

devon

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

October 15, 2002

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

OCT 21

RE: Right Hand Canyon 34-4
Section 34-T21S-R24E
Eddy County, New Mexico

Gentlemen:

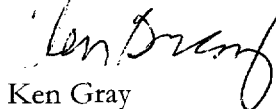
Devon SFS Operating, Inc. ("Devon"), as Operator, has drilled the referenced well to a total measured depth of 8,782'. As reflected on the attached C-102, the well was permitted at a surface location of 1,820' FSL and 1,650' FWL with a permitted bottom hole location of 1,980' FSL and 2,310' FWL. The actual footage locations as reflected on the attached survey report prepared by Scientific Drilling reflects a bottom hole location of 1,982.7' FSL and 2,291.3' FWL. The attached structure map shows that the Right Hand Canyon 34-4 represents Devon's easternmost Cisco-Canyon producer in the Indian Basin Upper Penn Associated Pool and was drilled in attempt to extend Cisco-Canyon production on Devon's Right Hand Canyon lease in a downdip direction. This well was inadvertently dedicated to a S/2 Section 34 spacing unit prior to drilling and was subsequently changed to a W/2 Section 34 spacing unit in order to conform with the existing wells in the W/2 of Section 34. However, this inadvertent dedication was not discovered until the well had been drilled.

Inasmuch as the reference well will be producing at an unorthodox location from that permitted by the Indian Basin Upper Penn Associated Pool Rules, Devon respectfully requests that the Commission administratively approve this application for an unorthodox location in accordance with Division Rule 104(F)(3). Our records reflect that Yates Petroleum Corporation is the only affected party requiring notification of this application as shown on the attached plat.

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

Yours very truly,

DEVON SFS OPERATING, INC.



Ken Gray
Senior Land Advisor
KG\RHC 34UL



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

October 15, 2002

Yates Petroleum Corporation
105 South Fourth Street
Artesia, NM 88210-2118

Re: Right Hand Canyon 34 Federal #4
Section 34-T21S-R24E
Eddy County, New Mexico
DEC #103468-004; C-02-0002320

Gentlemen:

Devon SFS Operating, Inc. ("Devon"), as Operator, has filed with the New Mexico Oil Conservation Division, an Application for Administrative Approval for an Unorthodox Well Location covering the referenced well for the reasons cited in the Application which is attached hereto.

Our records reflect that, as an interest owner in the E/2 of Section 34-T21S-R24E, you are an affected owner.

In that regard, Devon respectfully requests you waive any objection you may have to this Application by signing and returning one (1) copy of this letter to the undersigned at your earliest convenience.

Yours very truly,

DEVON SFS OPERATING, INC.

Ken Gray
Senior Land Advisor

KG:da\yates15.ltr

Agree to waive objection to Devon's Application for Administrative Approval of an Unorthodox Well Location covering the Right Hand Canyon 34 Federal #4.

