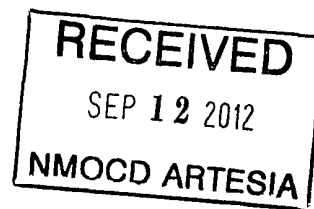


30-015-40007



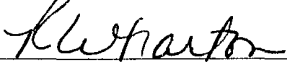
OCCIDENTAL PERMIAN LTD.

Laguna Salado Bone Spring, S.
Eddy County, NM
Goodnight 26 Federal #1
VH - Job #32K0412438

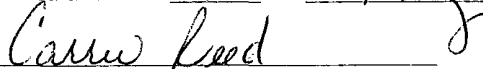
Survey: Gyro

SDI Standard Survey Report

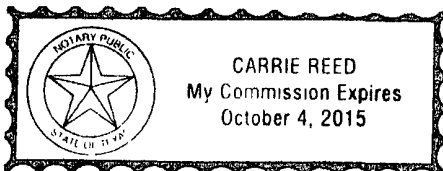
This survey is correct to the best of my knowledge and is supported by actual field data.



Notarized this date 14th of May, 2012.



Notary Signature
County of Midland
State of Texas



Scientific Drilling International, Inc.
SDI Standard Survey Report



Company:	OCCIDENTAL PERMIAN LTD	Local Co-ordinate Reference:	Well Goodnight 26 Federal #1
Project:	Laguna Salado Bone Spring, S.	TVD Reference:	WELL @ 0 00usft (Original Well Elev)
Site:	Eddy County, NM	MD Reference:	WELL @ 0 00usft (Original Well Elev)
Well:	Goodnight 26 Federal #1	North Reference:	Grid
Wellbore:	VH - Job #32K0412438	Survey Calculation Method:	Minimum Curvature
Design:	VH - Job #32K0412438	Database:	EDM-Regulatory

Project	Laguna Salado Bone Spring, S		
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:	465,143.90 usft
From:	Lat/Long	Easting:	603,975.34 usft
Position Uncertainty:	0 00 usft	Slot Radius:	0"
		Latitude:	32° 16' 42.057 N
		Longitude:	103° 59' 48.854 W
		Grid Convergence:	0 18 °

Well	Goodnight 26 Federal #1, Vertical		
Well Position	+N/-S	0.00 usft	Northing: 463,251.06 usft
	+E/-W	0.00 usft	Easting: 619,714.55 usft
Position Uncertainty	0 00 usft	Wellhead Elevation:	usft
		Latitude:	32° 16' 22.800 N
		Longitude:	103° 56' 45.600 W
		Ground Level:	0 00 usft

Wellbore	VH - Job #32K0412438				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	04/14/12	7 66	60 15	48,547

Design	VH - Job #32K0412438			
Audit Notes:				
Version:	1 0	Phase:	ACTUAL	Tie On Depth: 0 00
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0 00	0 00	0 00	253 24

Survey Program	Date	05/19/12		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
90 92	330 11	Gyro (VH - Job #32K0412438)	Keeper	Keeper Surface Readout

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	True Vertical Depth	North/South (usft)	East/West (usft)	Closure Azimuth (°)	Closure Distance (usft)		
0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00
90 92	0 55	312 53	90 92	0 29	-0 32	312 53	0 44		
178.69	0 75	247 34	178 68	0 36	-1.16	287 14	1 22		
266 61	1 23	240 29	266 59	-0 33	-2 51	262 50	2 53		
330 11	1 43	234 45	330 07	-1 13	-3 75	253 24	3 92		

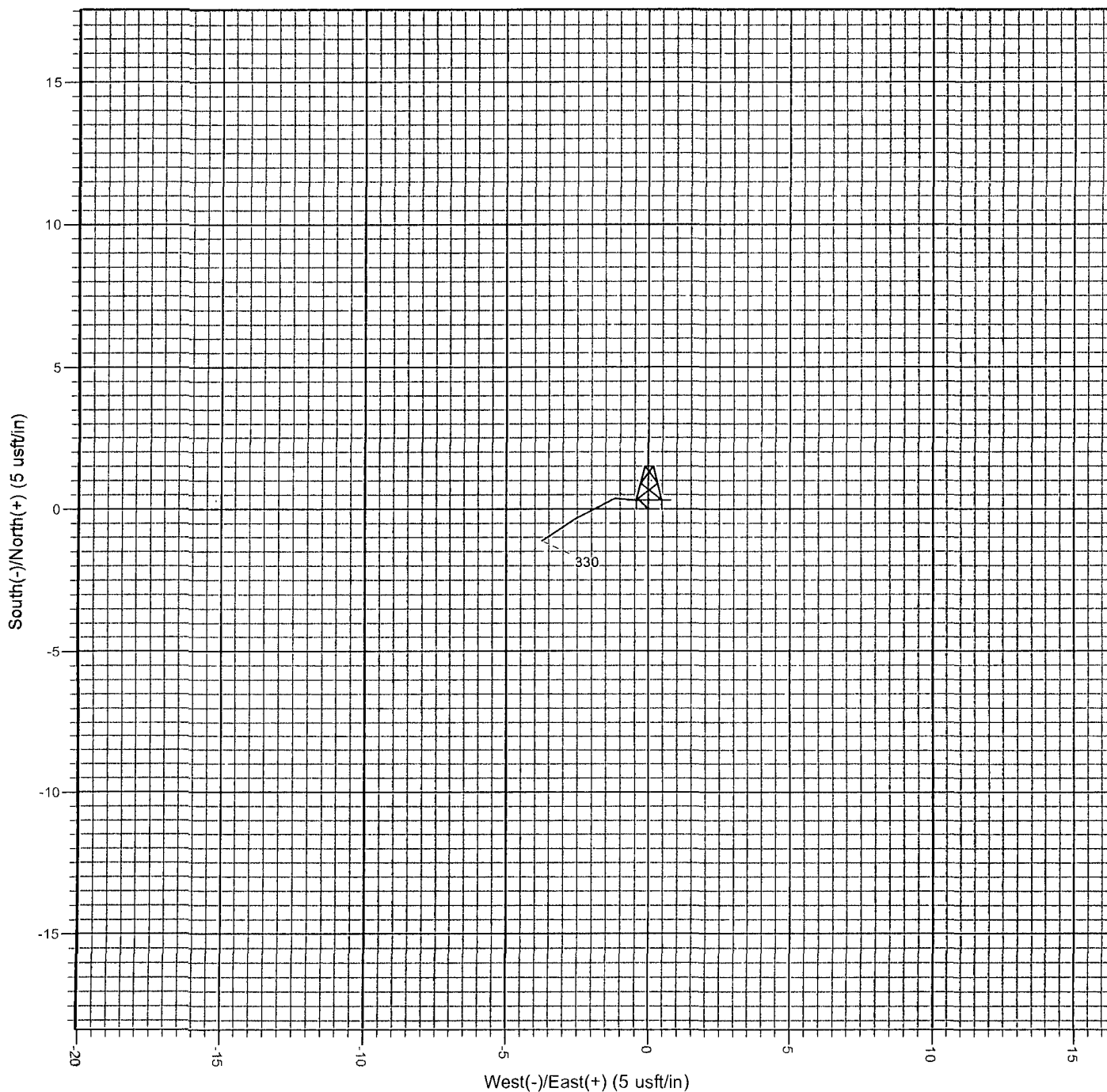


Scientific Drilling
Directional Drilling Operations

Project: Laguna Salado Bone Spring, S.
Eddy County, NM
Well: Goodnight 26 Federal #1
Wellbore: VH - Job #32K0412438
Design: VH - Job #32K0412438

