

30-015-39456

OCCIDENTAL PERMIAN LTD.

Loving Brushy
Eddy County, NM
Bank "13" Federal Com #1H
VH - Job #32K0312313

Survey: Gyro

SDI Standard Survey Report

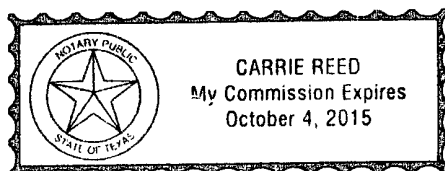
This survey is correct to the best of my knowledge and is supported by actual field data.

L. Wharton

Notarized this date 2nd of April, 2012.

Carrie Reed

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 Bank "13" Federal Com #1H
Project:	Loving Brushy	TVD Reference:	WELL @ 0 0usft (Original Well Elev)
Site:	Eddy County, NM	MD Reference:	WELL @ 0 0usft (Original Well Elev)
Well:	Bank "13" Federal Com #1H	North Reference:	Grid
Wellbore:	VH - Job #32K0312313	Survey Calculation Method:	Minimum Curvature
Design:	VH - Job #32K0312313	Database:	EDM-Regulatory

Project:	Loving Brushy		
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:	472,930 81 usft	Latitude:	32° 17' 59 496 N
From:	Lat/Long	Easting:	590,965 39 usft	Longitude:	104° 2' 20 148 W
Position Uncertainty:	0 0 usft	Slot Radius:	13-3/16"	Grid Convergence:	0 16 °

Well:	Bank "13" Federal Com #1H, Directional (Weatherford)					
Well Position	+N/-S	0 0 usft	Northing:	472,930 81 usft	Latitude:	32° 17' 59 496 N
	+E/-W	0 0 usft	Easting:	590,965 39 usft	Longitude:	104° 2' 20 148 W
Position Uncertainty		0 0 usft	Wellhead Elevation:	usft	Ground Level:	0 0 usft

Wellbore		VH - Job #32K0312313			
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	3/18/2012	7 71	60 16	48,560

Design:	VH - Job #32K0312313				
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	0 0	142 68	

Survey Program		Date 4/10/2012		
From	To			
(usft)	(usft)	Survey (Wellbore)	Tool Name	Description
82 7	195 6	Gyro (VH - Job #32K0312313)	Keeper	Keeper Surface Readout

Survey								
Measured Depth	Inclination	Azimuth	True Vertical	North/South	East/West	Closure Azimuth	Closure Distance	
(usft)	(°)	(°)	Depth	(usft)	(usft)	(°)	(usft)	
0 0	0 00	0 00	0 0	0 0	0 0	0 00	0 0	
82 7	0 49	112 59	82 7	-0 1	0 3	112 59	0 4	
195 6	1 81	156 28	195 6	-2 0	1 5	142 68	2 5	