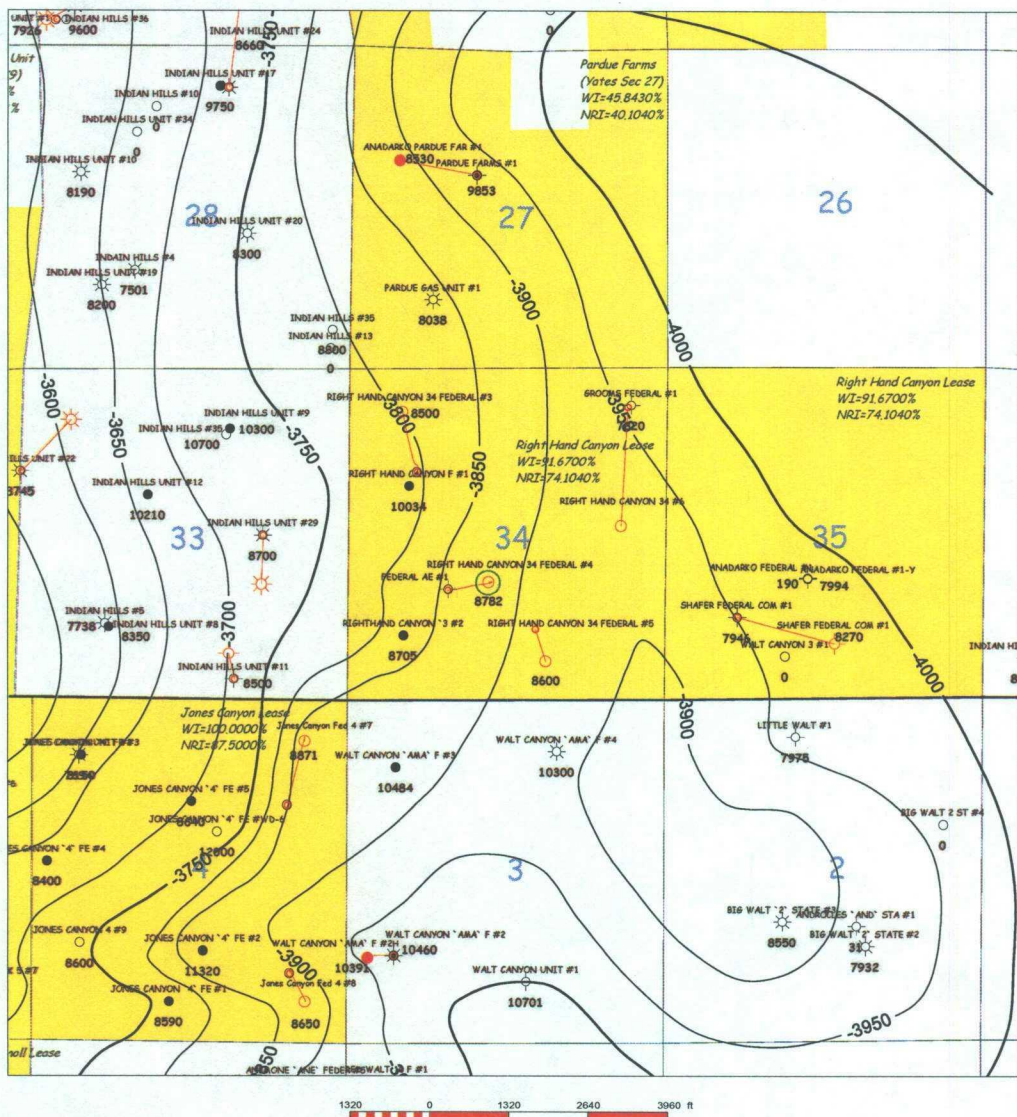
Yates Petroleum Corporation

By: _____

Date: _____

Name: _____

Title: _____



Devon
Bought from Santa Fe

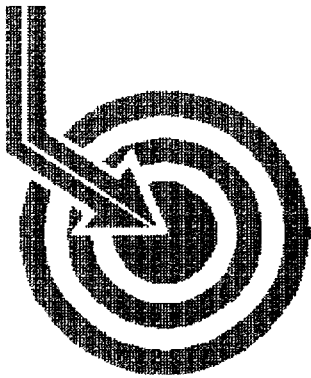
devon

**Indian Basin Area
Eddy County, NM**

**Structure:
Top of Cisco-Canyon
Dolomite**

© 1999 New Mexico Oil & Gas Conservation Commission

JEL 10/2/2002



Scientific Drilling

DEVON ENERGY

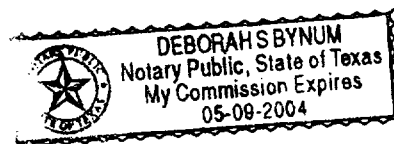
Field: Indian Basin
Site: Eddy County, NM
Well: Righthand Canyon 34 Fed. #4
Wellpath: VH - Job #32K0902316
Survey: 9/8/02

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

Scott Neady Company Representative

Notorized this date 23rd of September, 2002.

Deborah Sue Bynum
Notary Signature
County of Midland
State of Texas



Scientific Drilling International Survey Report

Company: DEVON ENERGY Field: Indian Basin Site: Eddy County, NM Well: Righthand Canyon 34 Fed. #4 Wellpath: VH - Job #32K0902316	Date: 9/23/2002 Co-ordinate(NE) Reference: Vertical (TVD) Reference: Section (VS) Reference: Survey Calculation Method:	Time: 16:26:39 Site: Eddy County, NM, True North SITE 0.0 above Mean Sea Level Well (0.0E,0.0N,76.7Azi) Minimum Curvature	Page: 1
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Survey: 9/8/02 KSRG 0'-8650'	Start Date: 9/3/2002	
Company: Scientific Drilling International Tool: Keeper	Engineer: Angel Guebara	

Survey

MD ft	Incl deg	Azim deg	TVD ft	VS ft	N/S ft	E/W ft	ClsD ft	ClsA deg	DLS deg/100ft
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.00	0.00
100.0	0.59	146.33	100.0	0.2	-0.4	0.3	0.5	146.33	0.59
200.0	0.55	148.60	200.0	0.5	-1.3	0.8	1.5	147.05	0.05
300.0	0.51	151.51	300.0	0.8	-2.1	1.3	2.4	148.17	0.05
400.0	0.80	151.39	400.0	1.1	-3.1	1.8	3.6	149.22	0.29
500.0	0.45	153.92	500.0	1.3	-4.0	2.3	4.7	149.94	0.34
600.0	0.38	134.78	600.0	1.6	-4.6	2.7	5.4	149.31	0.16
700.0	0.24	150.82	700.0	1.8	-5.0	3.1	5.9	148.55	0.16
800.0	0.13	2.55	800.0	1.9	-5.1	3.2	6.0	148.04	0.36
900.0	0.52	329.70	900.0	1.8	-4.6	3.0	5.5	147.25	0.42
1000.0	0.87	314.71	1000.0	1.3	-3.7	2.2	4.3	149.18	0.39
1100.0	1.21	320.64	1099.9	0.4	-2.3	1.0	2.6	156.97	0.35
1200.0	1.30	318.04	1199.9	-0.6	-0.7	-0.4	0.8	211.76	0.11
1300.0	2.34	311.66	1299.9	-2.3	1.5	-2.7	3.1	299.12	1.06
1400.0	2.30	305.51	1399.8	-4.8	4.0	-5.9	7.1	304.49	0.25
1500.0	1.69	304.14	1499.7	-7.1	6.0	-8.7	10.6	304.63	0.62
1600.0	1.73	309.83	1599.7	-9.0	7.8	-11.1	13.6	305.16	0.17
1700.0	1.52	308.04	1699.6	-10.7	9.6	-13.3	16.4	305.82	0.21
1800.0	1.53	305.83	1799.6	-12.4	11.2	-15.4	19.1	305.97	0.06
1900.0	1.32	311.69	1899.6	-14.0	12.7	-17.4	21.6	306.27	0.25
2000.0	1.52	309.72	1999.5	-15.4	14.4	-19.3	24.0	306.72	0.20
2100.0	1.36	311.08	2099.5	-16.9	16.0	-21.2	26.5	307.06	0.16
2200.0	1.08	317.33	2199.5	-18.1	17.5	-22.7	28.6	307.57	0.31
2300.0	1.20	312.50	2299.5	-19.1	18.9	-24.1	30.6	308.04	0.15
2400.0	1.24	309.97	2399.4	-20.4	20.3	-25.7	32.7	308.24	0.07
2500.0	1.05	313.63	2499.4	-21.5	21.6	-27.2	34.7	308.44	0.20
2600.0	1.32	313.02	2599.4	-22.6	23.0	-28.7	36.8	308.71	0.27
2700.0	1.11	309.92	2699.4	-23.9	24.4	-30.3	38.9	308.87	0.21
2800.0	1.25	307.76	2799.4	-25.1	25.7	-31.9	41.0	308.86	0.14
2900.0	0.90	310.51	2899.3	-26.3	26.9	-33.4	42.8	308.87	0.35
3000.0	0.97	326.89	2999.3	-27.0	28.1	-34.4	44.4	309.23	0.27
3100.0	0.89	311.72	3099.3	-27.8	29.3	-35.5	46.0	309.59	0.26
3200.0	0.96	301.94	3199.3	-28.8	30.3	-36.8	47.6	309.49	0.17
3300.0	0.59	329.30	3299.3	-29.5	31.2	-37.7	48.9	309.57	0.51
3400.0	0.41	324.93	3399.3	-29.8	31.9	-38.2	49.8	309.88	0.18
3500.0	0.39	306.22	3499.3	-30.2	32.4	-38.7	50.5	309.96	0.13
3600.0	0.17	327.43	3599.3	-30.5	32.7	-39.0	50.9	309.99	0.24
3700.0	0.30	230.61	3699.3	-30.7	32.7	-39.3	51.1	309.75	0.36
3800.0	0.20	194.35	3799.3	-31.1	32.4	-39.6	51.1	309.29	0.18
3900.0	0.38	216.31	3899.3	-31.4	31.9	-39.8	51.0	308.74	0.21
4000.0	0.71	80.31	3999.3	-31.0	31.8	-39.4	50.6	308.89	1.02
4100.0	6.05	78.24	4099.1	-25.1	33.0	-33.6	47.1	314.44	5.35
4200.0	6.65	77.41	4198.5	-14.1	35.3	-22.8	42.0	327.14	0.60
4300.0	7.96	76.21	4297.6	-1.4	38.2	-10.4	39.6	344.74	1.32
4400.0	8.25	75.93	4396.6	12.7	41.6	3.3	41.7	4.48	0.29
4500.0	8.36	78.16	4495.6	27.2	44.8	17.3	48.1	21.14	0.34
4600.0	8.53	82.71	4594.5	41.8	47.3	31.8	57.0	33.94	0.69
4700.0	8.65	88.03	4693.4	56.6	48.5	46.7	67.3	43.93	0.80

