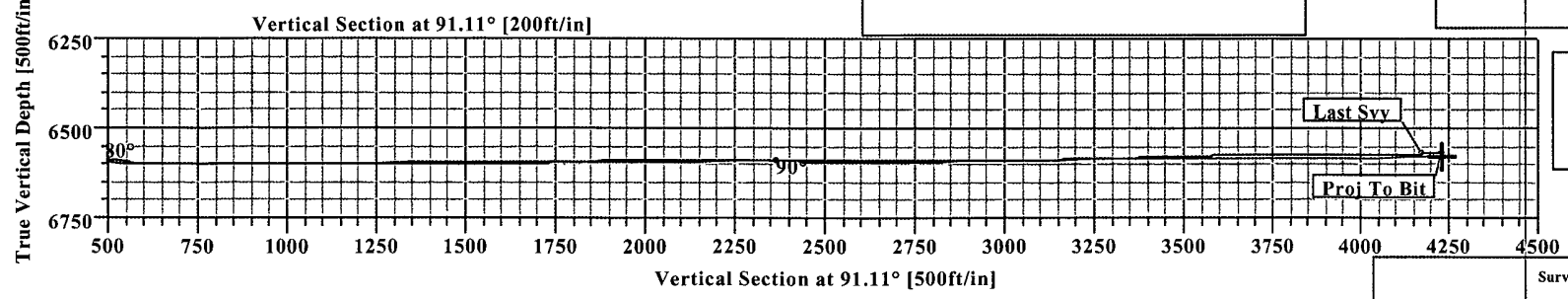
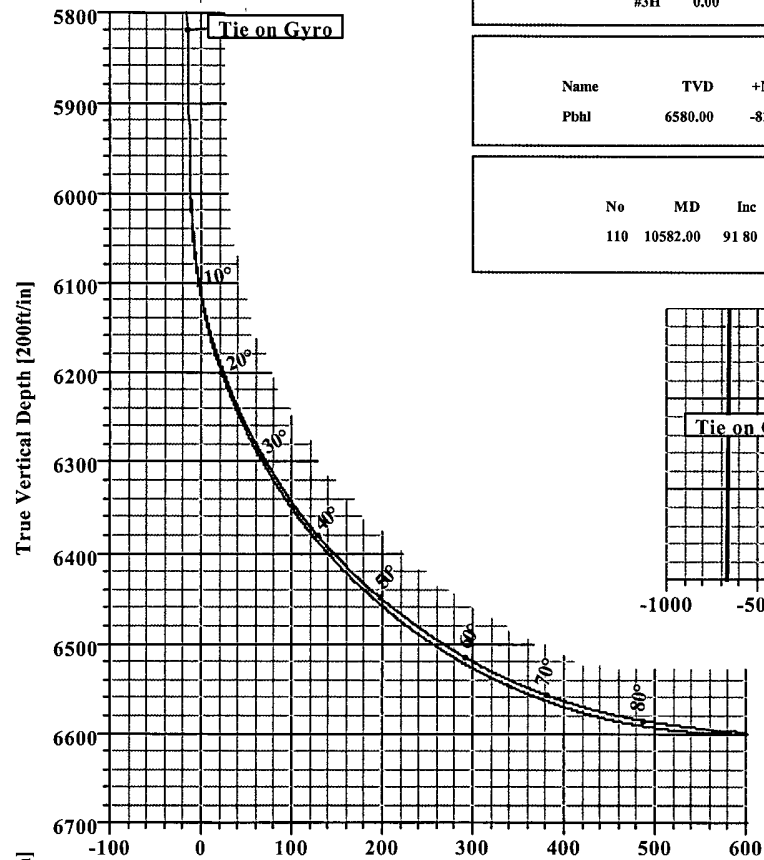
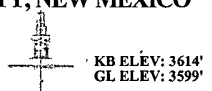


