



Weatherford®

Evaluation, Drilling & Intervention
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Midland, TX USA 79711
Tel. (432) 561-8892 Fax (432) 561-8895

Devon Energy
20 North Broadway
Oklahoma City, OK, 73102

Date: August 15, 2011

30-015-38536

Attention: Johnathan Ashcraft

Re: Devon Energy
Well: Cotton Draw Unit #150H
Eddy County, New Mexico

Enclosed, please find the original survey performed on the referenced well by Precision Energy Services, Inc. (P-5 No. 676004), a Weatherford company. Other information required by your office is as follows:

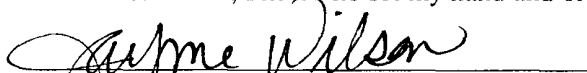
<u>Name & Title Of Surveyor</u>	<u>Well Number</u>	<u>Surveyed Depths</u>	<u>Dates Performed</u>	<u>Type of Survey</u>
Patrick Rudolph MWD Supervisor	150H	7601' MD 12490' MD	7/29/2011 8/13/2011	Measurement While Drilling

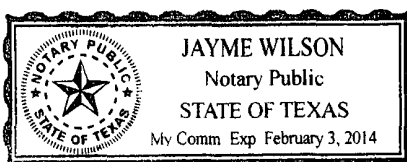
A notarized plan vs. actual is attached to the survey report. If any other information is required, please contact the undersigned at the letterhead address and phone number.


Jesse Aguilar
Area Manager

On this, the 18th day of August, 2011, before me a notary public, the undersigned officer, personally appeared Jesse Aguilar, known to me (or satisfactorily proven) to be the person whose name is subscribed to the within instrument, and acknowledged that he executed the same for the purposes therein contained.

In witness hereof, I hereunto set my hand and official seal.


Notary Public

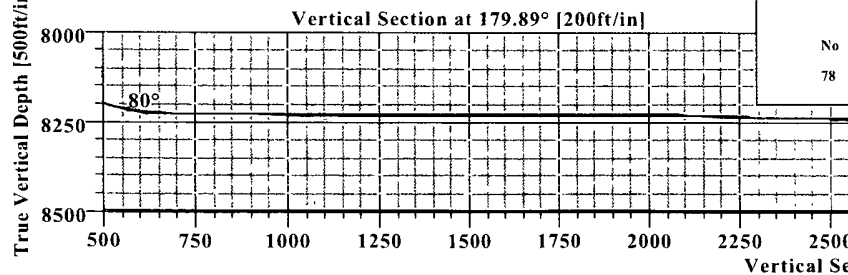
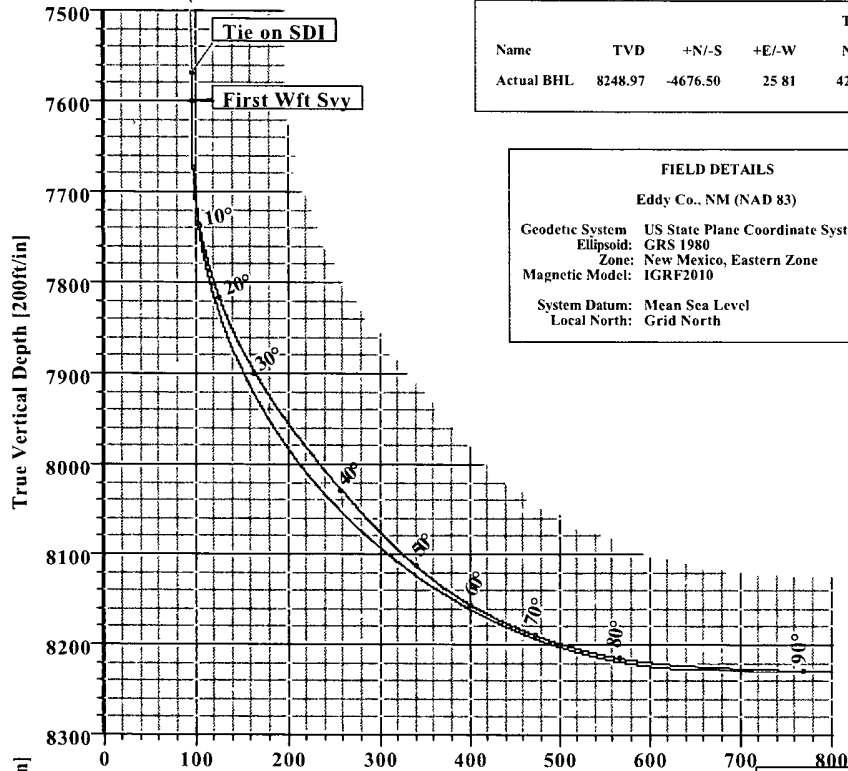


devon

Cotton Draw #150H
Eddy Co., New Mexico

RECEIVED
JUL 27 2011
NMOCD ARTESIA

KB ELEV: 3520
GL ELEV: 3495



SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	7570.00	0.99	205.53	7568.40	-96.03	35.85	0.00	0.00	96.09	
2	7665.63	0.99	205.53	7664.01	-97.52	35.14	0.00	0.00	97.58	
3	8554.25	89.76	180.28	8228.00	-667.95	28.21	10.00	-25.26	668.00	
4	12563.14	89.76	180.28	8245.00	-4676.76	8.62	0.00	0.00	4676.77	Pbhl