Scientific Drilling International

Survey Report

Company: DEVON ENERGY
 Field: Indian Basin
 Site: Eddy County, NM
 Well: Righthand Canyon 34 Fed. #4
 Wellpath: VH - Job #32K0902316

Date: 9/23/2002 Time: 16:26:39 Page: 2
 Co-ordinate(NE) Reference: Site: Eddy County, NM, True North
 Vertical (TVD) Reference: SITE 0.0 above Mean Sea Level
 Section (VS) Reference: Well (0.0E, 0.0N, 76.7Azi)
 Survey Calculation Method: Minimum Curvature

Survey

MD ft	Incl deg	Azim deg	TVD ft	VS ft	N/S ft	E/W ft	ClsD ft	ClsA deg	DLS deg/100ft
4800.0	8.64	90.02	4792.3	71.2	48.7	61.7	78.6	51.71	0.30
4900.0	8.36	87.03	4891.2	85.7	49.1	76.5	90.9	57.30	0.52
5000.0	9.81	78.85	4989.9	101.4	51.1	92.1	105.3	60.97	1.93
5100.0	10.84	78.94	5088.3	119.3	54.6	109.7	122.5	63.55	1.04
5200.0	12.08	77.09	5186.3	139.2	58.7	129.1	141.8	65.55	1.29
5300.0	13.70	77.70	5283.8	161.5	63.6	150.9	163.7	67.15	1.62
5400.0	14.38	79.38	5380.8	185.7	68.4	174.7	187.6	68.62	0.80
5500.0	15.36	78.15	5477.4	211.3	73.4	199.8	212.9	69.83	1.03
5600.0	18.43	77.67	5573.1	240.4	79.5	228.2	241.7	70.80	3.08
5700.0	19.53	76.41	5667.7	272.9	86.8	259.9	274.0	71.54	1.17
5800.0	19.29	76.78	5762.0	306.2	94.5	292.3	307.2	72.08	0.27
5900.0	19.69	77.98	5856.3	339.5	101.8	324.8	340.4	72.60	0.56
6000.0	20.24	79.99	5950.2	373.6	108.3	358.3	374.3	73.18	0.88
6100.0	19.19	80.94	6044.4	407.3	113.9	391.6	407.8	73.78	1.10
6200.0	18.49	82.33	6139.0	439.5	118.6	423.5	439.8	74.36	0.84
6300.0	16.45	82.26	6234.4	469.3	122.6	453.3	469.6	74.86	2.04
6400.0	15.75	82.62	6330.5	496.9	126.3	480.8	497.1	75.29	0.71
6500.0	14.93	84.62	6426.9	523.2	129.2	507.1	523.3	75.70	0.97
6600.0	14.36	85.37	6523.7	548.2	131.4	532.3	548.2	76.13	0.60
6700.0	13.70	84.16	6620.7	572.2	133.6	556.4	572.2	76.50	0.72
6800.0	13.07	78.90	6718.0	595.3	137.0	579.3	595.3	76.69	1.37
6900.0	13.14	78.86	6815.4	617.9	141.4	601.5	617.9	76.77	0.07
7000.0	12.42	82.70	6912.9	640.0	144.9	623.3	640.0	76.91	1.12
7100.0	11.46	79.43	7010.7	660.6	148.1	643.8	660.6	77.04	1.17
7200.0	9.88	75.89	7109.0	679.1	152.1	661.9	679.1	77.06	1.71
7300.0	7.91	68.36	7207.8	694.5	156.7	676.6	694.5	76.96	2.29
7400.0	5.49	59.60	7307.1	705.9	161.6	687.1	705.9	76.76	2.61
7500.0	3.02	48.91	7406.8	712.8	165.8	693.2	712.8	76.55	2.59
7600.0	0.85	39.02	7506.8	715.7	168.1	695.7	715.7	76.42	2.19
7700.0	0.95	278.14	7606.8	715.5	168.8	695.3	715.5	76.36	1.56
7800.0	2.55	257.90	7706.7	712.5	168.4	692.3	712.5	76.33	1.69
7900.0	3.89	266.49	7806.5	706.9	167.8	686.8	707.0	76.27	1.42
8000.0	4.86	273.69	7906.3	699.5	167.8	679.2	699.6	76.12	1.11
8100.0	5.41	269.49	8005.9	690.9	168.1	670.2	691.0	75.92	0.66
8200.0	6.09	256.55	8105.4	681.0	166.8	660.3	681.1	75.83	1.46
8300.0	3.54	253.94	8205.0	672.6	164.7	652.2	672.7	75.83	2.56
8400.0	1.42	269.38	8304.9	668.3	163.8	648.0	668.4	75.81	2.20
8500.0	1.69	260.30	8404.9	665.6	163.6	645.3	665.7	75.78	0.37
8600.0	1.49	254.86	8504.8	662.9	163.0	642.6	663.0	75.77	0.25
8650.0	1.48	259.68	8554.8	661.6	162.7	641.3	661.7	75.77	0.25

SHL @

BAL @

1820' FSL 1650' FWL

1982.7 FSL 2291.3' FWL

657' F/1/2 1/2 348.7 F/1/2 1/2



Scientific
Drilling

Field: Indian Basin
Loc: Eddy County, NM
Well: Righthand Canyon 34 Fed. #4
Wellpath: VH - Job #32K0902316
Survey: 9/8/02