WELL DETAILS: Goodnight 26 Federal #1
WELL @ 0.00usft (Original Well Elev)
Ground Level. 0.00

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0.00	0.00	463251.06	619714.55	32° 16' 22.800 N	103° 56' 45.600 W	



PROJECT DETAILS: Laguna Salado Bone Spring, S.	SITE DETAILS: Eddy County, NM
Geodetic System: US State Plane 1927 (Exact solution)	Site Centre Latitude: 32° 16' 42.057 N
Datum: NAD 1927 (NADCON CONUS)	Longitude: 103° 59' 48.854 W
Ellipsoid: Clarke 1866	Positional Uncertainty: 0.00
Zone: New Mexico East 3001	Convergence: 0.18
System Datum: Mean Sea Level	Local North: Grid



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

Occidental Permian Ltd.
5 Greenway Plaza Suite 110
Houston Tx 77046

Date: June 4, 2012

Attention: Scott Hulsey

Re: Occidental Permian Ltd
Well: Goodnight 26 Fed Com #1H
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:

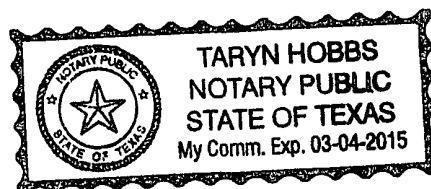
<u>Name & Title Of Surveyor</u>	<u>Well Number</u>	<u>Surveyed Depths</u>	<u>Dates Performed</u>	<u>Type of Survey</u>
Joe Rivera MWD Supervisor	1H	419' MD 14186' MD	4/16/2012 5/27/2012	Measurement While Drilling

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.

Jesus Aguilar
MWD Coordinator

On this, the 4th day of June, 2012, before me a notary public, the undersigned officer, personally appeared JESUS 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-whereof, I hereunto set my hand and official seal.

Notary Public



Weatherford International Ltd.

WFT Survey Report X & Y's



Weatherford

Company: Occidental Permian Ltd.	Date: 5/30/2012	Time: 09:44:15	Page: 1
Field: Eddy Co. NM (Nad 27)	Co-ordinate(NE) Reference: Well: Fed #1H Grid North		
Site: Goodnight 26 Fed #1H	Vertical(TVD) Reference: SITE 3096.5		
Well: Fed #1H	Section (VS) Reference: Well (0.00N,0.00E,303.70Azi)		
Wellpath: Pilot	Survey Calculation Method: Minimum Curvature	Db: Sybase	

Survey: Wft Svy	Start Date: 4/17/2012
Company: Weatherford International Ltd.	Engineer: Keith Noack
Tool: MWD,MWD - Standard	Tied-to: From Surface

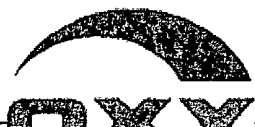
Field: Eddy Co, NM (Nad 27)	
Map System: US State Plane Coordinate System 1927	Map Zone: New Mexico, Eastern Zone
Geo Datum: NAD27 (Clarke 1866)	Coordinate System: Well Centre
Sys Datum: Mean Sea Level	Geomagnetic Model: IGRF2010

Site: Goodnight 26 Fed #1H		
Site Position:	Northing: 463409.80 ft	Latitude: 32 16 24.375 N
From: Map	Easting: 619602.00 ft	Longitude: 103 56 46.904 W
Position Uncertainty: 0 00 ft		North Reference: Grid
Ground Level: 3071.50 ft		Grid Convergence: 0 21 deg

Well: Fed #1H	Slot Name:
Well Position: +N/-S 0 00 ft	Latitude: 32 16 24.375 N
+E/-W 0 00 ft	Longitude: 103 56 46.904 W
Position Uncertainty: 0 00 ft	

Wellpath: Pilot	Drilled From: Surface
Current Datum: SITE	Tie-on Depth: 0 00 ft
Magnetic Data: 5/1/2012	Above System Datum: Mean Sea Level
Field Strength: 48542 nT	Declination: 7 66 deg
Vertical Section: Depth From (TVD)	Mag Dip Angle: 60 15 deg
ft	+E/-W
	ft
	deg
0 00	0.00
	0.00
	303 70

Survey										
MD	Incl	Azim	TVD	N/S	E/W	DLS	VS	MapN	MapE	Comment
ft	deg	deg	ft	ft	ft	deg/100ft	ft	ft	ft	
0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	463409.80	619602.00	
90 92	0 55	312 53	90 92	0.29	-0 32	0 60	0 43	463410.09	619601.68	
178 69	0 75	247 34	178 68	0 36	-1 16	0 82	1.17	463410.16	619600.84	
266 61	1.23	240.29	266 59	-0.33	-2.51	0.56	1.91	463409.47	619599.49	
330 11	1.43	234 45	330 07	-1 13	-3.75	0.38	2 49	463408.67	619598.25	Tie on Gyro
340 00	1 40	233 58	339.96	-1 27	-3.95	0 38	2 58	463408.53	619598.05	Csg
419 00	1 17	225 03	418 94	-2 42	-5 29	0 38	3 06	463407.38	619596.71	First Wft Svy
511 00	1 28	224 45	510 92	-3 81	-6 68	0 12	3 44	463405.99	619595.32	
605 00	1.37	222 49	604 89	-5.39	-8 17	0 11	3 81	463404.41	619593.83	
698.00	1.33	221 69	697 87	-7 02	-9 64	0.05	4 13	463402.78	619592.36	
789 00	1 44	222 71	788 84	-8.65	-11 12	0 12	4 45	463401.15	619590.88	
884.00	1 64	219.95	883 81	-10 56	-12 80	0 22	4 79	463399.24	619589.20	
978.00	1.90	216.27	977.76	-12 85	-14 59	0 30	5.00	463396.95	619587.41	
1073.00	1.88	214 24	1072 71	-15.41	-16 40	0 07	5 09	463394.39	619585.60	
1167 00	0 65	211.67	1166 69	-17 14	-17 54	1.31	5 09	463392.66	619584.46	
1262 00	0 39	213.75	1261 68	-17.87	-18 01	0 27	5 07	463391.93	619583.99	
1357 00	0 46	210 45	1356.68	-18 46	-18.38	0 08	5 05	463391.34	619583.62	
1451 00	0 47	209 17	1450.68	-19 13	-18 76	0 02	4.99	463390.67	619583.24	
1546 00	0 55	214 46	1545.67	-19 84	-19 21	0 10	4 97	463389.96	619582.79	
1640.00	0 49	222.03	1639 67	-20 51	-19 73	0 10	5 03	463389.29	619582.27	
1735 00	0 36	218 37	1734 67	-21 05	-20 19	0 14	5 12	463388.75	619581.81	
1829 00	0 64	205 05	1828 66	-21 76	-20 59	0 32	5 06	463388.04	619581.41	
1924 00	0 87	202 87	1923 65	-22 90	-21 10	0 24	4 85	463386.90	619580.90	
2019 00	0 11	155 54	2018 65	-23.65	-21 34	0 84	4 63	463386.15	619580.66	



