	0.00	0.00	0.00	0.00	0.00	0.00	
2900.00	0.00	0.00	2900.00	0.00	0.00	0.00	0.00	0.00	0.00	
3000.00	0.00	0.00	3000.00	0.00	0.00	0.00	0.00	0.00	0.00	
3100.00	0.00	0.00	3100.00	0.00	0.00	0.00	0.00	0.00	0.00	
3200.00	0.00	0.00	3200.00	0.00	0.00	0.00	0.00	0.00	0.00	
3300.00	0.00	0.00	3300.00	0.00	0.00	0.00	0.00	0.00	0.00	
3400.00	0.00	0.00	3400.00	0.00	0.00	0.00	0.00	0.00	0.00	
3500.00	0.00	0.00	3500.00	0.00	0.00	0.00	0.00	0.00	0.00	
3600.00	0.00	0.00	3600.00	0.00	0.00	0.00	0.00	0.00	0.00	
3700.00	0.00	0.00	3700.00	0.00	0.00	0.00	0.00	0.00	0.00	
3800.00	0.00	0.00	3800.00	0.00	0.00	0.00	0.00	0.00	0.00	
3900.00	0.00	0.00	3900.00	0.00	0.00	0.00	0.00	0.00	0.00	
4000.00	0.00	0.00	4000.00	0.00	0.00	0.00	0.00	0.00	0.00	
4100.00	0.00	0.00	4100.00	0.00	0.00	0.00	0.00	0.00	0.00	
4200.00	0.00	0.00	4200.00	0.00	0.00	0.00	0.00	0.00	0.00	
4300.00	0.00	0.00	4300.00	0.00	0.00	0.00	0.00	0.00	0.00	
4400.00	0.00	0.00	4400.00	0.00	0.00	0.00	0.00	0.00	0.00	
4500.00	0.00	0.00	4500.00	0.00	0.00	0.00	0.00	0.00	0.00	
4600.00	0.00	0.00	4600.00	0.00	0.00	0.00	0.00	0.00	0.00	
4700.00	0.00	0.00	4700.00	0.00	0.00	0.00	0.00	0.00	0.00	
4800.00	0.00	0.00	4800.00	0.00	0.00	0.00	0.00	0.00	0.00	
4900.00	0.00	0.00	4900.00	0.00	0.00	0.00	0.00	0.00	0.00	
5000.00	0.00	0.00	5000.00	0.00	0.00	0.00	0.00	0.00	0.00	
5100.00	0.00	0.00	5100.00	0.00	0.00	0.00	0.00	0.00	0.00	
5200.00	0.00	0.00	5200.00	0.00	0.00	0.00	0.00	0.00	0.00	
5300.00	0.00	0.00	5300.00	0.00	0.00	0.00	0.00	0.00	0.00	
5400.00	0.00	0.00	5400.00	0.00	0.00	0.00	0.00	0.00	0.00	
5500.00	0.00	0.00	5500.00	0.00	0.00	0.00	0.00	0.00	0.00	
5600.00	0.00	0.00	5600.00	0.00	0.00	0.00	0.00	0.00	0.00	
5700.00	0.00	0.00	5700.00	0.00	0.00	0.00	0.00	0.00	0.00	
5800.00	0.00	0.00	5800.00	0.00	0.00	0.00	0.00	0.00	0.00	
5900.00	0.00	0.00	5900.00	0.00	0.00	0.00	0.00	0.00	0.00	
6000.00	0.00	0.00	6000.00	0.00	0.00	0.00	0.00	0.00	0.00	
6100.00	0.00	0.00	6100.00	0.00	0.00	0.00	0.00	0.00	0.00	
6200.00	0.00	0.00	6200.00	0.00	0.00	0.00	0.00	0.00	0.00	
6300.00	0.00	0.00	6300.00	0.00	0.00	0.00	0.00	0.00	0.00	
6322.50	0.00	0.00	6322.50	0.00	0.00	0.00	0.00	0.00	0.00	
6325.00	0.30	288.04	6325.00	0.00	-0.01	0.01	12.00	12.00	0.00	
6350.00	3.30	288.04	6349.98	0.25	-0.75	0.79	12.00	12.00	0.00	
6375.00	6.30	288.04	6374.89	0.89	-2.74	2.88	12.00	12.00	0.00	
6400.00	9.30	288.04	6399.66	1.94	-5.97	6.28	12.00	12.00	0.00	
6425.00	12.30	288.04	6424.21	3.39	-10.42	10.96	12.00	12.00	0.00	

PathFinder Planning Report

Company: Devon Energy
 Field: Apache - Section 13, T22-S, R30-E
 Site: Apache 13 Federal #7H
 Well: Apache 13 Federal #7H
 Wellpath: Original Hole

Date: 4/19/2005 Time: 09:04:01 Page: 3
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 Vertical (TVD) Reference: SITE 0.0
 Section (VS) Reference: Well (0.00N,0.00E,288.04Azi)
 Plan: Plan #2 041804