WELL DETAILS

Name	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
#150H	0.00	0.00	429761.31	718944.57	32°10'48.672N	103°45'33.367W	N/A

TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Shape
Actual BHL	8248.97	-4676.50	25.81	425084.81	718970.38	32°10'02.393N	103°45'33.357W	Point

FIELD DETAILS

Eddy Co., NM (NAD 83)

Geodetic System: US State Plane Coordinate System 1983
Ellipsoid: GRS 1980
Zone: New Mexico, Eastern Zone
Magnetic Model: IGRF2010
System Datum: Mean Sea Level
Local North: Grid North

SITE DETAILS

Cotton Draw Unit #150H

Site Centre Northing: 429761.31
Easting: 718944.57
Ground Level: 3495.00
Positional Uncertainty: 0.00
Convergence: 0.31



Azimuths to Grid North
True North: -0.31°
Magnetic North: 7.35°

Magnetic Field
Strength: 48586nT
Dip Angle: 60.11°
Date: 7/15/2011
Model IGRF2010

Total Correction to Grid North: 7.35°

LEGEND

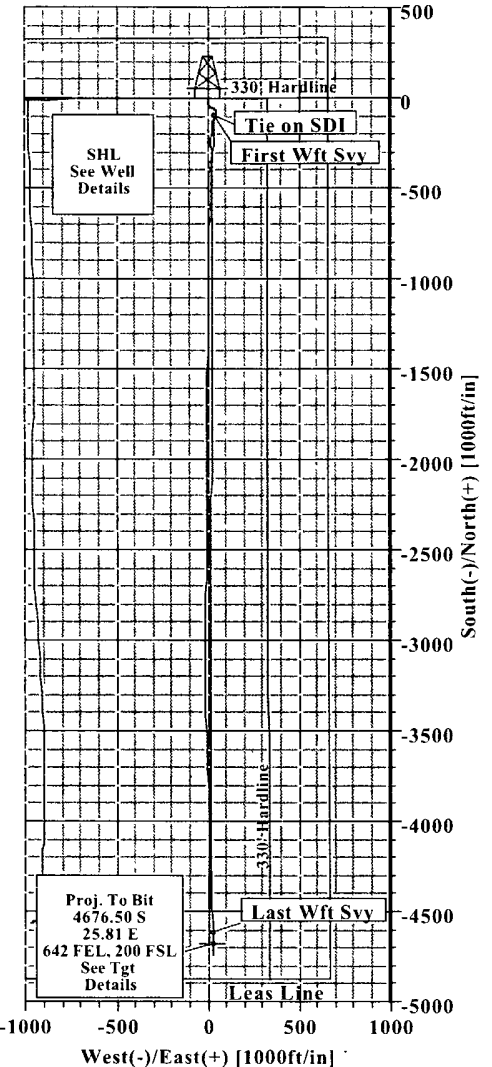
- #150H.1 Gyro Svy
- #150H.1 Plan #3
- Cotton Draw Unit #115H (1)
- Wft Svy



Weatherford

Survey: Wft Svy (#150H/1)

No	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec
78	12554.00	90.10	178.39	8248.97	-4676.50	25.81	0.00	180.00	4676.54



Survey: Wft Svy (#150H/1)

Created By: Russell W. Joyner

Date: 8/12/2011



Weatherford International Ltd.

WFT Survey Report X & Y's

**Weatherford**

Company: Devon Energy	Date: 8/18/2011	Time: 10:27:43	Page: 1
Field: Eddy Co., NM (NAD 83)	Co-ordinate(NE) Reference: Well: #150H, Grid North		
Site: Cotton Draw Unit #150H	Vertical (TVD) Reference: SITE 3520.0		
Well: #150H	Section (VS) Reference: Well (0.00N,0.00E,179.89Azi)		
Wellpath: 1	Survey Calculation Method: Minimum Curvature	Db: Sybase	

Survey: Wft Svy	Start Date: 8/1/2011
Company: Weatherford International Ltd	Engineer: Russell W. Joyner
Tool: MWD;MWD - Standard	Tied-to: User Defined

Field: Eddy Co., NM (NAD 83)

Map System: US State Plane Coordinate System 1983	Map Zone: New Mexico, Eastern Zone
Geo Datum: GRS 1980	Coordinate System: Well Centre
Sys Datum: Mean Sea Level	Geomagnetic Model: IGRF2010