Weatherford International Ltd.

WFT Survey Report X & Y's

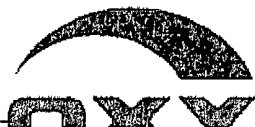
**Weatherford**

Company: Occidental Permian Ltd
Field: Eddy Co. NM (Nad 27)
Site: Goodnight 26 Fed #1H
Well: Fed #1H
Wellpath: Pilot

Date: 5/30/2012 Time: 09:44:15 Page: 2
Co-ordinate(NE) Reference: Well: Fed #1H, Grid North
Vertical (TVD) Reference: SITE 3096.5
Section (VS) Reference: Well (0.00N,0.00E,303.70Azi)
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
2113.00	0.89	25.30	2112.65	-23.07	-20.99	1.03	4.66	463386.73	619581.01	
2208.00	1.08	25.47	2207.63	-21.60	-20.29	0.20	4.90	463388.20	619581.71	
2303.00	1.15	20.63	2302.61	-19.89	-19.57	0.12	5.24	463389.91	619582.43	
2397.00	1.01	16.22	2396.60	-18.22	-19.01	0.17	5.70	463391.58	619582.99	
2492.00	1.02	35.63	2491.58	-16.73	-18.28	0.36	5.93	463393.07	619583.72	
2586.00	1.10	64.75	2585.57	-15.66	-16.98	0.57	5.43	463394.14	619585.02	
2681.00	1.14	70.17	2680.55	-14.95	-15.26	0.12	4.40	463394.85	619586.74	
2775.00	1.28	55.36	2774.53	-14.04	-13.52	0.36	3.46	463395.76	619588.48	
2870.00	1.36	66.79	2869.50	-12.99	-11.61	0.29	2.45	463396.81	619590.39	
2965.00	1.17	46.41	2964.48	-11.88	-9.87	0.51	1.62	463397.92	619592.13	
3059.00	1.11	50.35	3058.46	-10.63	-8.47	0.10	1.15	463399.17	619593.53	
3083.00	1.17	46.77	3082.46	-10.32	-8.12	0.39	1.03	463399.48	619593.88	
3136.00	1.16	45.52	3135.45	-9.57	-7.34	0.05	0.80	463400.23	619594.66	
3150.00	1.15	44.67	3149.44	-9.37	-7.14	0.15	0.74	463400.43	619594.86	
3231.00	1.08	39.41	3230.43	-8.21	-6.09	0.15	0.51	463401.59	619595.91	
3325.00	1.03	33.98	3324.41	-6.82	-5.05	0.12	0.42	463402.98	619596.95	Csg
3420.00	1.12	26.21	3419.40	-5.28	-4.16	0.18	0.54	463404.52	619597.84	
3515.00	1.22	36.06	3514.38	-3.63	-3.16	0.24	0.61	463406.17	619598.84	
3609.00	1.14	23.90	3608.36	-1.96	-2.19	0.28	0.73	463407.84	619599.81	
3704.00	1.14	18.57	3703.34	-0.20	-1.51	0.11	1.14	463409.60	619600.49	
3798.00	1.14	19.22	3797.32	1.56	-0.90	0.01	1.62	463411.36	619601.10	
3893.00	1.08	17.01	3892.30	3.31	-0.33	0.08	2.11	463413.11	619601.67	
3987.00	1.13	20.08	3986.28	5.03	0.25	0.08	2.58	463414.83	619602.25	
4082.00	0.94	14.26	4081.27	6.67	0.76	0.23	3.06	463416.47	619602.76	
4177.00	0.89	7.86	4176.26	8.15	1.06	0.12	3.64	463417.95	619603.06	
4271.00	1.06	10.68	4270.24	9.73	1.32	0.19	4.30	463419.53	619603.32	
4366.00	0.95	10.09	4365.23	11.37	1.62	0.12	4.96	463421.17	619603.62	
4461.00	0.89	17.16	4460.22	12.85	1.97	0.14	5.49	463422.65	619603.97	
4555.00	0.89	9.94	4554.20	14.27	2.31	0.12	5.99	463424.07	619604.31	
4650.00	0.89	8.77	4649.19	15.72	2.55	0.02	6.60	463425.52	619604.55	
4744.00	0.86	16.00	4743.18	17.12	2.86	0.12	7.12	463426.92	619604.86	
4839.00	0.71	5.95	4838.17	18.39	3.12	0.21	7.61	463428.19	619605.12	
4934.00	0.64	7.08	4933.17	19.50	3.24	0.08	8.12	463429.30	619605.24	
5029.00	0.75	354.69	5028.16	20.65	3.25	0.20	8.75	463430.45	619605.25	
5123.00	0.77	10.26	5122.15	21.88	3.31	0.22	9.39	463431.68	619605.31	
5217.00	0.64	358.09	5216.14	23.03	3.40	0.21	9.95	463432.83	619605.40	
5312.00	0.75	1.69	5311.14	24.18	3.40	0.12	10.59	463433.98	619605.40	
5407.00	0.74	358.58	5406.13	25.42	3.41	0.04	11.27	463435.22	619605.41	
5501.00	0.20	273.45	5500.13	26.03	3.23	0.80	11.76	463435.83	619605.23	
5596.00	0.62	240.87	5595.12	25.79	2.61	0.49	12.14	463435.59	619604.61	
5691.00	0.73	251.72	5690.12	25.35	1.59	0.18	12.74	463435.15	619603.59	
5785.00	1.27	247.61	5784.10	24.77	0.06	0.58	13.69	463434.57	619602.06	
5880.00	1.20	243.23	5879.08	23.92	-1.80	0.12	14.77	463433.72	619600.20	
5975.00	1.28	245.29	5974.06	23.03	-3.66	0.10	15.82	463432.83	619598.34	
6069.00	1.20	242.31	6068.04	22.13	-5.48	0.11	16.84	463431.93	619596.52	
6164.00	1.30	242.14	6163.01	21.16	-7.32	0.11	17.83	463430.96	619594.68	
6258.00	1.38	235.47	6256.99	20.03	-9.19	0.19	18.76	463429.83	619592.81	
6353.00	1.37	234.74	6351.96	18.72	-11.06	0.02	19.59	463428.52	619590.94	
6448.00	1.33	238.67	6446.93	17.49	-12.93	0.11	20.46	463427.29	619589.07	
6542.00	1.29	234.65	6540.91	16.31	-14.72	0.11	21.30	463426.11	619587.28	
6637.00	1.08	231.65	6635.89	15.14	-16.30	0.23	21.96	463424.94	619585.70	
6731.00	0.94	235.91	6729.88	14.16	-17.63	0.17	22.52	463423.96	619584.37	