30-015-37193

devon
SHAKESPEARE 20 FED COM #3H
EDDY COUNTY, NEW MEXICO



SECTION DETAILS										
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	5955.00	1.23	110.02	5954.82	11.68	-12.61	0.00	0.00	-12.84	
2	6015.00	1.23	110.02	6014.80	11.24	-11.40	0.00	0.00	-11.62	
3	6944.46	90.31	91.21	6600.00	-5.49	588.89	9.59	-18.81	588.89	
4	10585.71	90.31	91.21	6580.00	-82.18	4229.27	0.00	0.00	4230.07	Pbhl

WELL DETAILS							
Name	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
#3H	0.00	0.00	694592.50	580946.60	32°54'33.769N	104°12'15.375W	N/A

TARGET DETAILS								
Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Shape
Pbhl	6580.00	-82.18	4229.27	694510.32	585175.87	32°54'32.902N	104°11'25.765W	Point

Proj To Bit Survey, Wft Svy (#3H/1)										
No	MD	Inc	Az	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	
110	10582.00	91.80	89.00	6568.33	-37.90	4230.82	0.00	0.00	4230.76	

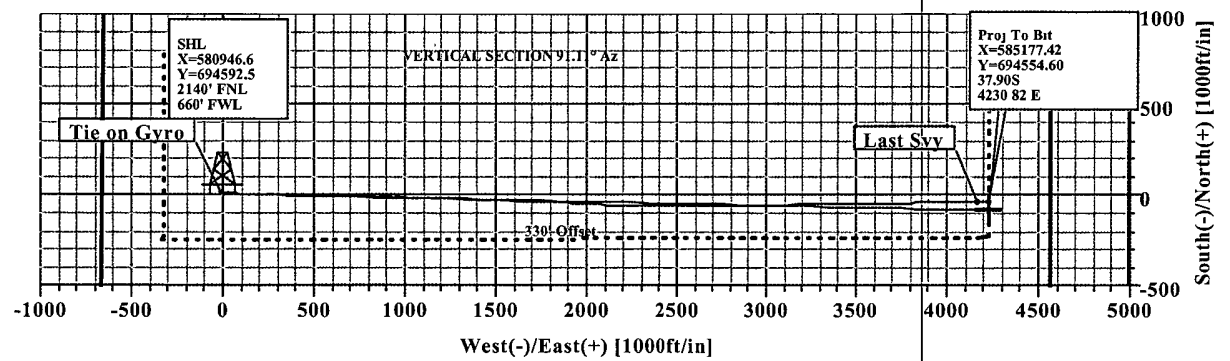


FORMATION TOP DETAILS			
No.	TVDPath	MDPath	Formation
1	6370.00	6394.72	Wolfcamp Mkr.
2	6545.00	6673.92	Wolfcamp Pay

Diagram: Shows magnetic field strength, dip angle, and date.

Text:

- Azimuths to Grid North: True North -0.07°, Magnetic North -8.04°
- Magnetic Field Strength: 49175nT
- Dip Angle: 60.77°
- Date: 11/2/2009
- Model: igrf200510
- Total Correction to Grid North: 8.04°



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: igrf200510
System Datum: Mean Sea Level
Local North: Grid North

SITE DETAILS
Shakespeare 20 Federal #3H
2140' FNL 660' FWL of Sec 20, T16S, R28E
Site Centre Northing: 694592.50
Easting: 580946.60
Ground Level: 3599.00
Positional Uncertainty: 0.00
Convergence: 0.07

LEGEND
#3H, 1 Plan #4
#3H, 1 Gyroscopic Svy
Wft Svy



Weatherford International Ltd.

WFT Survey Report

**Weatherford**

Company: Devon Energy	Date: 1/13/2010	Time: 16:40:29	Page: 1
Field: Eddy Co.: NM (NAD 83)	Co-ordinate(NE) Reference: Well: #3H, Grid North		
Site: Shakespeare 20 Federal #3H	Vertical (TVD) Reference: SITE 3614.0		
Well: #3H	Section (VS) Reference: Well (0 00N,0.00E,91.11Azi)		
Wellpath: 1	Survey Calculation Method: Minimum Curvature	Db: Sybase	

Survey: Wft Svy	Start Date: 12/9/2009
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: igrf200510