Site: Cotton Draw Unit #150H

Site Position:	Northing: 429761 31 ft	Latitude: 32 10 48.672 N
From: Map	Easting: 718944 57 ft	Longitude: 103 45 33.367 W
Position Uncertainty: 0.00 ft		North Reference: Grid
Ground Level: 3495 00 ft		Grid Convergence: 0 31 deg

Well: #150H	Slot Name:	
Well Position: +N/-S 0 00 ft	Northing: 429761 31 ft	Latitude: 32 10 48 672 N
+E/-W 0 00 ft	Easting : 718944 57 ft	Longitude: 103 45 33 367 W
Position Uncertainty: 0.00 ft		

Wellpath: 1	Drilled From: Surface		
Current Datum: SITE	Tie-on Depth: 0 00 ft		
Magnetic Data: 7/15/2011	Above System Datum: Mean Sea Level		
Field Strength: 48586 nT	Declination: 7 66 deg		
Vertical Section: Depth From (TVD)	Mag Dip Angle: 60 11 deg		
ft	+N/-S	+E/-W	Direction
	ft	ft	deg
0 00	0 00	0 00	179.89

Survey

MD ft	Incl deg	Azim deg	TVD ft	N/S ft	E/W ft	DLS deg/100ft	VS ft	MapN ft	MapE ft	Comment
7570 00	0 99	205 53	7568 40	-96 10	35 88	0 00	96.17	429665 21	718980 45	Tie on SDI First Wft Svy
7601 00	0 84	194.56	7599 39	-96 56	35 71	0 74	96 63	429664 75	718980 28	
7633 00	0 73	195 71	7631 39	-96 98	35 59	0 35	97 05	429664.33	718980 16	
7665 00	1.62	188.43	7663 38	-97.63	35 47	2 81	97.69	429663 68	718980 04	
7697 00	4.94	190 24	7695 33	-99 43	35 16	10.38	99 50	429661 88	718979 73	
7729 00	8 83	191 84	7727 09	-103.19	34 41	12.17	103.26	429658.12	718978.98	
7761 00	12 69	190 49	7758 52	-109 06	33 27	12 09	109 12	429652.25	718977.84	
7792 00	16.63	188 49	7788.51	-116 79	31 99	12 81	116 85	429644.52	718976.56	
7824 00	20 20	187 65	7818.86	-126 80	30 58	11 19	126 86	429634 51	718975.15	
7856.00	23 96	187 34	7848 51	-138 73	29 01	11 76	138 78	429622.58	718973.58	
7888.00	27 50	186 89	7877 33	-152 51	27.30	11.08	152.56	429608 80	718971 87	
7919.00	30.58	186 02	7904 43	-167 46	25 61	10.03	167.51	429593 85	718970 18	
7951.00	33 54	186.54	7931 55	-184 34	23 75	9.29	184.39	429576 97	718968 32	
7983.00	35 90	185 50	7957 85	-202.47	21 84	7.60	202.51	429558 84	718966.41	
8015 00	37.94	183.04	7983 43	-221 63	20 42	7.87	221 67	429539.68	718964 99	
8047.00	39.47	179 26	8008 41	-241 63	20 03	8 80	241 67	429519.68	718964 60	
8078 00	40 10	178 14	8032.23	-261.46	20 48	3.08	261 50	429499 85	718965 05	
8110.00	41 75	178.83	8056 41	-282 41	21.04	5.35	282.45	429478 90	718965 61	
8142.00	44 77	180 33	8079.71	-304 34	21 19	9 97	304 38	429456 97	718965 76	
8174 00	48 13	181 06	8101 75	-327 53	20 90	10 63	327 57	429433.78	718965.47	
8206 00	51.54	181.44	8122 39	-351.97	20 37	10.69	352 01	429409.34	718964.94	
8238 00	55 97	181 91	8141 31	-377.76	19.61	13.89	377.80	429383 55	718964 18	
8269 00	60.57	181 97	8157 61	-404.11	18.72	14.84	404.14	429357.20	718963 29	
8301 00	64 72	181 87	8172.31	-432.51	17 77	12.97	432 54	429328.80	718962.34	



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WFT Survey Report X & Y's

**Weatherford**

Company: Devon Energy
Field: Eddy Co., NM (NAD 83)
Site: Cotton Draw Unit #150H
Well: #150H
Wellpath: 1

Date: 8/18/2011
Co-ordinate(NE) Reference: Well. #150H, Grid North
Vertical (TVD) Reference: SITE 3520 0
Section (VS) Reference: Well (0.00N,0.00E,179.89Azi)
Survey Calculation Method: Minimum Curvature
Dh: Sybase