Weatherford International Ltd.

WFT Survey Report X & Y's



Weatherford

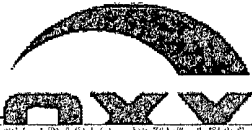
Company: Occidental Permian Ltd. Date: 5/30/2012 Time: 09:44:15 Page: 3
Field: Eddy Co. NM (Nad 27) Co-ordinate(NF) Reference: Well: Fed #1H, Grid North
Site: Goodnight 26 Fed #1H Vertical (TVD) Reference: SITE 3096.5
Well: Fed #1H Section (VS) Reference: Well (0.00N, 0.00E, 303.70Azi)
Wellpath: Pilot 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
6826.00	1.09	235.57	6824.86	13.21	-19.02	0.16	23.15	463423.01	619582.98	
6921.00	1.16	227.05	6919.84	12.04	-20.47	0.19	23.71	463421.84	619581.53	
7015.00	0.93	235.41	7013.83	10.96	-21.80	0.29	24.22	463420.76	619580.20	
7110.00	1.09	236.24	7108.81	10.02	-23.18	0.17	24.85	463419.82	619578.82	
7205.00	0.96	244.27	7203.80	9.17	-24.65	0.20	25.60	463418.97	619577.35	
7299.00	0.20	192.50	7297.79	8.67	-25.39	0.91	25.94	463418.47	619576.61	
7394.00	0.92	119.84	7392.79	8.13	-24.77	0.93	25.12	463417.93	619577.23	
7489.00	1.86	101.37	7487.76	7.45	-22.60	1.08	22.93	463417.25	619579.40	
7583.00	2.48	87.17	7581.69	7.25	-19.07	0.87	19.89	463417.05	619582.93	
7678.00	2.59	88.26	7676.60	7.41	-14.87	0.13	16.49	463417.21	619587.13	
7773.00	2.37	73.07	7771.51	8.05	-10.85	0.73	13.49	463417.85	619591.15	
7867.00	1.86	66.09	7865.45	9.23	-7.59	0.61	11.44	463419.03	619594.41	
7962.00	2.09	61.72	7960.39	10.68	-4.66	0.29	9.80	463420.48	619597.34	
8057.00	1.65	70.40	8055.34	11.96	-1.84	0.55	8.17	463421.76	619600.16	
8151.00	1.37	83.71	8149.31	12.54	0.55	0.48	6.50	463422.34	619602.55	
8246.00	1.39	94.26	8244.28	12.58	2.83	0.27	4.63	463422.38	619604.83	
8341.00	1.35	82.39	8339.25	12.64	5.08	0.30	2.78	463422.44	619607.08	
8435.00	1.64	99.78	8433.22	12.56	7.51	0.57	0.72	463422.36	619609.51	
8530.00	1.27	114.79	8528.19	11.88	9.80	0.56	-1.56	463421.68	619611.80	
8625.00	0.20	166.64	8623.18	11.28	10.80	1.22	-2.72	463421.08	619612.80	
8719.00	0.15	227.44	8717.18	11.04	10.74	0.19	-2.81	463420.84	619612.74	
8814.00	0.95	286.43	8812.18	11.18	9.90	0.93	-2.03	463420.98	619611.90	
8909.00	1.52	271.30	8907.15	11.43	7.88	0.69	-0.22	463421.23	619609.88	
9004.00	2.08	265.15	9002.11	11.31	4.91	0.62	2.20	463421.11	619606.91	
9098.00	2.28	263.42	9096.04	10.95	1.35	0.22	4.96	463420.75	619603.35	
9193.00	2.81	258.44	9190.94	10.27	-2.81	0.60	8.04	463420.07	619599.19	
9236.00	2.94	250.25	9233.89	9.69	-4.88	1.00	9.44	463419.49	619597.12	Last Wft Svy
9300.00	2.94	250.25	9297.81	8.58	-7.97	0.00	11.39	463418.38	619594.03	Proj. to Bit

Annotation

MD ft	TVD ft	
330.11	330.07	Tie on Gyro
419.00	418.94	First Wft Svy
9236.00	9233.89	Last Wft Svy
9300.00	9297.81	Proj. to Bit



Weatherford International Ltd.

WFT Survey Report X & Y's



Weatherford

Company:	Occidental Permian Ltd.	Date:	5/29/2012	Time:	08:43:44	Page:	1
Field:	Eddy Co. NM (Nad 27)	Co-ordinate(NF) Reference:	Well: Fed #1H, Grid North				
Site:	Goodnight 26 Fed #1H	Vertical (TVD) Reference:	SITE 3096 5'				
Well:	Fed #1H	Section (VS) Reference:	Well: (0.00N:0.00E:303.70Azi)				
Wellpath:	HZ	Survey Calculation Method:	Minimum Curvature	Db:	Sybase		

Survey:	Wft Svy	Start Date:	5/7/2012
Company:	Weatherford International Ltd	Engineer:	Patrick Rudolph
Tool:	MWD,MWD - Standard	Tied-to:	User Defined

Field:	Eddy Co, NM (Nad 27)		
Map System:	US State Plane Coordinate System 1927	Map Zone:	New Mexico, Eastern Zone
Geo Datum:	NAD27 (Clarke 1866)	Coordinate System:	Well Centre
Sys Datum:	Mean Sea Level	Geomagnetic Model:	IGRF2010

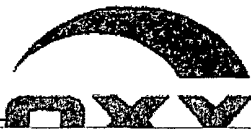
Site:	Goodnight 26 Fed #1H					
Site Position:		Northing:	463409 80 ft	Latitude:	32 16 24 375 N	
From: Map		Easting:	619602 00 ft	Longitude:	103 56 46 904 W	
Position Uncertainty:	0 00 ft			North Reference:	Grid	
Ground Level:	3071.50 ft			Grid Convergence:	0 21 deg	