Site: Shakespeare 20 Federal #3H			
2140' FNL 660' FWL of Sec 20, T16S, R28E			
Site Position:	Northing: 694592 50 ft	Latitude: 32 54 33 769 N	
From: Map	Easting: 580946 60 ft	Longitude: 104 12 15 375 W	
Position Uncertainty: 0 00 ft		North Reference: Grid	
Ground Level: 3599 00 ft		Grid Convergence: 0 07 deg	

Well: #3H	Slot Name:
Well Position: +N/-S 0 00 ft	Latitude: 32 54 33 769 N
+E/-W 0 00 ft	Longitude: 104 12 15 375 W
Position Uncertainty: 0 00 ft	

Wellpath: 1	Drilled From: Surface
Current Datum: SITE	Tie-on Depth: 0 00 ft
Magnetic Data: 11/2/2009	Above System Datum: Mean Sea Level
Field Strength: 49175 nT	Declination: 8 11 deg
Vertical Section: Depth From (TVD)	Mag Dip Angle: 60 77 deg
ft	+E/-W
	Direction
	deg
0 00	0 00
0 00	91 11

Survey										
MD	Incl	Azim	TVD	N/S	E/W	VS	DLS	Build	Turn	Comment
ft	deg	deg	ft	ft	ft	ft	deg/100ft	deg/100ft	deg/100ft	
5820 00	0 96	110 25	5819 85	12 21	-15 34	-15 57	0 00	0 00	0 00	Tie on Gyro
5929 00	1 37	94 28	5928 83	11 80	-13 18	-13 41	0 48	0 38	-14 65	First Wft Svy
5955 00	1 23	110 02	5954 82	11 68	-12 61	-12 84	1 47	-0 54	60 54	
5987 00	1 35	102 48	5986 81	11 48	-11 92	-12 14	0 65	0 37	-23 56	
6018 00	2 86	74 35	6017 79	11 61	-10 82	-11 04	5 76	4 87	-90 74	
6050 00	4 75	86 07	6049 72	11 91	-8 73	-8 96	6 36	5 91	36 62	
6082 00	7 67	88 21	6081 53	12 07	-5 27	-5 51	9 15	9 12	6 69	
6113 00	10 97	86 79	6112 11	12 30	-0 26	-0 50	10 67	10 65	-4 58	
6145 00	14 22	86 70	6143 34	12 70	6 71	6 46	10 16	10 16	-0 28	
6177 00	17 15	89 17	6174 14	12 99	15 35	15 10	9 39	9 16	7 72	
6208 00	20 38	90 25	6203 49	13 04	25 32	25 06	10 48	10 42	3 48	
6240 00	23 70	92 10	6233 15	12 78	37 32	37 07	10 60	10 37	5 78	
6272 00	26 68	94 30	6262 10	12 00	50 92	50 68	9 76	9 31	6 87	
6303 00	29 75	93 57	6289 42	11 00	65 54	65 31	9 97	9 90	-2 35	
6335 00	32 18	93 08	6316 86	10 05	81 97	81 76	7 63	7 59	-1 53	
6366 00	35 58	91 99	6342 59	9 29	99 23	99 04	11 14	10 97	-3 52	
6398 00	38 24	91 08	6368 17	8 78	118 44	118 25	8 49	8 31	-2 84	
6430 00	41 74	89 34	6392 69	8 72	139 00	138 81	11 48	10 94	-5 44	
6461 00	44 94	89 28	6415 23	8 97	160 28	160 07	10 32	10 32	-0 19	
6525 00	51 42	90 60	6457 88	9 00	207 94	207 73	10 24	10 12	2 06	
6556 00	53 76	90 31	6476 71	8 80	232 56	232 35	7 58	7 55	-0 94	
6588 00	56 69	89 27	6494 96	8 90	258 85	258 62	9 54	9 16	-3 25	
6620 00	59 06	89 85	6511 98	9 11	285 94	285 71	7 56	7 41	1 81	
6651 00	62 74	90 50	6527 05	9 02	313 03	312 79	12 01	11 87	2 10	



Weatherford International Ltd.