Page: 2**Survey**

MD ft	Incl deg	Azim deg	TVD ft	N/S ft	E/W ft	DLS deg/100ft	VS ft	MapN ft	MapE ft	Comment
8333 00	68 71	181 64	8184 95	-461 88	16 87	12.49	461 91	429299 43	718961.44	
8365.00	71 90	181 85	8195 74	-491 99	15 95	9 99	492 02	429269 32	718960 52	
8397 00	75 11	181 93	8204 82	-522 65	14 94	10.03	522 68	429238 66	718959 51	
8428 00	78 40	181 99	8211 92	-552 81	13 90	10.61	552 83	429208 50	718958.47	
8460 00	81.89	182 27	8217 40	-584 31	12 73	10.94	584 33	429177 00	718957 30	
8492 00	84 57	181 63	8221 17	-616 06	11 65	8 61	616.08	429145 25	718956 22	
8525 00	86 53	180 93	8223 73	-648 95	10.92	6 30	648 97	429112 36	718955.49	
8557 00	87.10	180 86	8225.51	-680 90	10 42	1.79	680 92	429080 41	718954.99	
8589.00	87 51	180.83	8227.01	-712 86	9.95	1 28	712 88	429048 45	718954 52	
8621 00	88 43	180 69	8228 15	-744.84	9 52	2 91	744 85	429016 47	718954 09	
8652 00	90.32	180 20	8228 49	-775 83	9 28	6 30	775 85	428985.48	718953 85	
8684 00	91 02	180 08	8228 11	-807 83	9 20	2 22	807 85	428953 48	718953 77	
8716 00	90 94	180 08	8227.56	-839 83	9.16	0 25	839 84	428921.48	718953 73	
8811.00	90 74	180 59	8226 17	-934 81	8.60	0 58	934 83	428826.50	718953 17	
8906 00	90 24	181.12	8225.36	-1029 80	7.19	0 77	1029.81	428731 51	718951 76	
9001 00	90 17	180 93	8225 02	-1124 78	5.49	0 21	1124 79	428636.53	718950 06	
9097 00	89.62	180 27	8225.19	-1220 78	4.48	0.89	1220 78	428540.53	718949 05	
9192.00	89 62	180 82	8225.82	-1315 77	3 58	0 58	1315.77	428445 54	718948 15	
9287 00	89.69	181 14	8226 40	-1410 75	1.95	0 34	1410 76	428350.56	718946 52	
9382 00	90 03	182 13	8226.63	-1505 71	-0.76	1 10	1505 71	428255 60	718943.81	
9478 00	89 90	182 68	8226 69	-1601 63	-4.79	0 59	1601 62	428159.68	718939 78	
9573.00	89 48	181 40	8227.20	-1696 57	-8 17	1 42	1696 55	428064 74	718936 40	
9669 00	90 52	180 30	8227 20	-1792 55	-9.59	1 58	1792 53	427968 76	718934 98	
9765 00	90 04	179 53	8226 73	-1888 55	-9.45	0 95	1888 53	427872.76	718935 12	
9861 00	89 13	179 59	8227 43	-1984 54	-8.71	0 95	1984 52	427776 77	718935.86	
9957 00	88 85	179 57	8229 12	-2080 53	-8 01	0 29	2080 51	427680 78	718936 56	
10052 00	88 57	179.60	8231.26	-2175 50	-7.32	0 30	2175 48	427585 81	718937 25	
10148.00	87 94	179 79	8234 18	-2271 45	-6 81	0 69	2271.44	427489 86	718937.76	
10244.00	88.50	179 37	8237 16	-2367 40	-6.11	0 73	2367 39	427393 91	718938 46	
10340 00	89 13	180 72	8239 15	-2463 38	-6 18	1 55	2463 36	427297 93	718938 39	
10436 00	89 27	181 39	8240 49	-2559.35	-7 95	0 71	2559 33	427201 96	718936.62	
10532 00	89.41	181 05	8241 60	-2655 33	-9.99	0 38	2655 30	427105 98	718934 58	
10627 00	90 45	180 78	8241 71	-2750 31	-11 51	1 13	2750 29	427011 00	718933.06	
10721 00	90 24	180 75	8241.15	-2844 30	-12.77	0.23	2844 27	426917 01	718931.80	
10817 00	90 31	180 55	8240 68	-2940 29	-13.85	0.22	2940 26	426821.02	718930 72	
10913 00	90 03	180 36	8240 40	-3036 29	-14.62	0.35	3036 26	426725 02	718929 95	
11009 00	89 89	180.18	8240 47	-3132 29	-15 07	0.24	3132 26	426629 02	718929 50	
11105 00	91 16	179.14	8239.59	-3228 28	-14.50	1 71	3228 25	426533 03	718930 07	
11200 00	90 60	178.77	8238.13	-3323 25	-12.77	0.71	3323 22	426438.06	718931 80	
11296 00	90 73	178 93	8237.01	-3419 23	-10 84	0.21	3419 20	426342 08	718933 73	
11392 00	89 90	178.53	8236.49	-3515 20	-8 71	0.96	3515 18	426246 11	718935.86	
11488.00	90 39	178 14	8236.24	-3611.16	-5 92	0.65	3611 14	426150 15	718938 65	
11584 00	90 66	178 38	8235 36	-3707 11	-3.01	0 38	3707 10	426054 20	718941.56	
11679 00	88 36	177 60	8236 18	-3802 04	0 32	2.56	3802.04	425959 27	718944 89	
11775 00	88 64	178.47	8238.69	-3897 95	3 61	0 95	3897.95	425863 36	718948 18	
11871 00	89.55	180 09	8240.21	-3993 93	4 82	1.94	3993 93	425767 38	718949 39	
11967.00	88 42	177.80	8241 91	-4089 89	6.59	2 66	4089 89	425671 42	718951 16	
12063 00	88.77	177 77	8244 26	-4185 79	10 30	0.37	4185 80	425575.52	718954 87	
12159 00	89 06	177 83	8246 08	-4281.70	13 98	0.31	4281 72	425479 61	718958 55	
12253 00	89 34	178 23	8247.39	-4375 63	17 21	0 52	4375.66	425385 68	718961 78	
12348 00	89 41	178 37	8248 43	-4470 59	20 03	0 16	4470 62	425290.72	718964 60	
12443.00	89.83	178 41	8249.06	-4565.55	22.70	0 44	4565 58	425195.76	718967.27	