Well:		Fed #1H		Slot Name:			
Well Position:	+N/-S	0 00 ft	Northing:	463409 80 ft	Latitude:	32 16	24 375 N
	+E/-W	0.00 ft	Easting :	619602 00 ft	Longitude:	103 56	46 904 W
Position Uncertainty:		0 00 ft					

Wellpath:	HZ	Drilled From:	Pilot
Current Datum:	SITE	Tie-on Depth:	8246.00 ft
Magnetic Data:	5/1/2012	Above System Datum:	Mean Sea Level
Field Strength:	48542 nT	Declination:	7.66 deg
Vertical Section:	Depth From (TVD)	Mag Dip Angle:	60.15 deg
	ft	+E/-W	Direction
	0 00	ft	deg
		0 00	303.70

Survey

MD	Incl	Azim	TVD	N/S	E/W	DLS	VS	MapN	MapE	Comment
ft	deg	deg	ft	ft	ft	deg/100ft	ft	ft	ft	
8246.00	1.39	94 26	8244 28	12 58	2 83	0.00	4 63	463422.38	619604 83	Tie on Wft First Wft Svy
8255 00	1.02	82.29	8253.28	12.58	3 01	4 95	4.47	463422 38	619605 01	
8286 00	0 71	2 37	8284 27	12 81	3 30	3 67	4 36	463422 61	619605 30	
8318 00	3.16	312.57	8316 25	13 60	2.65	8 61	5 34	463423 40	619604.65	
8349 00	6 44	307 41	8347 14	15 24	0.64	10 66	7 92	463425.04	619602 64	
8381.00	10 07	305 07	8378.81	17 94	-3 07	11.39	12 51	463427.74	619598 93	
8413 00	13 15	307 39	8410.15	21 75	-8.26	9 73	18 94	463431 55	619593 74	
8444.00	16.02	308 03	8440.14	26.53	-14 43	9 27	26.72	463436 33	619587 57	
8476 00	19.25	309 09	8470 64	32.58	-22 00	10 14	36 38	463442 38	619580.00	
8507.00	22 17	309.19	8499.63	39.50	-30.50	9 42	47 29	463449 30	619571.50	
8539.00	24 84	310.08	8528 97	47 64	-40 33	8.42	59 99	463457 44	619561 67	
8570 00	27 18	310 62	8556.83	56 45	-50 69	7 59	73.49	463466.25	619551 31	
8602 00	29 32	310.81	8585.02	66 33	-62 16	6 69	88 52	463476 13	619539 84	
8634 00	30 84	310 17	8612 71	76 74	-74 36	4.85	104 45	463486 54	619527 64	
8665.00	32.60	308 38	8639 08	87 05	-86 98	6.44	120 67	463496 85	619515 02	
8697 00	34 04	306 04	8665 82	97.67	-100 98	6 03	138 21	463507.47	619501 02	
8728.00	35.67	303.94	8691 26	107.83	-115.50	6 53	155 92	463517.63	619486 50	
8760 00	37 72	302.92	8716 91	118 36	-131 46	6 68	175.04	463528 16	619470 54	
8792.00	40 34	302.80	8741 77	129.29	-148 38	8 19	195 18	463539 09	619453 62	
8823.00	42.66	302 88	8764.99	140 43	-165 64	7 49	215 72	463550 23	619436 36	
8855 00	45 25	303 51	8788 02	152.59	-184 22	8 21	237 93	463562 39	619417 78	
8886 00	47 57	303 67	8809 39	165 01	-202 93	7.49	260 38	463574 81	619399 07	
8918 00	49 37	303 68	8830 61	178 29	-222 86	5 63	284 34	463588 09	619379 14	
8949 00	51 04	303 57	8850.45	191 48	-242 69	5 39	308 15	463601 28	619359 31	



Weatherford International Ltd.