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
6450.00	15.30	288.04	6448.49	5.24	-16.09	16.92	12.00	12.00	0.00	
6475.00	18.30	288.04	6472.42	7.48	-22.96	24.15	12.00	12.00	0.00	
6500.00	21.30	288.04	6495.94	10.10	-31.01	32.61	12.00	12.00	0.00	
6525.00	24.30	288.04	6518.98	13.10	-40.22	42.30	12.00	12.00	0.00	
6550.00	27.30	288.04	6541.49	16.47	-50.56	53.18	12.00	12.00	0.00	
6575.00	30.30	288.04	6563.40	20.20	-62.01	65.22	12.00	12.00	0.00	
6600.00	33.30	288.04	6584.64	24.28	-74.54	78.39	12.00	12.00	0.00	
6625.00	36.30	288.04	6605.17	28.69	-88.10	92.66	12.00	12.00	0.00	
6650.00	39.30	288.04	6624.92	33.44	-102.67	107.98	12.00	12.00	0.00	
6675.00	42.30	288.04	6643.84	38.50	-118.20	124.31	12.00	12.00	0.00	
6700.00	45.30	288.04	6661.89	43.85	-134.65	141.61	12.00	12.00	0.00	
6725.00	48.30	288.04	6679.00	49.50	-151.97	159.83	12.00	12.00	0.00	
6750.00	51.30	288.04	6695.14	55.41	-170.13	178.92	12.00	12.00	0.00	
6775.00	54.30	288.04	6710.25	61.57	-189.06	198.83	12.00	12.00	0.00	
6800.00	57.30	288.04	6724.30	67.98	-208.71	219.51	12.00	12.00	0.00	
6825.00	60.30	288.04	6737.25	74.60	-229.04	240.89	12.00	12.00	0.00	
6850.00	63.30	288.04	6749.07	81.42	-249.99	262.92	12.00	12.00	0.00	
6875.00	66.30	288.04	6759.71	88.42	-271.50	285.53	12.00	12.00	0.00	
6900.00	69.29	288.04	6769.16	95.59	-293.50	308.68	12.00	12.00	0.00	
6925.00	72.29	288.04	6777.38	102.90	-315.95	332.28	12.00	12.00	0.00	
6950.00	75.29	288.04	6784.36	110.33	-338.77	356.29	12.00	12.00	0.00	
6975.00	78.29	288.04	6790.07	117.87	-361.91	380.62	12.00	12.00	0.00	
7000.00	81.29	288.04	6794.50	125.49	-385.30	405.22	12.00	12.00	0.00	
7025.00	84.29	288.04	6797.63	133.17	-408.88	430.02	12.00	12.00	0.00	
7050.00	87.29	288.04	6799.47	140.89	-432.59	454.95	12.00	12.00	0.00	
7072.56	90.00	288.04	6800.00	147.87	-454.03	477.50	12.00	12.00	0.00	
7085.04	90.37	288.04	6799.96	151.74	-465.90	489.99	3.00	3.00	-0.03	
7100.00	90.37	288.04	6799.86	156.37	-480.12	504.94	0.00	0.00	0.00	
7200.00	90.37	288.04	6799.21	187.33	-575.21	604.94	0.00	0.00	0.00	
7300.00	90.37	288.04	6798.55	218.29	-670.29	704.94	0.00	0.00	0.00	
7400.00	90.37	288.04	6797.90	249.26	-765.37	804.94	0.00	0.00	0.00	1st PER
7500.00	90.37	288.04	6797.25	280.22	-860.46	904.94	0.00	0.00	0.00	1459 FSL 1045 FSL
7600.00	90.37	288.04	6796.59	311.18	-955.54	1004.93	0.00	0.00	0.00	
7700.00	90.37	288.04	6795.94	342.14	-1050.62	1104.93	0.00	0.00	0.00	
7800.00	90.37	288.04	6795.29	373.10	-1145.71	1204.93	0.00	0.00	0.00	
7900.00	90.37	288.04	6794.63	404.07	-1240.79	1304.93	0.00	0.00	0.00	
8000.00	90.37	288.04	6793.98	435.03	-1335.88	1404.93	0.00	0.00	0.00	
8100.00	90.37	288.04	6793.32	465.99	-1430.96	1504.92	0.00	0.00	0.00	
8200.00	90.37	288.04	6792.67	496.95	-1526.04	1604.92	0.00	0.00	0.00	
8300.00	90.37	288.04	6792.02	527.91	-1621.13	1704.92	0.00	0.00	0.00	
8400.00	90.37	288.04	6791.36	558.88	-1716.21	1804.92	0.00	0.00	0.00	
8500.00	90.37	288.04	6790.71	589.84	-1811.29	1904.91	0.00	0.00	0.00	
8600.00	90.37	288.04	6790.06	620.80	-1906.38	2004.91	0.00	0.00	0.00	
8700.00	90.37	288.04	6789.40	651.76	-2001.46	2104.91	0.00	0.00	0.00	
8800.00	90.37	288.04	6788.75	682.73	-2096.55	2204.91	0.00	0.00	0.00	
8900.00	90.37	288.04	6788.09	713.69	-2191.63	2304.91	0.00	0.00	0.00	
9000.00	90.37	288.04	6787.44	744.65	-2286.71	2404.90	0.00	0.00	0.00	
9100.00	90.37	288.04	6786.79	775.61	-2381.80	2504.90	0.00	0.00	0.00	
9200.00	90.37	288.04	6786.13	806.57	-2476.88	2604.90	0.00	0.00	0.00	
9300.00	90.37	288.04	6785.48	837.54	-2571.97	2704.90	0.00	0.00	0.00	
9400.00	90.37	288.04	6784.83	868.50	-2667.05	2804.90	0.00	0.00	0.00	
9500.00	90.37	288.04	6784.17	899.46	-2762.13	2904.89	0.00	0.00	0.00	
9600.00	90.37	288.04	6783.52	930.42	-2857.22	3004.89	0.00	0.00	0.00	