Weatherford International Ltd.

WFT Survey Report X & Y's



Weatherford

Company: Devon Energy	Date: 8/18/2011	Time: 10:27:43	Page: 3
Field: Eddy Co , NM (NAD 83)	Co-ordinate(NE) Reference: Well. #150H, Grid North		
Site: Cotton Draw Unit #150H	Vertical (TVD) Reference: SITE 3520.0		
Well: #150H	Section (VS) Reference: Well (0 00N,0.00E,179.89Azi)		
Wellpath: 1	Survey Calculation Method: Minimum Curvature	Db: Sybase	

Survey

MD ft	Incl deg	Azim deg	TVD ft	N/S ft	E/W ft	DLS deg/100ft	VS ft	MapN ft	MapE ft	Comment
12490.00	90.10	178.39	8249.09	-4612.53	24.01	0.58	4612.57	425148.78	718968.58	Last Wft Svy
12554.00	90.10	178.39	8248.97	-4676.50	25.81	0.00	4676.54	425084.81	718970.38	Proj To Bit

Annotation

MD ft	TVD ft	
7570.00	7568.40	Tie on SDI
7601.00	7599.39	First Wft Svy
12490.00	8249.09	Last Wft Svy
12554.00	8248.97	Proj To Bit

30-015-38536

DEVON ENERGY

Poker Lake
Eddy County, NM
Cotton Draw Unit #150H
VH - Job #32K0711720

Survey: Actual

SDI Standard Survey Report

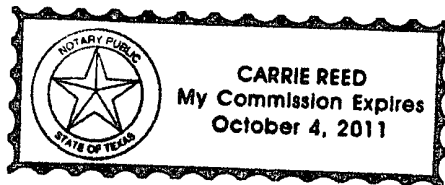
This survey is correct to the best of my knowledge and is supported by actual field data.

[Signature]

Notarized this date 21st of September, 2011.

[Signature]

Notary Signature
County of Midland
State of Texas



Scientific Drilling International, Inc.
SDI Standard Survey Report



Company:	DEVON ENERGY	Local Co-ordinate Reference:	Well Cotton Draw Unit #150H
Project:	Poker Lake	TVD Reference:	WELL @ 0 0usft (Original Well Elev)
Site:	Eddy County, NM	MD Reference:	WELL @ 0 0usft (Original Well Elev)
Well:	Cotton Draw Unit #150H	North Reference:	Grid
Wellbore:	VH - Job #32K0711720	Survey Calculation/Method:	Minimum Curvature
Design:	VH - Job #32K0711720	Database:	EDM-Regulatory

Project:	Poker Lake		
Map System:	US State Plane 1927 (Exact solution)	System Datum:	Mean Sea Level
Geo Datum:	NAD 1927 (NADCON CONUS)		
Map Zone:	New Mexico East 3001		

Site:	Eddy County, NM
Site Position:	Northing: 435,162 19 usft Latitude: 32° 11' 42 000 N
From: Lat/Long	Easting: 682,613 26 usft Longitude: 103° 44' 34 800 W
Position Uncertainty: 0 0 usft	Slot Radius: 0" Grid Convergence: 0 31 °

Well:	Cotton Draw Unit #150H, Directional (Weatherford)
Well Position	+N/-S 0 0 usft Northing: 424,869 83 usft Latitude: 32° 10' 0 380 N
	+E/-W 0 0 usft Easting: 678,279 01 usft Longitude: 103° 45' 25 880 W
Position Uncertainty	0 0 usft Wellhead Elevation: usft Ground Level: 0 0 usft