WFT Survey Report X & Y's



Weatherford

Company: Occidental Permian Ltd			Date: 5/29/2012		Time: 08:43:44		Page: 2			
Field: Eddy Co. NM (Nad 27)			Co-ordinate(NE) Reference:		Well: Fed #1H Grid: North					
Site: Goodnight 26 Fed #1H			Vertical (TVD) Reference:		SITE 3096.5					
Well: Fed #1H			Section (VS) Reference:		Well: (0.00N.0.00E:303.70Azi)					
Wellpath: Hz			Survey Calculation Method:		Minimum Curvature		Db: Sybase			
Survey										
MD	Incl	Azim	TVD	N/S	E/W	DLS	VS	MapN	MapE	Comment
ft	deg	deg	ft	ft	ft	deg/100ft	ft	ft	ft	
8981.00	54.30	302.98	8869.85	205.44	-263.97	10.29	333.59	463615.24	619338.03	
9012.00	57.64	302.37	8887.20	219.30	-285.59	10.90	359.28	463629.10	619316.41	
9046.00	60.60	301.85	8904.65	234.81	-310.30	8.80	388.44	463644.61	619291.70	
9077.00	62.32	301.50	8919.46	249.11	-333.48	5.64	415.66	463658.91	619268.52	
9108.00	63.89	301.92	8933.48	263.64	-357.00	5.21	443.29	463673.44	619245.00	
9136.00	66.33	302.35	8945.26	277.15	-378.50	8.82	468.67	463686.95	619223.50	
9171.00	69.91	302.99	8958.30	294.68	-405.84	10.37	501.14	463704.48	619196.16	
9203.00	72.26	303.35	8968.68	311.24	-431.18	7.42	531.41	463721.04	619170.82	
9234.00	74.58	303.73	8977.52	327.66	-455.94	7.58	561.12	463737.46	619146.06	
9266.00	76.76	303.54	8985.44	344.83	-481.75	6.84	592.12	463754.63	619120.25	
9298.00	79.34	303.89	8992.07	362.21	-507.79	8.13	623.43	463772.01	619094.21	
9329.00	81.81	304.10	8997.14	379.31	-533.14	8.00	654.01	463789.11	619068.86	
9361.00	84.15	304.20	9001.05	397.13	-559.42	7.32	685.76	463806.93	619042.58	
9392.00	86.81	304.19	9003.50	414.50	-584.98	8.58	716.66	463824.30	619017.02	
9424.00	89.34	304.78	9004.57	432.61	-611.34	8.12	748.64	463842.41	618990.66	
9456.00	90.10	304.80	9004.73	450.86	-637.62	2.38	780.63	463860.66	618964.38	
9550.00	91.50	305.03	9003.42	504.66	-714.69	1.51	874.60	463914.46	618887.31	
9645.00	93.11	304.57	8999.59	558.83	-792.64	1.76	969.50	463968.63	618809.36	
9740.00	94.02	304.48	8993.69	612.57	-870.75	0.96	1064.31	464022.37	618731.25	
9834.00	94.16	303.41	8986.98	664.92	-948.53	1.15	1158.06	464074.72	618653.47	
9929.00	92.28	303.15	8981.65	716.97	-1027.82	2.00	1252.91	464126.77	618574.18	
10024.00	91.15	303.23	8978.80	768.95	-1107.29	1.19	1347.86	464178.75	618494.71	
10118.00	91.64	303.35	8976.52	820.53	-1185.84	0.54	1441.83	464230.33	618416.16	
10213.00	91.15	302.10	8974.20	871.87	-1265.74	1.41	1536.79	464281.67	618336.26	
10307.00	91.08	301.89	8972.37	921.67	-1345.44	0.24	1630.73	464331.47	618256.56	
10402.00	90.52	301.09	8971.05	971.28	-1426.44	1.03	1725.64	464381.08	618175.56	
10496.00	91.50	301.36	8969.39	1020.00	-1506.81	1.08	1819.54	464429.80	618095.19	
10591.00	90.60	301.86	8967.65	1069.79	-1587.70	1.08	1914.46	464479.59	618014.30	
10685.00	91.57	302.33	8965.87	1119.72	-1667.32	1.15	2008.41	464529.52	617934.68	
10780.00	91.15	303.32	8963.61	1171.20	-1747.13	1.13	2103.37	464581.00	617854.87	
10874.00	88.98	303.24	8963.51	1222.78	-1825.71	2.31	2197.36	464632.58	617776.29	
10969.00	88.92	303.44	8965.25	1274.99	-1905.06	0.22	2292.34	464684.79	617696.94	
11064.00	89.48	303.86	8966.57	1327.62	-1984.13	0.74	2387.33	464737.42	617617.87	
11158.00	90.03	303.98	8966.98	1380.08	-2062.13	0.60	2481.33	464789.88	617539.87	
11253.00	90.80	304.25	8966.29	1433.36	-2140.78	0.86	2576.32	464843.16	617461.22	
11347.00	91.71	304.91	8964.23	1486.69	-2218.16	1.20	2670.29	464896.49	617383.84	
11442.00	92.49	305.45	8960.75	1541.39	-2295.75	1.00	2765.19	464951.19	617306.25	
11537.00	91.64	305.44	8957.33	1596.45	-2373.09	0.89	2860.08	465006.25	617228.91	
11631.00	92.42	305.81	8954.00	1651.16	-2449.45	0.92	2953.97	465060.96	617152.55	
11726.00	91.44	304.38	8950.80	1705.75	-2527.14	1.82	3048.89	465115.55	617074.86	
11821.00	91.15	304.01	8948.65	1759.13	-2605.69	0.49	3143.86	465168.93	616996.31	
11915.00	90.52	304.07	8947.28	1811.74	-2683.58	0.67	3237.85	465221.54	616918.42	
12010.00	90.88	304.29	8946.12	1865.11	-2762.16	0.44	3332.84	465274.91	616839.84	
12104.00	91.09	303.95	8944.50	1917.82	-2839.97	0.43	3426.82	465327.62	616762.03	
12199.00	91.85	303.99	8942.07	1970.89	-2918.73	0.80	3521.79	465380.69	616683.27	
12294.00	91.16	304.41	8939.57	2024.27	-2997.27	0.85	3616.75	465434.07	616604.73	
12389.00	89.83	304.01	8938.75	2077.68	-3075.83	1.46	3711.74	465487.48	616526.17	
12483.00	90.60	304.11	8938.40	2130.32	-3153.71	0.83	3805.74	465540.12	616448.29	
12578.00	90.52	303.96	8937.47	2183.49	-3232.43	0.18	3900.73	465593.29	616369.57	
12672.00	90.66	303.45	8936.50	2235.65	-3310.62	0.56	3994.72	465645.45	616291.38	
12767.00	90.31	302.95	8935.70	2287.67	-3390.11	0.64	4089.72	465697.47	616211.89	
12861.00	90.03	302.65	8935.42	2338.59	-3469.13	0.44	4183.70	465748.39	616132.87	



Weatherford International Ltd.

WFT Survey Report X & Y's

**Weatherford**

Company:	Occidental Permian Ltd	Date:	5/29/2012	Time:	08:43:44	Page:	3
Field:	Eddy Co, NM (Nad 27)	Co-ordinate(NE) Reference:	Well: Fed #1H; Grid North				
Site:	Goodnight 26 Fed #1H	Vertical (TVD) Reference:	SITE 3096.5				
Well:	Fed #1H	Section (VS) Reference:	Well (0.00N,0.00E,303.70Azi)				
Wellpath:	H2	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
12956.00	89.48	302.27	8935.82	2389.57	-3549.28	0.70	4278.68	465799.37	616052.72	
13050.00	89.62	301.55	8936.56	2439.26	-3629.07	0.78	4372.63	465849.06	615972.93	
13145.00	90.10	301.49	8936.79	2488.92	-3710.06	0.51	4467.56	465898.72	615891.94	
13293.00	90.38	301.24	8936.17	2565.95	-3836.43	0.25	4615.44	465975.75	615765.57	
13334.00	91.02	301.17	8935.67	2587.19	-3871.49	1.57	4656.40	465996.99	615730.51	
13429.00	90.46	301.40	8934.45	2636.52	-3952.67	0.64	4751.30	466046.32	615649.33	
13523.00	90.95	301.30	8933.29	2685.42	-4032.94	0.53	4845.22	466095.22	615569.06	
13618.00	91.64	301.54	8931.14	2734.94	-4113.99	0.77	4940.12	466144.74	615488.01	
13713.00	92.76	301.46	8927.50	2784.54	-4194.93	1.18	5034.97	466194.34	615407.07	
13807.00	91.85	302.40	8923.72	2834.21	-4274.64	1.39	5128.85	466244.01	615327.36	
13902.00	92.34	302.15	8920.24	2884.90	-4354.91	0.58	5223.76	466294.70	615247.09	
13997.00	93.12	302.22	8915.72	2935.45	-4435.22	0.82	5318.62	466345.25	615166.78	
14091.00	93.81	302.12	8910.04	2985.41	-4514.64	0.74	5412.41	466395.21	615087.36	
14186.00	94.38	301.95	8903.25	3035.67	-4594.97	0.63	5507.13	466445.47	615007.03	Last Wft Svy
14266.00	94.38	301.95	8897.14	3077.88	-4662.65	0.00	5586.86	466487.68	614939.35	Proj to Bit