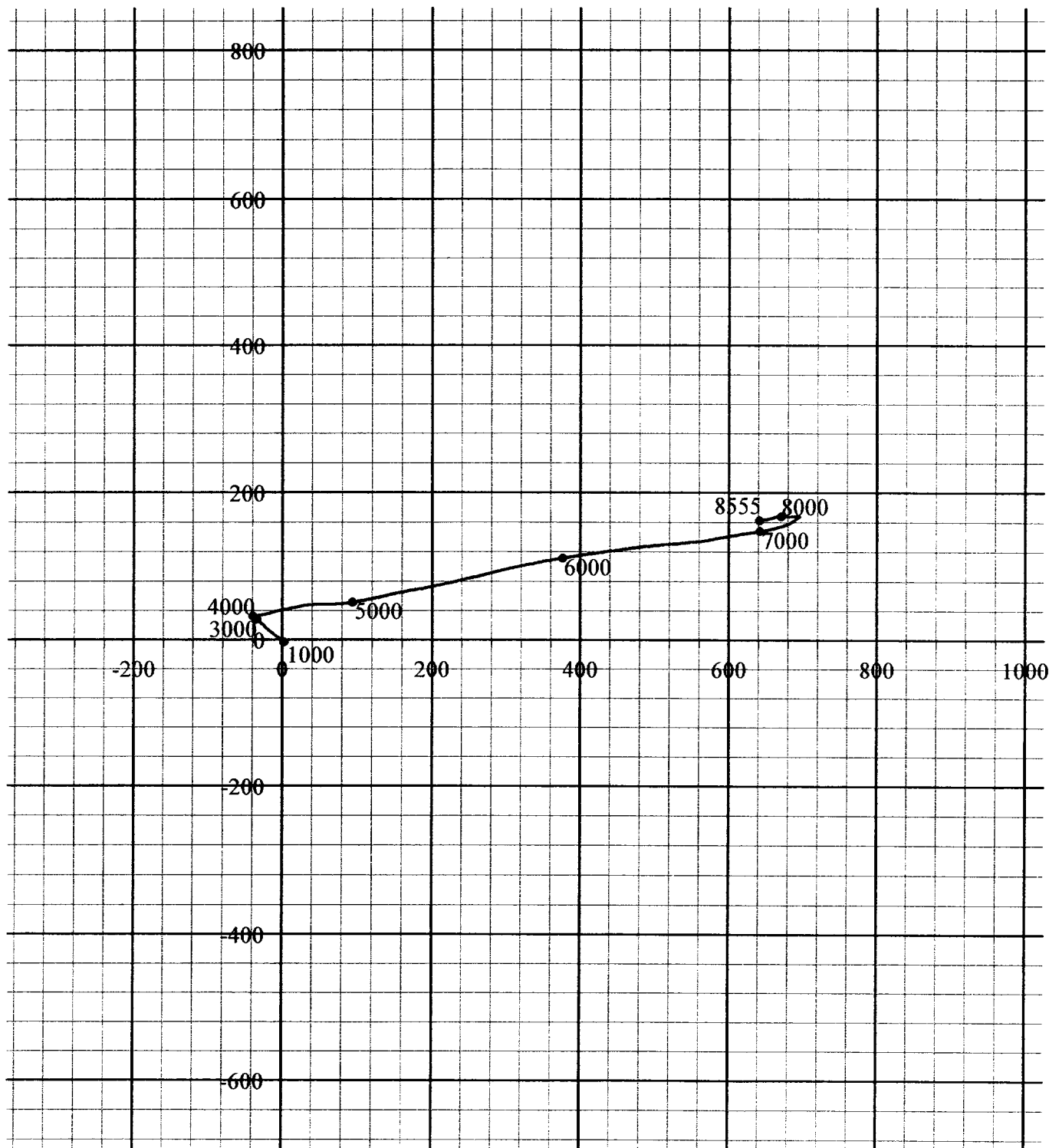
T/M



All Angles Relative
To True North

True North: 0.00
Magnetic North: 0.00

South(-)/North(+) [100ft/in]



West(-)/East(+) [100ft/in]

P.O. Box 1980, Hobbs, NM 88241-1980

Energy, Minerals and Natural Resources Department

Form C-102

Revised February 10, 1994

Submit to Appropriate District Office

State Leave - 4 Copies

Fee Leave - 3 Copies

DISTRICT II

P.O. Drawer DD, Artesia, NM 88211-0719

OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

DISTRICT III

1000 Rio Brazos Rd., Aztec, NM 87410

Change unit configuration

DISTRICT IV

P.O. BOX 2088, SANTA FE, N.M. 87504-2088

WELL LOCATION AND ACREAGE DEDICATION PLAT

☒ AMENDED REPORT

API Number 30-015-32328	Pool Code 33658	Pool Name Indian Basin (Upper Penn) Assoc.
Property Code 16773	Property Name RIGHT HAND CANYON "34" FED	Well Number 4
OGRID No. 20305	Operator Name DEVON-SFS OPERATING, INC DEVON-ENERGY-PRODUCTION-COMPANY,-L.P.-	Elevation 4011'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
K	34	21-S	24-E		1820	SOUTH	1650	WEST	EDDY