PathFinder Planning Report

Company: Devon Energy
Field: Apache - Section 13, T22-S, R30-E
Site: Apache 13 Federal #7H
Well: Apache 13 Federal #7H
Wellpath: Original Hole

Date: 4/19/2005 **Time:** 09:04:01 **Page:** 4
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Vertical (TVD) Reference: SITE 0.0
Section (VS) Reference: Well (0.00N,0.00E,288.04Azi)
Plan: Plan #2 041804

Survey

MD ft	Incl deg	Azlm deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	Tool/Comment
9700.00	90.37	288.04	6782.87	961.38	-2952.30	3104.89	0.00	0.00	0.00	
9800.00	90.37	288.04	6782.21	992.35	-3047.38	3204.89	0.00	0.00	0.00	
9900.00	90.37	288.04	6781.56	1023.31	-3142.47	3304.88	0.00	0.00	0.00	
10000.00	90.37	288.04	6780.90	1054.27	-3237.55	3404.88	0.00	0.00	0.00	
10100.00	90.37	288.04	6780.25	1085.23	-3332.64	3504.88	0.00	0.00	0.00	
10138.32	90.37	288.04	6780.00	1097.10	-3369.07	3543.20	0.00	0.00	0.00	

Devon Energy

Apache '13' Federal #7H

Section 13, T22-S, R30-E

Eddy County, New Mexico

Plan #2 - 041805

COMPANY DETAILS
 Devon Energy
 20 N. Broadway, Ste. 1500
 Oklahoma City, OK 73102

Calculation Method: Minimum Curvature
 Error System: Systematic Ellipse
 Scale Method: Closest Approach 3D
 Error Surface: Elliptical Cone
 Warning Method: Error Data

PATHFINDER

ENERGY SERVICES

SITE DETAILS

Apache 13 Federal #7H
 Site Centre Latitude: 32°23'16.900"N
 Longitude: 103°49'34.110"W
 Ground Level: 3359.00
 Positional Uncertainty: 0.00
 Convergence: 0.27

ANNOTATIONS

No. TVD MD Amusement
 1 6322.50 ROP w/12" Build Rate
 2 7072.50 End of Build @ 90.37° Inclination
 3 6790.96 End of Build @ 90.37° Inclination

WELL DETAILS

Name	+N/S	+E/W	North	East	Latitude	Longitude	Slot
Apache 13 Federal #7H	0.00	0.00	505250.46	636561.88	32°23'16.900"N	103°49'34.110"W	N/A

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/S	+E/W	DLeg	TFace	VSec	Target
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2	6322.50	0.00	0.00	6322.50	0.00	0.00	0.00	0.00	0.00	
3	7072.50	90.00	238.04	6800.00	147.87	-454.03	12.00	288.04	477.50	
4	7072.50	90.37	238.04	6790.96	1097.10	-3369.07	0.00	-0.00	3453.20	Apache 13 Fed 7H PBHL
5	1038.32	90.37	238.04	6790.96	1097.10	-3369.07	0.00	-0.00	3453.20	

FIELD DETAILS

Apache - Section 13, T22-S, R30-E
 Eddy County, New Mexico
 Geodetic System: US State Plane Coordinate System 1977
 Ellipsoid: NAD27 (Clarke 1866)
 Zone: New Mexico, Eastern Zone
 Magnetic Model: IGR2005
 System Datum: Mean Sea Level
 Local North: True North

TARGET DETAILS

Name
 Apache 13 Fed 7H PBHL
 TVD
 6790.00
 +N/S
 1097.10
 +E/W
 -3369.07
 Point

LEGEND
 — Plan #2 041804