Annotation

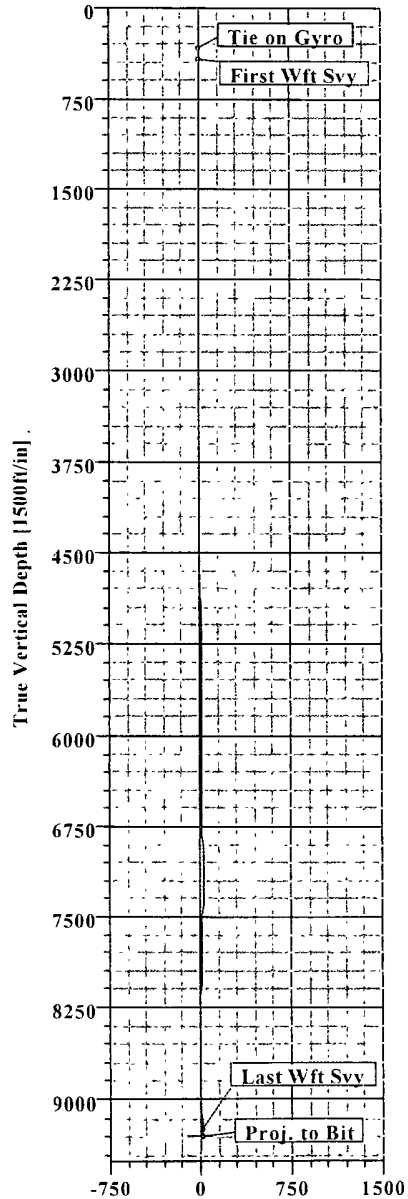
MD ft	TVD ft	
8246.00	8244.28	Tie on Wft
8255.00	8253.28	First Wft Svy
14186.00	8903.25	Last Wft Svy
14266.00	8897.14	Proj to Bit



Goodnight 26 Fed #1H Eddy Co, New Mexico



KB ELEV: 3096.5
GL ELEV: 3071.5



Vertical Section at 303.70° [1500ft/in]

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	9300.00	0.00	0.00	9300.00	0.00	0.00	0.00	0.00	0.00	PBHL Pilot

WELL DETAILS

Name	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
Fed #1H	0.00	0.00	463409.80	619602.00	32°16'24.375N	103°56'46.904W	N/A

TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting	Shape
PBHL Pilot	9300.00	0.00	0.00	463409.80	619602.00	Point

Survey: Wft Svy (Fed #1H/Pilot)

No	MD	Inc	Az	TVD	+N/-S	+E/-W	DLeg	TFace	VSec
102	9300.00	2.94	250.25	9297.81	8.58	-7.97	0.00	0.00	11.39

FIELD DETAILS

Eddy Co, NM (Nad 27)

Geodetic System: US State Plane Coordinate System 1927
Ellipsoid: NAD27 (Clarke 1866)
Zone: New Mexico, Eastern Zone
Magnetic Model: IGRF2010

System Datum: Mean Sea Level
Local North: Grid North

SITE DETAILS

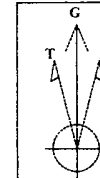
Goodnight 26 Fed #1H

Site Centre Northing: 463409.80
Easting: 619602.00

Ground Level: 3071.50
Positional Uncertainty: 0.00
Convergence: 0.21



Weatherford



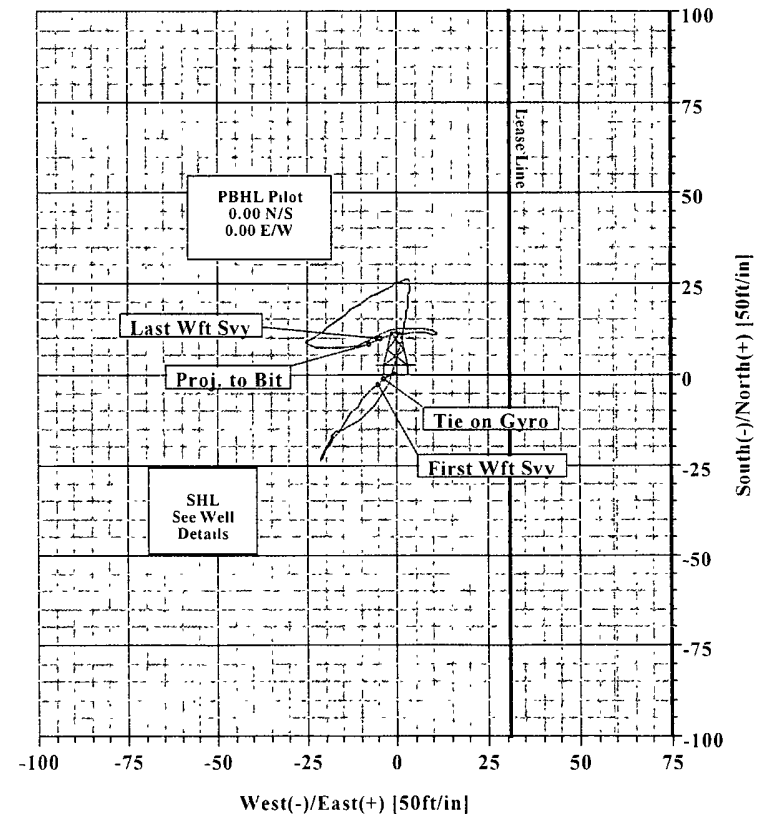
Azimuths to Grid North
True North: -0.21°
Magnetic North: 7.45°

Magnetic Field
Strength: 48542nT
Dip Angle: 60.15°
Date: 5/1/2012
Model: IGRF2010

Total Correction to Grid North: 7.45°

LEGEND

- Fed #1H, Pilot, Plan #2
- Pilot
- Wft Svy



Survey: Wft Svy (Fed #1H/Pilot)

Created By: Patrick Rudolph

Date: 5/30/2012

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	8246.00	1.39	94.26	8244.28	12.58	2.83	0.00	0.00	4.63	
2	8271.20	1.37	91.19	8269.47	12.55	3.43	0.30	256.07	4.11	
3	9424.02	91.06	303.47	9000.00	422.74	-599.71	8.00	-147.69	733.49	
4	14268.94	91.06	303.47	8910.00	3094.30	-4640.50	0.00	0.00	5577.54	PBHL

WELL DETAILS

Name	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
Fed #1H	0.00	0.00	463409.80	619602.00	32°16'24.375N	103°56'46.904W	N/A

TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting	Shape
PBHL	8910.00	3094.30	-4640.50	466504.10	614961.50	Point

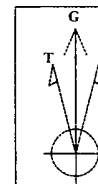
SITE DETAILS

Goodnight 26 Fed #1H
 Site Centre Northing: 463409.80
 Easting: 619602.00
 Ground Level: 3071.50
 Positional Uncertainty: 0.00
 Convergence: 0.21