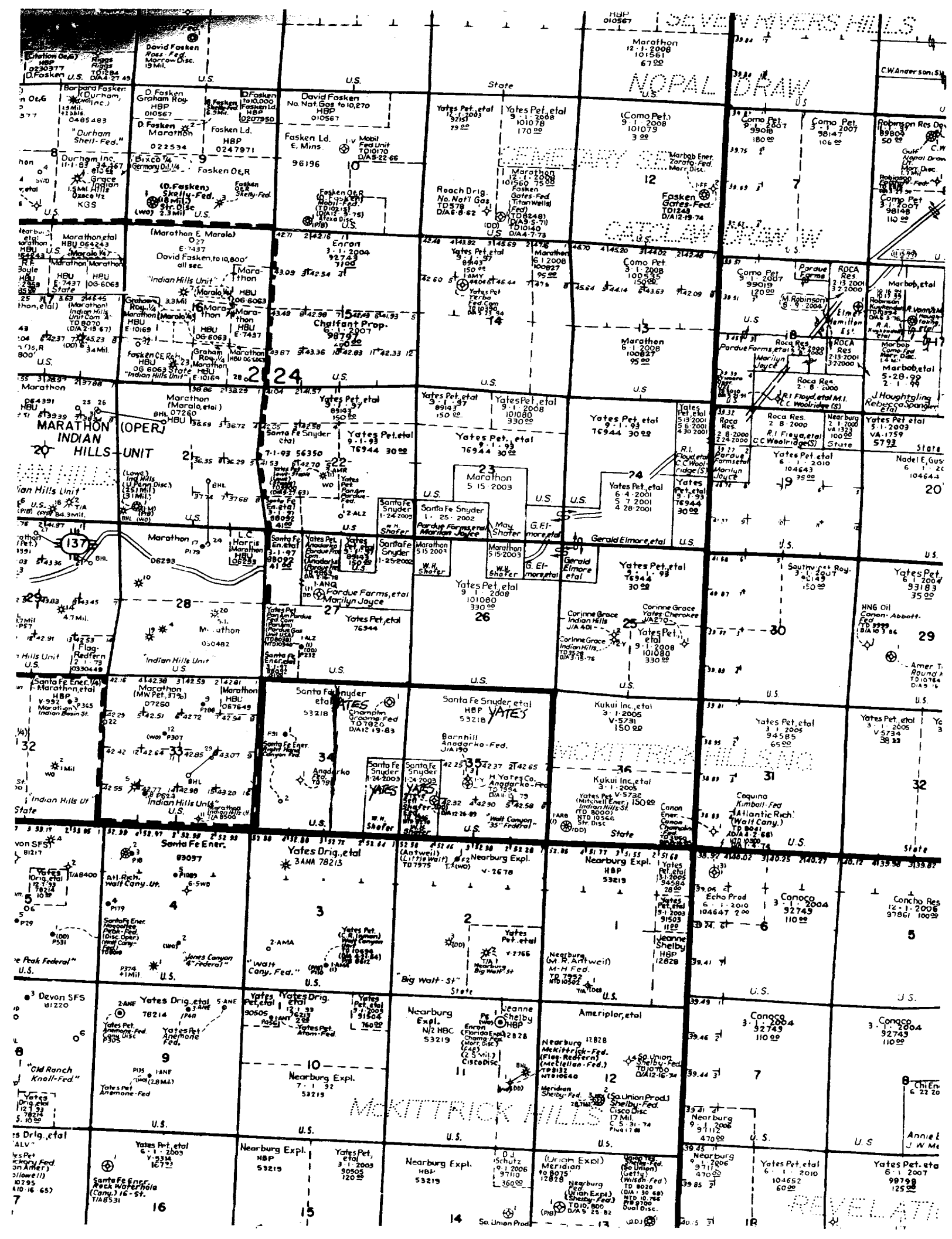
Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
K	34	21-S	24-E		1980	SOUTH	2310	WEST	EDDY

Dedicated Acres 320	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

		OPERATOR CERTIFICATION	
		I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief.	
		<u>Candace R. Graham</u>	
		Signature	
		Candace R. Graham	
Printed Name		Engr. Tech.	
Title		August 22, 2002	
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.		JANUARY 16, 2002	
Date Surveyed		AWB	
Signature & Seal of Professional Surveyor		<u>Ronald J. Eidson</u> 01/18/02 02.11.0054	
Certificate No.		RONALD J. EIDSON 3239 GARY EIDSON 12641	



CMD :
OG5SECT

ONGARD
INQUIRE LAND BY SECTION

12/02/02 09:37:22
OGOWVJ -TQEW
PAGE NO: 1

Sec : 34 Twp : 21S Rng : 24E Section Type : NORMAL

D 40.00 Federal owned	C 40.00 Federal owned	B 40.00 Federal owned	A 40.00 Federal owned
E 40.00 320 acres (Fed.) BHL: 1980 FNL/990 FWL 30-015-27046 R.H. Coy. Fed #1 8310 TD Federal owned 30-015-32146 8440 R.H. Coy. Fed #3 A A	F 40.00 Federal owned 320 acres BHL: 784 FNL/761 FWL 192/96	G 40.00 Federal owned 724-8060 192/96	H 40.00 Federal owned
L 40.00 Federal owned	K 40.00 Federal owned 30-015-20249 C A R.H. Coy. #4	J 40.00 Federal owned	I 40.00 Fee owned
M 40.00 Federal owned 7919-8272 R.H. Coy. Fed #2 A 30-015-30863 8705 TD BHL: 1076 FSL/926 FWL PF01 HELP PF02 PF07 BKWD PF08 FWD Indian Basin - Upper Penn ass. 33685 Federal	N 40.00 Federal owned 7919 4700 F.A 9800 BWPD	O 40.00 Federal owned	P 40.00 Fee owned

PF03 EXIT PF04 GoTo PF05 PF06
PF09 PRINT PF10 SDIV PF11 PF12

RH Coy. 1
2
3
4 Last one in Spec UNIT

devon

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

FAX

To: WILL JONES

From: KEN GRAY

Fax: 505-476-3462

Date: 12/2/02

Phone:

Pages: (including cover page)

Re: RHC 34-4

CC:

☐ Urgent

☒ For Review

☐ Please Comment

☐ Please Reply

☐ Please Recycle

• Comments:

WILL, PER YOUR REQUEST ATTACHED
IS PRODUCTION DATA / GOR AND CALCULATIONS
AS TO WHERE WE PENETRATED THE DOLOMITIC
SECTION. LET ME KNOW IF ADDITIONAL INFO
IS REQUIRED.

RHC 34-4

Date	Oil	Gas	Water	GOR SCF/BBL
9/11/2002	0	0	0	
9/12/2002	0	412	1337	
9/13/2002	17	428	3404	25639
9/14/2002	23	477	3071	20818
9/15/2002	26	465	2743	17995
9/16/2002	86	539	3047	6242
9/17/2002	131	602	3197	4584
9/18/2002	155	633	3170	4085
9/19/2002	179	635	3224	3549
9/20/2002	222	609	3262	2742
9/21/2002	276	821	3443	2973
9/22/2002	206	825	2936	4011
9/23/2002	259	835	3416	3219
9/24/2002	283	938	2942	3315
9/25/2002	319	990	2779	3104
9/26/2002	240	1064	2794	4436
9/27/2002	277	1154	2647	4164
9/28/2002	340	1125	2587	3311
9/29/2002	597	1200	2722	2010
9/30/2002	721	1259	2434	1746
10/1/2002	604	1181	2039	1954
10/2/2002	608	1202	2265	1976
10/3/2002	636	1273	2628	2003
10/4/2002	670	1275	2112	1902
10/5/2002	834	1268	2059	1521
10/6/2002	727	1281	2117	1761
10/7/2002	929	1340	2207	1442
10/8/2002	617	1274	2594	2065
10/9/2002	781	1315	2564	1683
10/10/2002	583	1312	2527	2251
10/11/2002	740	1356	1797	1831
10/12/2002	721	1411	1970	1958
10/13/2002	993	1065	1998	1072
10/14/2002	843	1243	1800	1475
10/15/2002	758	1273	1810	1680
10/16/2002	745	1293	1784	1736
10/17/2002	442	774	874	1751
10/18/2002	890	1257	2220	1413
10/19/2002	858	1485	1952	1731
10/20/2002	674	1340	2113	1987
10/21/2002	805	1311	2083	1628
10/22/2002	782	1285	1812	1644
10/23/2002	912	1262	1876	1384
10/24/2002	743	1143	1619	1539
10/25/2002	615	1262	1763	2053
10/26/2002	816	1276	1780	1564
10/27/2002	836	1219	1824	1458
10/28/2002	874	1241	1837	1420
10/29/2002	850	1236	2023	1454