WFT Survey Report



Company:	Devon Energy	Date:	1/13/2010	Time:	16:40:29	Page:	2
Field:	Eddy Co : NM (NAD 83)	Co-ordinate(NE) Reference:	Well #3H, Gnd North				
Site:	Shakespeare 20 Federal #3H	Vertical (TVD) Reference:	SITE 3614.0				
Well:	#3H	Section (VS) Reference:	Well (0.00N,0.00E,91.11Azi)				
Wellpath:	1	Survey Calculation Method:	Minimum Curvature			Db:	Sybase

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	Comment
6683.00	65.29	90.85	6541.07	8.68	341.79	341.55	8.03	7.97	1.09	
6715.00	68.95	92.22	6553.51	7.89	371.25	371.03	12.10	11.44	4.28	
6746.00	71.79	92.59	6563.93	6.66	400.42	400.22	9.23	9.16	1.19	
6778.00	75.04	92.19	6573.06	5.38	431.06	430.87	10.23	10.16	-1.25	
6810.00	77.80	93.15	6580.57	3.93	462.13	461.96	9.10	8.62	3.00	
6841.00	80.42	94.38	6586.43	1.93	492.50	492.37	9.31	8.45	3.97	
6872.00	82.28	94.24	6591.09	-0.37	523.06	522.97	6.02	6.00	-0.45	
6904.00	83.83	93.68	6594.96	-2.56	554.75	554.69	5.15	4.84	-1.75	
6920.00	84.98	93.65	6596.52	-3.58	570.64	570.60	7.19	7.19	-0.19	
6935.00	86.36	93.05	6597.65	-4.45	585.57	585.55	10.03	9.20	-4.00	
6966.00	88.83	91.10	6598.95	-5.57	616.52	616.51	10.15	7.97	-6.29	
6996.00	89.57	90.10	6599.37	-5.89	646.51	646.51	4.15	2.47	-3.33	
7027.00	90.03	90.69	6599.48	-6.10	677.51	677.50	2.41	1.48	1.90	
7058.00	90.31	90.38	6599.39	-6.39	708.51	708.50	1.35	0.90	-1.00	
7088.00	90.09	90.52	6599.28	-6.63	738.51	738.50	0.87	-0.73	0.47	
7120.00	90.26	90.51	6599.19	-6.92	770.51	770.50	0.53	0.53	-0.03	
7149.00	90.43	90.70	6599.01	-7.22	799.51	799.49	0.88	0.59	0.66	
7180.00	90.43	90.70	6598.78	-7.60	830.50	830.49	0.00	0.00	0.00	
7211.00	90.20	90.82	6598.61	-8.01	861.50	861.49	0.84	-0.74	0.39	
7241.00	90.31	91.17	6598.47	-8.53	891.49	891.49	1.22	0.37	1.17	
7303.00	90.03	91.20	6598.29	-9.81	953.48	953.49	0.45	-0.45	0.05	
7365.00	89.97	91.47	6598.29	-11.26	1015.46	1015.49	0.45	-0.10	0.44	
7426.00	90.09	91.32	6598.26	-12.74	1076.45	1076.49	0.31	0.20	-0.25	