KB ELEV: 3096.5
 GL ELEV: 3071.5



Goodnight 26 Fed #1H
 Eddy Co, New Mexico



Azimuths to Grid North
 True North: -0.21°
 Magnetic North: 7.45°

Magnetic Field
 Strength: 48542nT
 Dip Angle: 60.15°
 Date: 5/1/2012
 Model: IGRF2010

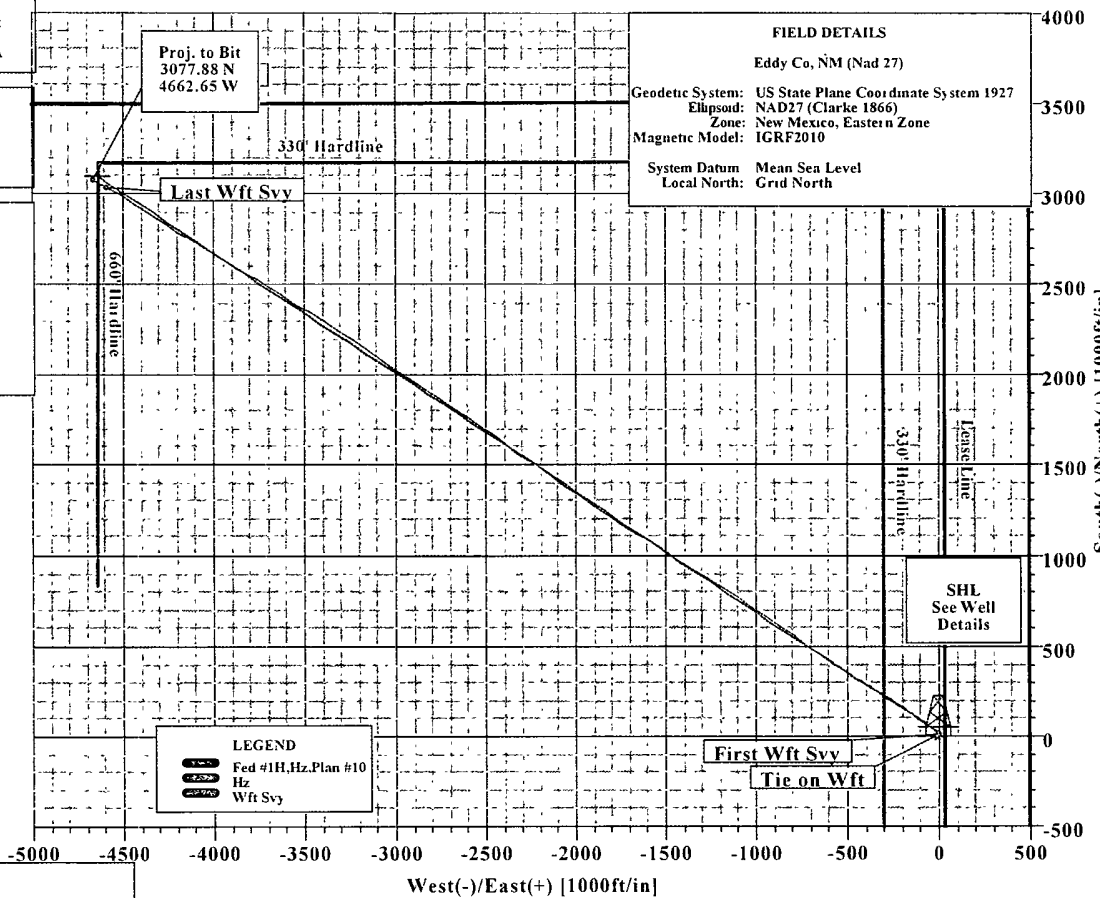
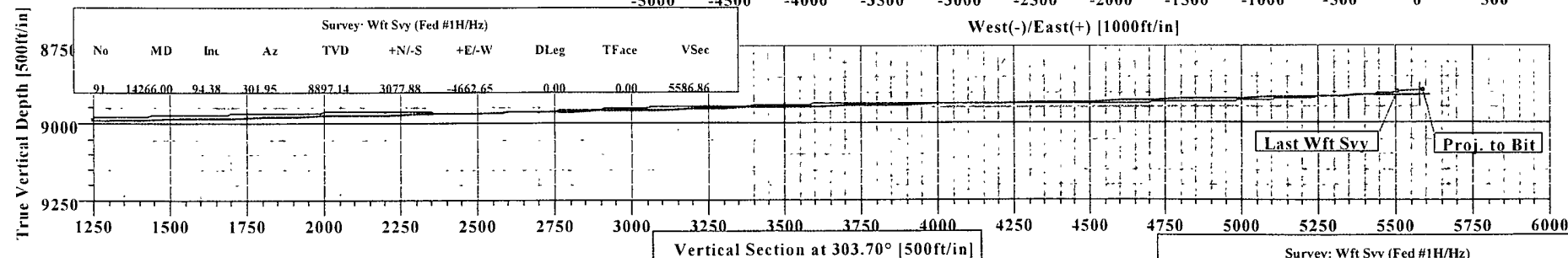
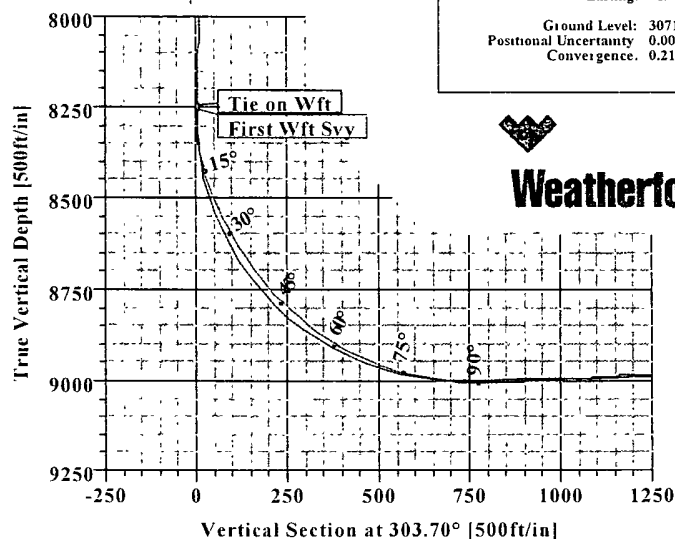
Total Correction to Grid North: 7.45°

FIELD DETAILS

Eddy Co, NM (Nad 27)

Geodetic System: US State Plane Coordinate System 1927
 Ellipsoid: NAD27 (Clarke 1866)
 Zone: New Mexico, Eastern Zone
 Magnetic Model: IGRF2010

System Datum: Mean Sea Level
 Local North: Grid North



Survey: Wft Svy (Fed #1H/Hz)

Created By: Patrick Rudolph

Date: 5/29/2012