10/30/2002	792	1215	1744	1335
10/31/2002	945	991	1984	1049
11/1/2002	901	955	2112	1061
11/2/2002	919	1276	1535	1389
11/3/2002	860	1265	2012	1470
11/4/2002	887	1304	1541	1470
11/5/2002	864	1399	1875	1620
11/6/2002	708	1284	1584	1815
11/7/2002	941	1191	2078	1266
11/8/2002	791	1335	1730	1688
11/9/2002	808	1290	1938	1597
11/10/2002	823	1298	1854	1577
11/11/2002	913	1273	1892	1394
11/12/2002	834	1263	1776	1514
11/13/2002	799	1249	1960	1562
11/14/2002	963	1402	1942	1455
11/15/2002	586	1381	1322	2357
11/16/2002	920	1284	1864	1395
11/17/2002	819	1374	1986	1677
11/18/2002	956	1285	2014	1344
11/19/2002	732	1316	1489	1799
11/20/2002	989	1222	2173	1236
11/21/2002	880	1243	2019	1414
11/22/2002	795	1384	1664	1741
11/23/2002	825	1285	1909	1558
11/24/2002	857	1366	1843	1593
11/25/2002	886	1269	2029	1432
11/26/2002	766	1201	1798	1568
11/27/2002	857	1210	1866	1412
11/28/2002	963	1352	2118	1403
11/29/2002	724	1291	1901	1784
11/30/2002	732	1311	1909	1791



Scientific Drilling

DEVON ENERGY

Field: Indian Basin
Site: Eddy County, NM
Well: Righthand Canyon 34 Fed. #4
Wellpath: VH - Job #32K0902316
Survey: 9/8/02

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

[Signature]

..... Company Representative

Notorized this date 23rd of September, 2002.

[Signature]

Notary Signature
County of Midland
State of Texas



Scientific Drilling International

Survey Report

Company:	DEVON ENERGY	Date:	9/23/2002	Time:	16:26:39	Page:	1		
Field:	Incarn Basin	Co-ordinate(NE) Reference:	Site: Eddy County, NM, True North						
Site:	Eddy County, NM	Vertical (TVD) Reference:	SITE 0.0 above Mean Sea Level						
Well:	Rightand Canyon 34 Fed. #4	Section (VS) Reference:	Well (0.0E,0.0N,76.7Azi)						
Wellpath:	V11 - Job #32K0902316	Survey Calculation Method:	Minimum Curvature						
Survey:	9/8/02	Start Date:	9/3/2002						
	KSRG 0'-8650'								
Company:	Scientific Drilling Internatio	Engineer:	Angel Guebara						
Tool:	Kuiper								
Survey									
MD ft	Inc deg	Azimuth deg	TVD ft	VS ft	N/S ft	P/W ft	Chd ft	ChA deg	DGS deg/100ft
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.00	0.00
100.0	0.59	148.33	100.0	0.2	-0.4	0.3	0.5	148.33	0.59
200.0	0.55	148.60	200.0	0.5	-1.3	0.8	1.5	147.05	0.05
300.0	0.51	151.51	300.0	0.8	-2.1	1.3	2.4	148.17	0.05
400.0	0.80	151.39	400.0	1.1	-3.1	1.8	3.6	149.22	0.29
500.0	0.45	153.92	500.0	1.3	-4.0	2.3	4.7	149.64	0.34
600.0	0.38	134.78	600.0	1.8	-4.6	2.7	5.4	149.31	0.16
700.0	0.24	150.82	700.0	1.8	-5.0	3.1	5.9	148.55	0.16
800.0	0.13	2.55	800.0	1.9	-5.1	3.2	6.0	148.04	0.36
900.0	0.52	329.70	900.0	1.8	-4.6	3.0	5.5	147.25	0.42
1000.0	0.87	314.71	1000.0	1.3	-3.7	2.2	4.3	149.18	0.39
1100.0	1.21	320.64	1099.9	0.4	-2.3	1.0	2.6	156.97	0.35
1200.0	1.30	318.04	1199.9	-0.6	-0.7	-0.4	0.8	211.76	0.11
1300.0	2.34	311.66	1299.9	-2.3	1.5	-2.7	3.1	299.12	1.06
1400.0	2.30	305.51	1399.8	-4.8	4.0	-5.9	7.1	304.49	0.25
1500.0	1.89	304.14	1499.7	-7.1	6.0	-8.7	10.6	304.63	0.62
1600.0	1.73	309.83	1599.7	-9.0	7.8	-11.1	13.6	305.18	0.17
1700.0	1.52	308.04	1699.6	-10.7	9.6	-13.3	16.4	305.82	0.21
1800.0	1.53	305.83	1799.6	-12.4	11.2	-15.4	19.1	305.97	0.06
1900.0	1.32	311.69	1899.6	-14.0	12.7	-17.4	21.6	306.27	0.25
2000.0	1.52	309.72	1999.5	-15.4	14.4	-19.3	24.0	306.72	0.20
2100.0	1.36	311.08	2099.5	-16.9	16.0	-21.2	26.5	307.06	0.16
2200.0	1.08	317.33	2199.5	-18.1	17.5	-22.7	28.6	307.57	0.31
2300.0	1.20	312.50	2299.5	-19.1	18.9	-24.1	30.6	308.04	0.15
2400.0	1.24	309.97	2399.4	-20.4	20.3	-25.7	32.7	308.24	0.07
2500.0	1.05	313.63	2499.4	-21.5	21.6	-27.2	34.7	308.44	0.20
2600.0	1.32	313.02	2599.4	-22.6	23.0	-28.7	36.8	308.71	0.27
2700.0	1.11	308.82	2699.4	-23.9	24.4	-30.3	38.9	308.87	0.21
2800.0	1.25	307.76	2799.4	-25.1	25.7	-31.9	41.0	308.86	0.14
2900.0	0.90	310.51	2899.3	-26.3	26.9	-33.4	42.8	308.87	0.35
3000.0	0.97	326.89	2999.3	-27.0	28.1	-34.4	44.4	309.23	0.27
3100.0	0.89	311.72	3099.3	-27.8	29.3	-35.5	46.0	309.59	0.26
3200.0	0.96	301.94	3199.3	-28.8	30.3	-36.8	47.6	309.49	0.17
3300.0	0.59	329.30	3299.3	-29.5	31.2	-37.7	48.9	309.57	0.51
3400.0	0.41	324.83	3399.3	-29.8	31.9	-38.2	49.8	309.68	0.18
3500.0	0.39	308.22	3499.3	-30.2	32.4	-38.7	50.5	309.96	0.13
3600.0	0.17	327.43	3599.3	-30.5	32.7	-39.0	50.9	309.99	0.24
3700.0	0.30	230.61	3699.3	-30.7	32.7	-39.3	51.1	309.75	0.36
3800.0	0.20	194.35	3799.3	-31.1	32.4	-39.6	51.1	309.29	0.18
3900.0	0.38	216.31	3899.3	-31.4	31.9	-39.8	51.0	308.74	0.21
4000.0	0.71	80.31	3999.3	-31.0	31.8	-39.4	50.6	308.89	1.02
4100.0	6.05	78.24	4099.1	-25.1	33.0	-33.6	47.1	314.44	5.35
4200.0	6.65	77.41	4198.5	-14.1	35.3	-22.8	42.0	327.14	0.60
4300.0	7.96	76.21	4297.6	-1.4	38.2	-10.4	39.6	344.74	1.32
4400.0	8.25	75.93	4396.6	12.7	41.6	3.3	41.7	4.48	0.29
4500.0	8.36	78.16	4495.6	27.2	44.8	17.3	48.1	21.14	0.34
4600.0	8.53	82.71	4594.5	41.8	47.3	31.8	57.0	33.94	0.69
4700.0	8.65	88.03	4693.4	56.6	48.5	46.7	67.3	43.93	0.80