Wellbore:	VH - Job #32K0711720
Magnetics	Model Name Sample Date Declination Dip Angle Field Strength
	IGRF2010 7/29/2011 7 65 60 10 48,575

Design:	VH - Job #32K0711720
Audit Notes:	
Version: 1 0	Phase: ACTUAL Tie On Depth: 0 0
Vertical Section:	Depth From (TVD) +N/-S +E/-W Direction
	(usft) (usft) (usft) (°)
	0 0 0 0 179 89

Survey Program	Date: 9/21/2011
From To	Survey (Wellbore) Tool Name Description
(usft) (usft)	
100 0 7,570 0	Actual (VH - Job #32K0711720) Keeper Keeper Gyro

Survey	
Measured Depth Inclination Azimuth True Vertical North/South East/West Closure Azimuth Closure Distance	
(usft) (°) (°) Depth: (usft) (usft) (usft) (°) (usft)	
0 0 0 0 0 0 0 0	
100 0 0 50 96 46 100 0 0 0 4 96 46 0 4	
200 0 0 55 102 89 200 0 -0 2 1 3 98 74 1 4	
300 0 0 72 116 95 300 0 -0 6 2 4 104 18 2 4	
400 0 0 76 120 57 400 0 -1 2 3 5 109 23 3 7	
500 0 0 87 128 60 500 0 -2 0 4 7 113 55 5 1	
600 0 0 85 139 32 600 0 -3 1 5 7 118 13 6 5	
700 0 0 82 141 39 699 9 -4 2 6 7 122 14 7 9	
800 0 0 93 161 46 799 9 -5 5 7 4 126 82 9 2	
900 0 0 99 171 72 899 9 -7 1 7 8 132 65 10 5	
1,000 0 1 02 176 09 999 9 -8 9 7 9 138 22 11 9	
1,100 0 0 77 185 31 1,099 9 -10 4 7 9 142 76 13 1	

Scientific Drilling International, Inc.
SDI Standard Survey Report



Company:	DEVON ENERGY	Local Co-ordinate Reference:	Well Cotton Draw Unit #150H
Project:	Poker Lake	TVD Reference:	WELL @ 0 0usft (Original Well Elev)
Site:	Eddy County, NM	MD Reference:	WELL @ 0 0usft (Original Well Elev)
Well:	Cotton Draw Unit #150H	North Reference:	Grid
Wellbore:	VH - Job #32K0711720	Survey Calculation Method:	Minimum Curvature
Design:	VH - Job #32K0711720	Database:	EDM-Regulatory

Survey							
Measured Depth (usft)	Inclination (°)	Azimuth (°)	True Vertical Depth	North/South (usft)	East/West (usft)	Closure Azimuth (°)	Closure Distance (usft)
1,200 0	0 65	196.89	1,199 9	-11 7	7 7	146 51	14 0
1,300 0	0 38	211 55	1,299 9	-12 5	7 4	149 43	14 5
1,400 0	0 17	226.10	1,399.9	-12 9	7 1	151 14	14 7
1,500 0	0 21	269 75	1,499 9	-13 0	6 8	152 33	14 6
1,600 0	0 36	6 92	1,599.9	-12 7	6 7	152 26	14 3
1,700 0	0 37	19.69	1,699 9	-12 0	6 8	150 54	13 8
1,800 0	0 42	12 58	1,799 9	-11 4	7 0	148 44	13 4
1,900 0	0 36	14.24	1,899 9	-10 7	7 1	146 30	12.9
2,000 0	0 22	36 56	1,999 9	-10 3	7 3	144 42	12 6
2,100 0	0 11	103 65	2,099 9	-10 1	7 5	143 30	12 6
2,200 0	0 19	151 69	2,199 9	-10 3	7 7	143 14	12 9
2,300 0	0 38	177 43	2,299 9	-10 8	7 8	144 05	13 3
2,400 0	0 51	181 77	2,399 9	-11 5	7 8	145 92	13 9
2,500 0	0 94	178 75	2,499 9	-12 8	7 8	148 61	15 0
2,600 0	1 32	184.26	2,599 8	-14 8	7 7	152 33	16 7
2,700 0	1 52	189 54	2,699 8	-17 2	7 4	156 64	18 8
2,800 0	1 62	193 91	2,799 8	-19 9	6 9	160 93	21 1
2,900 0	1 66	196 99	2,899 7	-22 7	6 1	164 89	23 5
3,000 0	2 08	197 10	2,999 7	-25 8	5 2	168 68	26 3
3,100 0	2 09	192 14	3,099 6	-29 3	4 2	171 76	29 6
3,200 0	1 64	161 33	3,199 6	-32 5	4 3	172 41	32 7
3,300 0	1 15	153 52	3,299 5	-34 7	5 2	171 43	35 1
3,400 0	0 80	162 97	3,399 5	-36 3	5 9	170 79	36 7
3,500 0	0 55	184 95	3,499 5	-37 4	6 0	170 83	37 9
3,600 0	0 47	202 81	3,599 5	-38 3	5 8	171 32	38 7
3,700 0	1 02	118 74	3,699 5	-39 1	6 5	170 61	39 6
3,800 0	1 67	120 52	3,799 5	-40 2	8 5	168 08	41 1
3,900 0	1 88	122 17	3,899 4	-41 9	11 1	165 09	43 3
4,000 0	2 49	129 47	3,999 3	-44 1	14 2	162 15	46 3
4,100 0	3 05	131 33	4,099 2	-47 3	17 9	159 27	50 5
4,200 0	2 78	124 25	4,199.1	-50 4	21 9	156 52	54 9
4,300 0	2 24	123 70	4,299.0	-52 8	25 5	154 22	58 7
4,400 0	2 10	123 02	4,398 9	-54 9	28 7	152 42	61 9
4,500 0	2 02	123 08	4,498 9	-56 9	31 7	150 87	65 1
4,600 0	1 86	131 79	4,598 8	-58 9	34 4	149 73	68 2
4,700 0	1 66	130 94	4,698 8	-60 9	36 7	148 95	71 1
4,800 0	1 52	134 31	4,798 7	-62 8	38 7	148 35	73 8
4,900 0	1 28	136 88	4,898 7	-64 6	40 4	147 94	76 2
5,000 0	1 27	141 55	4,998 7	-66 2	41 9	147 69	78 4
5,100 0	1 18	149 40	5,098 7	-68 0	43 1	147 63	80 5
5,200 0	1 14	158 38	5,198 6	-69 8	44 0	147 78	82 5
5,300 0	0 91	169 74	5,298 6	-71 5	44 5	148 11	84 2
5,400 0	0 62	172 52	5,398.6	-72.8	44 7	148 45	85.5
5,500 0	0 56	181 99	5,498 6	-73 9	44 8	148 78	86 4