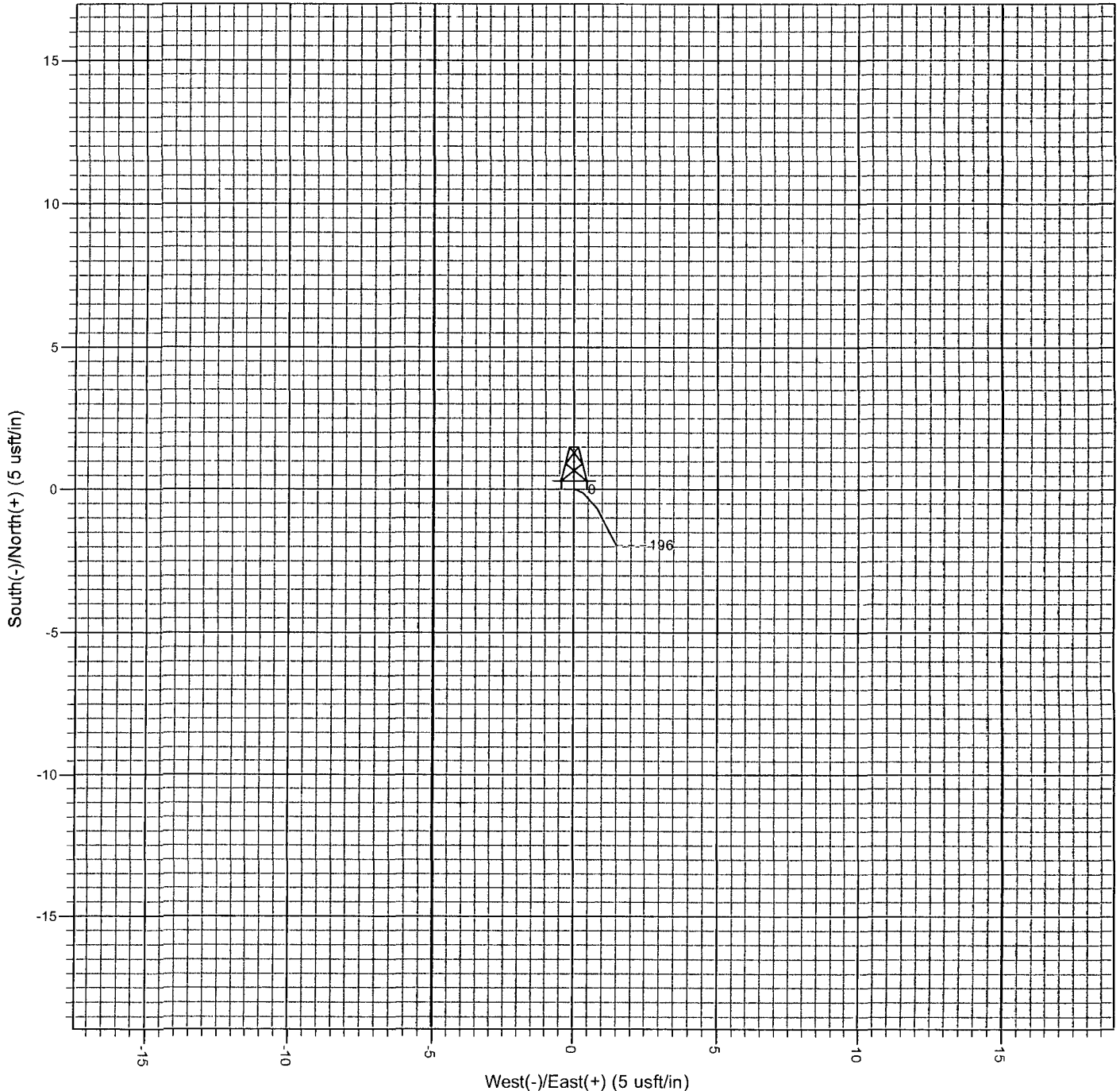


Scientific Drilling
Directional Drilling Operations

Project: Loving Brushy
Eddy County, NM
Well: Bank "13" Federal Com #1H
Wellbore: VH - Job #32K0312313
Design: VH - Job #32K0312313

WELL DETAILS: Bank "13" Federal Com #1H
WELL @ 0.0usft (Original Well Elev)

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0.0	0.0	472930.81	590965.39	32° 17' 59.496 N	104° 2' 20.148 W	



PROJECT DETAILS: Loving Brushy	SITE DETAILS: Eddy County, NM
Geodetic System: US State Plane 1927 (Exact solution)	Site Centre Latitude: 32° 17' 59.496 N
Datum: NAD 1927 (NADCON CONUS)	Longitude: 104° 2' 20.148 W
Ellipsoid: Clarke 1866	Positional Uncertainty: 0.0
Zone: New Mexico East 3001	Convergence: 0.16
System Datum: Mean Sea Level	Local North Grid



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: April 16, 2012

Attention: Bradley Brown

Re: Occidental Permian Ltd
Well: Bank 13 Fed. #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:

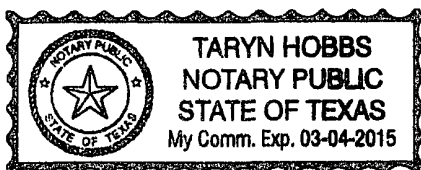
Name & Title Of Surveyor	Well Number	Surveyed Depths	Dates Performed	Type of Survey
Seth Cash	1	298' MD	3/19/2012	Measurement
MWD Supervisor		9865' MD	4/14/2012	While Drilling

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 18th day of April, 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 hereof, I hereunto set my hand and official seal.