Scientific Drilling International

Survey Report

Company: DEVON ENERGY	Date: 9/23/2002	Time: 16:26:39	Page: 2
Field: Indian Basin	Co-ordinate(N/E) Reference:	Site: Eddy County, NM. True North	
Site: Eddy County, NM	Vertical (TVD) Reference:	SITE 0.0 above Mean Sea Level	
Well: Righthand Canyon 34 Fed. #4	Section (VS) Reference:	Well (O.D.E, O.O.N, 76.7Az)	
Wellpath: VM - Job #32K0902316	Survey Calculation Method:	Minimum Curvature	

Survey

MD	Incl deg	Azim deg	TVD ft	VS ft	N/S ft	E/W ft	Ctd ft	Ctd deg	DLS deg/100ft
4800.0	8.64	90.02	4782.3	71.2	48.7	61.7	78.6	51.71	0.30
4900.0	8.36	87.03	4891.2	85.7	49.1	76.5	90.9	57.30	0.52
5000.0	9.81	78.85	4999.8	101.4	51.1	92.1	105.3	60.97	1.93
5100.0	10.84	78.94	5088.3	119.3	54.6	109.7	122.5	63.55	1.04
5200.0	12.08	77.09	5186.3	139.2	58.7	129.1	141.8	65.55	1.29
5300.0	13.70	77.70	5283.8	161.5	63.6	150.9	163.7	67.15	1.62
5400.0	14.38	79.38	5380.8	185.7	68.4	174.7	187.6	68.62	0.80
5500.0	15.36	78.15	5477.4	211.3	73.4	199.8	212.9	69.83	1.03
5600.0	18.43	77.67	5573.1	240.4	79.5	228.2	241.7	70.80	3.08
5700.0	19.53	76.41	5667.7	272.9	86.8	259.9	274.0	71.54	1.17
5800.0	19.29	76.78	5762.0	306.2	94.6	292.3	307.2	72.08	0.27
5900.0	19.69	77.98	5856.3	339.5	101.8	324.8	340.4	72.60	0.56
6000.0	20.24	79.99	5950.2	373.6	108.3	358.3	374.3	73.18	0.88
6100.0	19.19	80.94	6044.4	407.3	113.9	391.6	407.8	73.78	1.10
6200.0	18.49	82.33	6139.0	439.5	118.6	423.5	439.8	74.36	0.84
6300.0	16.45	82.28	6234.4	469.3	122.6	453.3	469.6	74.88	2.04
6400.0	15.75	82.62	6330.5	498.9	126.3	480.8	497.1	75.29	0.71
6500.0	14.93	84.62	6426.9	523.2	129.2	507.1	523.3	75.70	0.97
6600.0	14.36	85.37	6523.7	548.2	131.4	532.3	548.2	76.13	0.60
6700.0	13.70	84.16	6620.7	572.2	133.6	556.4	572.2	76.50	0.72
6800.0	13.07	78.90	6718.0	595.3	137.0	579.3	595.3	76.69	1.37
6900.0	13.14	78.86	6815.4	617.9	141.4	601.5	617.9	76.77	0.07
7000.0	12.42	82.70	6912.9	640.0	144.9	623.3	640.0	76.91	1.12
7100.0	11.46	79.43	7010.7	660.6	148.1	643.8	660.6	77.04	1.17
7200.0	9.88	75.89	7109.0	679.1	152.1	661.9	679.1	77.06	1.71
7300.0	7.91	68.36	7207.8	694.5	156.7	676.6	694.5	76.96	2.29
7400.0	5.49	59.60	7307.1	705.9	161.6	687.1	705.9	76.76	2.61
7500.0	3.02	48.91	7406.8	712.8	165.8	693.2	712.8	76.55	2.59
7600.0	0.85	39.02	7506.8	715.7	168.1	695.7	715.7	76.42	2.19
7700.0	0.95	278.14	7606.8	715.5	168.8	695.3	715.5	76.36	1.56
7800.0	2.55	257.90	7706.7	712.5	168.4	692.3	712.5	76.33	1.69
7900.0	3.89	266.49	7806.5	706.9	167.8	686.8	707.0	76.27	1.42
8000.0	4.86	273.69	7906.3	699.5	167.8	679.2	699.6	76.12	1.11
8100.0	5.41	269.49	8005.9	690.9	168.1	670.2	691.0	75.92	0.66
8200.0	6.09	258.55	8105.4	681.0	166.8	660.3	681.1	75.83	1.46
8300.0	3.54	253.94	8205.0	672.6	164.7	652.2	672.7	75.83	2.56
8400.0	1.42	269.38	8304.9	668.3	163.8	648.0	668.4	75.81	2.20
8500.0	1.69	280.30	8404.9	665.6	163.6	645.3	665.7	75.78	0.37
8600.0	1.49	254.86	8504.8	662.9	163.0	642.6	663.0	75.77	0.25
8650.0	1.48	259.68	8554.8	661.6	162.7	641.3	661.7	75.77	0.25