Scientific Drilling International, Inc.

SDI Standard Survey Report



Company:	DEVON ENERGY	Local Co-ordinate Reference:	Well Cotton Draw Unit #150H
Project:	Poker Lake	TVD Reference:	WELL @ 0 0usft (Original Well Elev)
Site:	Eddy County, NM	MD Reference:	WELL @ 0 0usft (Original Well Elev)
Well:	Cotton Draw Unit #150H	North Reference:	Grid
Wellbore:	VH - Job #32K0711720	Survey Calculation Method:	Minimum Curvature
Design:	VH - Job #32K0711720	Database:	EDM-Regulatory

Survey:								
Measured Depth (usft)	Inclination (°)	Azimuth (°)	True Vertical Depth	North/South (usft)	East/West (usft)	Closure Azimuth (°)	Closure Distance (usft)	
5,600 0	0 31	182 61	5,598 6	-74 6	44 7	149 05	87 0	
5,700 0	0 30	179 32	5,698 6	-75 1	44 7	149 24	87 4	
5,800 0	0 35	176 04	5,798 6	-75 7	44 8	149 41	87 9	
5,900 0	0 37	168 46	5,898 6	-76 3	44 8	149 57	88 5	
6,000 0	0 34	169 83	5,998 6	-76 9	45 0	149 70	89 1	
6,100 0	0 49	176 44	6,098 6	-77 7	45 0	149 89	89 8	
6,200 0	0 46	181 73	6,198 6	-78 5	45 0	150 15	90 5	
6,300 0	0 58	160 55	6,298 6	-79 4	45 2	150 34	91 3	
6,400 0	0 46	161 06	6,398 6	-80 2	45 5	150 44	92 2	
6,500 0	0 58	159 25	6,498 6	-81 1	45 8	150 53	93 1	
6,600 0	0 54	179 52	6,598 6	-82 0	46 0	150 72	94 0	
6,700 0	0 75	209 42	6,698 6	-83 1	45 7	151 19	94 8	
6,800 0	0 66	208 33	6,798 6	-84 1	45 1	151 82	95 5	
6,900 0	0 82	202 43	6,898 5	-85 3	44 5	152 43	96 2	
7,000 0	1 07	227 58	6,998 5	-86 6	43 6	153 29	96 9	
7,100 0	1 35	221 98	7,098 5	-88 1	42 1	154 46	97 6	
7,200 0	1 41	225 42	7,198 5	-89 8	40 4	155 77	98 5	
7,300 0	1 39	220 94	7,298 5	-91 6	38 8	157 07	99 5	
7,400 0	1 10	217 14	7,398 4	-93 3	37 4	158 16	100 5	
7,500 0	1 06	206 23	7,498 4	-94 9	36 4	159 01	101 6	
7,570 0	0 99	205 53	7,568 4	-96 0	35 9	159 53	102 5	



Project: Poker Lake
Eddy County, NM
Well: Cotton Draw Unit #150H
Wellbore: VH - Job #32K0711720
Design: VH - Job #32K0711720