7490.00	90.14	91.73	6598.13	-14.45	1140.42	1140.49	0.65	0.08	0.64	
7554.00	90.09	91.64	6598.00	-16.33	1204.39	1204.48	0.16	-0.08	-0.14	
7618.00	90.03	92.00	6597.93	-18.36	1268.36	1268.48	0.57	-0.09	0.56	
7681.00	90.14	92.05	6597.84	-20.59	1331.32	1331.47	0.19	0.17	0.08	
7745.00	89.86	92.50	6597.84	-23.13	1395.27	1395.46	0.83	-0.44	0.70	
7807.00	89.69	92.46	6598.08	-25.81	1457.21	1457.44	0.28	-0.27	-0.06	
7868.00	89.86	92.10	6598.32	-28.24	1518.16	1518.43	0.65	0.28	-0.59	
7899.00	89.74	92.37	6598.43	-29.45	1549.14	1549.42	0.95	-0.39	0.87	
7960.00	89.86	91.60	6598.65	-31.56	1610.10	1610.41	1.28	0.20	-1.26	
7991.00	90.54	91.41	6598.54	-32.37	1641.09	1641.41	2.28	2.19	-0.61	
8053.00	91.69	91.68	6597.33	-34.05	1703.06	1703.40	1.91	1.85	0.44	
8114.00	92.37	92.04	6595.17	-36.02	1763.99	1764.35	1.26	1.11	0.59	
8145.00	92.32	92.17	6593.90	-37.16	1794.94	1795.32	0.45	-0.16	0.42	
8176.00	91.86	92.38	6592.77	-38.39	1825.89	1826.30	1.63	-1.48	0.68	
8207.00	92.03	91.99	6591.72	-39.57	1856.85	1857.27	1.37	0.55	-1.26	
8237.00	91.57	92.12	6590.78	-40.65	1886.82	1887.25	1.59	-1.53	0.43	
8268.00	91.74	92.39	6589.88	-41.87	1917.78	1918.23	1.03	0.55	0.87	
8299.00	92.26	92.61	6588.80	-43.22	1948.73	1949.21	1.82	1.68	0.71	
8330.00	91.63	92.74	6587.75	-44.66	1979.68	1980.18	2.08	-2.03	0.42	
8361.00	90.43	93.63	6587.19	-46.39	2010.63	2011.15	4.82	-3.87	2.87	
8391.00	89.69	93.95	6587.16	-48.37	2040.56	2041.12	2.69	-2.47	1.07	
8422.00	90.09	93.86	6587.22	-50.48	2071.49	2072.08	1.32	1.29	-0.29	
8453.00	90.22	92.60	6587.13	-52.23	2102.44	2103.06	4.09	0.42	-4.06	
8484.00	89.69	92.20	6587.16	-53.53	2133.41	2134.05	2.14	-1.71	-1.29	
8514.00	89.69	91.88	6587.32	-54.59	2163.39	2164.05	1.07	0.00	-1.07	
8545.00	89.29	91.58	6587.60	-55.53	2194.38	2195.04	1.61	-1.29	-0.97	
8576.00	89.34	91.46	6587.97	-56.35	2225.37	2226.04	0.42	0.16	-0.39	
8638.00	88.88	90.09	6588.93	-57.19	2287.35	2288.03	2.33	-0.74	-2.21	
8699.00	89.17	90.12	6589.97	-57.30	2348.34	2349.01	0.48	0.48	0.05	