TD 8750

RHC 34-4 SH2 = 1820' FSL & 1650' FWL
 TOP OF DOLOMITE @ 8016' MD @ 1988' FSL & 2328' FWL
 BOTTOM OF DOLOMITE @ 8670' MD @ 1983' FSL & 2291' FWL

**Scientific
Drilling**

Field: Indian Basin

Site: Eddy County, NM

Well: Righthand Canyon 34 Fed. #4

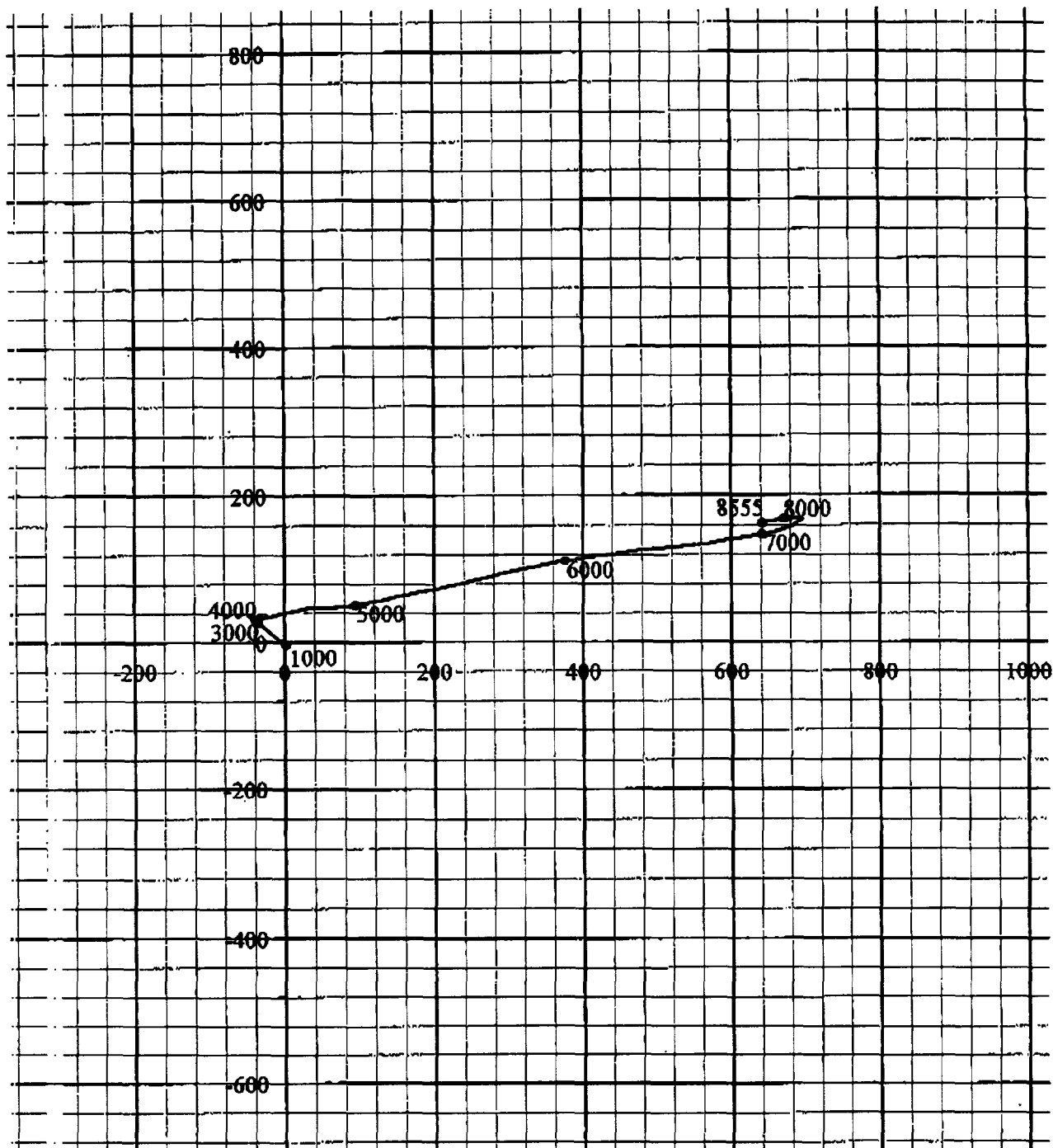
Wellpath: VH - Job #32K0902316

Survey: 9/8/02

T/M

All Angles k
To TrueTrue North: 0
Magnetic North: 0.

South(-)/North(+) [100ft/in]



West(-)/East(+) [100ft/m]

Sec : 34 Twp : 21S Rng : 24E Section Type : NORMAL

D 40.00 Federal owned	C 40.00 Federal owned	B 40.00 Federal owned	A 40.00 Federal owned
E 40.00 320 acres (Fed.) BHL: 1980 FNL/990 FNL 30-015-27046 R.H. Coy Fed #1 8310' TD Federal owned 30-015-32146 R.H. Coy Fed #2 8440'	F 40.00 Federal owned 320 acres BHL: 784 FNL/761 FNL 1128 FNL 192'/96'	G 40.00 Federal owned	H 40.00 Federal owned
L 40.00 Federal owned	K 40.00 Federal owned 30-015-20249 Cancelled 30-015-32328 R.H. Coy #4	J 40.00 Federal owned	I 40.00 Fee owned
M 40.00 Federal owned 7919'-8272' R.H. Coy Fed #2 30-015-3883 8705' TD BHL: 1076 FSL/926 FNL 9800 BWP	N 40.00 Federal owned 7919' E.A. 4700 E.A.	O 40.00 Federal owned	P 40.00 Fee owned

PF01 HELP PF02 PF03 EXIT PF04 GoTo PF05 PF06
PF07 BKWD PF08 FWD PF09 PRINT PF10 SDIV PF11 PF12

Indian Basin - Upper Penn ass.
33685
Federal

R.H. Coy
1
2
3
4
Last one in Spec Unit