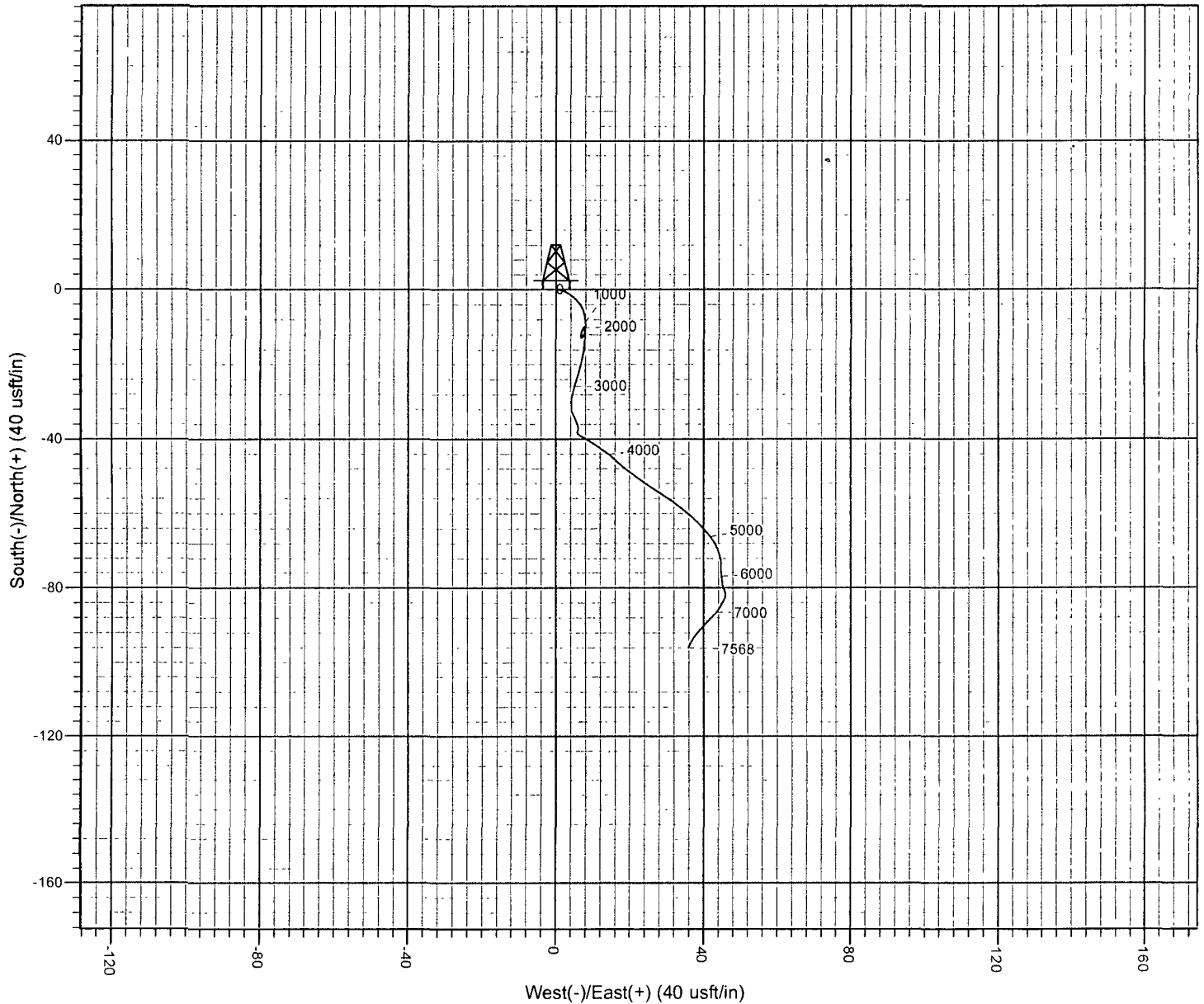


Azimuths to Grid North
True North -0 31°
Magnetic North, 7 35°

Magnetic Field
Strength 48574 9snT
Dip Angle 60 10°
Date: 7/29/2011
Model IGRF2010

WELL DETAILS: Cotton Draw Unit #150H
WELL @ 0.0usft (Original Well Elev)
Ground Level: 0.0

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0 0	0.0	424869.83	678279.01	32° 10' 0.380 N	103° 45' 25.880 W	



PROJECT DETAILS: Poker Lake
Geodetic System: US State Plane 1927 (Exact solution)
Datum: NAD 1927 (NADCON CONUS)
Ellipsoid: Clarke 1866
Zone New Mexico East 3001
System Datum: Mean Sea Level

SITE DETAILS: Eddy County, NM
Site Centre Latitude: 32° 11' 42.000 N
Longitude: 103° 44' 34.800 W
Positional Uncertainty: 0.0
Convergence: 0.31
Local North: Grid