Weatherford International Ltd.

WFT Survey Report



Company: Devon Energy Date: 1/13/2010 Time: 16 40 29 Page: 3
Field: Eddy Co., NM (NAD 83) Co-ordinate(NE) Reference: Well #3H, Gnd North
Site: Shakespeare 20 Federal #3H Vertical (TVD) Reference: SITE 3614.0
Well: #3H Section (VS) Reference: Well (0.00N,0.00E,91.11Azi)
Wellpath: 1 Survey Calculation Method: Minimum Curvature Db: Sybase

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	Comment
8761 00	89 06	90 37	6590 93	-57 57	2410 33	2411 00	0 44	-0.18	0.40	
8822 00	89 40	90 02	6591 75	-57 77	2471 33	2471 98	0 80	0 56	-0 57	
8976 00	89 80	90 24	6592 82	-58 12	2625 32	2625 96	0 30	0 26	0 14	
9038 00	90 26	89 67	6592 79	-58 07	2687 32	2687 94	1 18	0 74	-0 92	
9099 00	90 43	89 54	6592 42	-57 65	2748 32	2748 92	0 35	0 28	-0 21	
9160 00	90 88	89 63	6591 72	-57 21	2809 31	2809 90	0 75	0 74	0 15	
9222 00	90 89	88 29	6590 77	-56 09	2871 30	2871 84	2 16	0 02	-2 16	
9283 00	90 60	89 46	6589 97	-54 89	2932 28	2932 79	1 98	-0 48	1.92	
9345.00	90 89	89 55	6589 17	-54 35	2994 27	2994 76	0 49	0 47	0 15	
9407.00	90 60	89 85	6588 36	-54 03	3056 26	3056 74	0 67	-0 47	0 48	
9470 00	91 63	88 68	6587 13	-53 22	3119 24	3119 69	2 47	1 63	-1.86	
9532 00	91 86	88 46	6585 25	-51 68	3181 20	3181 60	0 51	0 37	-0.35	
9563 00	91 34	89 18	6584 38	-51 04	3212 18	3212 56	2 86	-1 68	2 32	
9595 00	90 89	89 14	6583 76	-50 57	3244 17	3244 54	1 41	-1 41	-0 12	
9656 00	91 46	89 92	6582 51	-50 07	3305 15	3305 50	1 58	0 93	1 28	
9717 00	91 51	89 17	6580 93	-49 58	3366 13	3366 46	1 23	0 08	-1 23	
9779 00	91 23	89 06	6579 44	-48 63	3428 10	3428 40	0 49	-0 45	-0 18	
9840 00	91 29	88 98	6578 10	-47 58	3489 08	3489 35	0 16	0 10	-0 13	
9902 00	91 74	88 68	6576 46	-46 32	3551 05	3551 27	0 87	0 73	-0 48	
9963 00	92 26	88 94	6574 34	-45 05	3611 99	3612 19	0 95	0 85	0 43	
9994 00	91 97	88 91	6573 19	-44 47	3642 97	3643 14	0 94	-0 94	-0 10	
10025 00	92 14	88 92	6572 08	-43 88	3673 94	3674 10	0 55	0 55	0 03	
10057 00	91 06	88 89	6571 19	-43 27	3705 92	3706 07	3 38	-3 37	-0 09	
10088 00	89 69	89 18	6570 98	-42 75	3736 92	3737 04	4 52	-4 42	0 94	
10119 00	89 23	89 33	6571 28	-42 35	3767 91	3768 03	1 56	-1 48	0 48	
10150 00	89 63	89 35	6571 58	-41 99	3798 91	3799 01	1 29	1 29	0 06	
10180 00	89 86	89 16	6571 72	-41 60	3828 91	3828 99	0 99	0 77	-0 63	
10242 00	90 37	89 62	6571 59	-40 94	3890 90	3890 96	1 11	0 82	0 74	
10274 00	89 00	89 77	6571 77	-40 77	3922 90	3922 95	4 31	-4 28	0 47	
10335 00	89 57	89 68	6572 53	-40 48	3983 90	3983 93	0 95	0 93	-0 15	
10397 00	90 43	89 76	6572 53	-40 17	4045 89	4045 91	1 39	1 39	0 13	
10459 00	91 00	89 50	6571 76	-39 77	4107 89	4107 89	1 01	0 92	-0 42	
10522 00	91 80	89 00	6570 22	-38 95	4170 86	4170 83	1 50	1 27	-0 79	Last Svy
10582 00	91 80	89 00	6568 33	-37 90	4230 82	4230 76	0 00	0 00	0 00	Proj To Bit

Annotation

MD ft.	TVD ft	
5820 00	5819 85	Tie on Gyro
5929.00	5928 83	First Wft Svy
10522 00	6570 22	Last Svy
10582 00	6568 33	Proj To Bit

30-015-37193



Weatherford[®]

Evaluation, Drilling & Intervention
10000 West County Rd. 116
P.O. Box 61028
Midland, TX USA 79711
Tel. (432) 561-8892 Fax (432) 561-8895

Devon Energy
20 North Broadway
Oklahoma City, OK, 73102

Date: January 14, 2010

Attention: Stephanie Ysasaga

Re: Devon Energy
Well: Shakespeare 20 Federal #3H
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>
Michael Dill MWD Supervisor	3H	5929' MD 10522' MD	12/09/2009 12/25/2009	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.

Luke Schnell
Area Manager

On this, the 15th day of January, 20 10, before me a notary public, the undersigned officer, personally appeared Luke Schnell, 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