Notary Public



Occidental Permian Ltd.
Bank 13 Fed #1H
Eddy Co, NM

SECTION DETAILS										
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.00	0.00	4.44	0.00	0.00	0.00	0.00	0.00	0.00	
2	5070.07	0.00	4.44	5070.07	0.00	0.00	0.00	0.00	0.00	
3	6570.07	90.00	4.44	6025.00	952.06	73.93	6.00	4.44	954.93	
4	9956.57	90.00	4.44	6025.00	4328.40	336.10	0.00	0.00	4341.43	PBHL

WELL DETAILS							
Name+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot	
1H	0.00	0.00	472953.50	591241.10	32°17'59.713N	104°02'16.935W	N/A

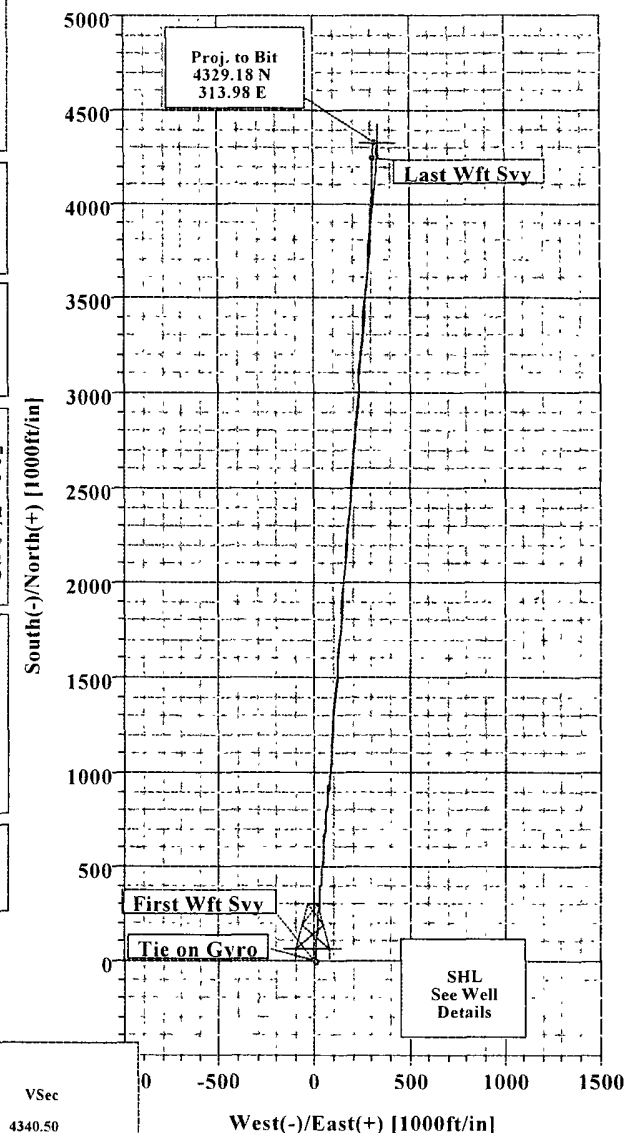
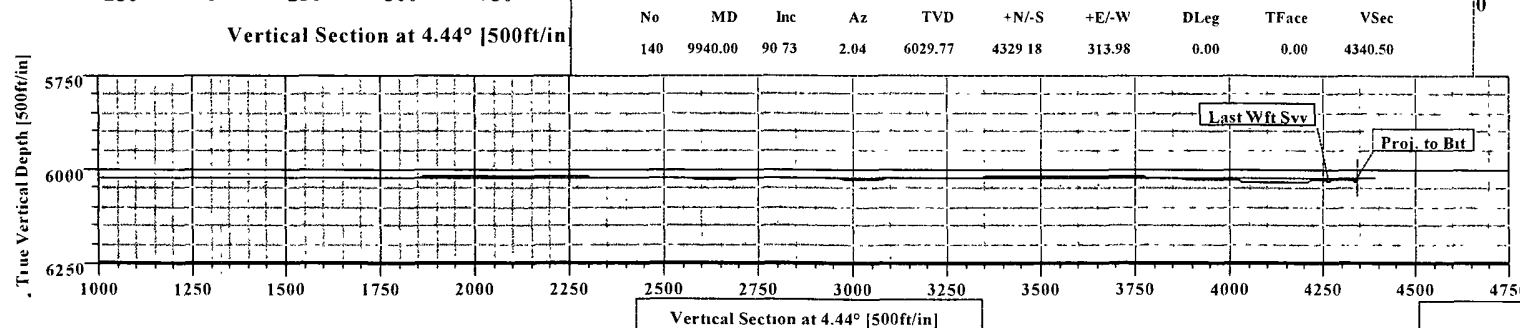
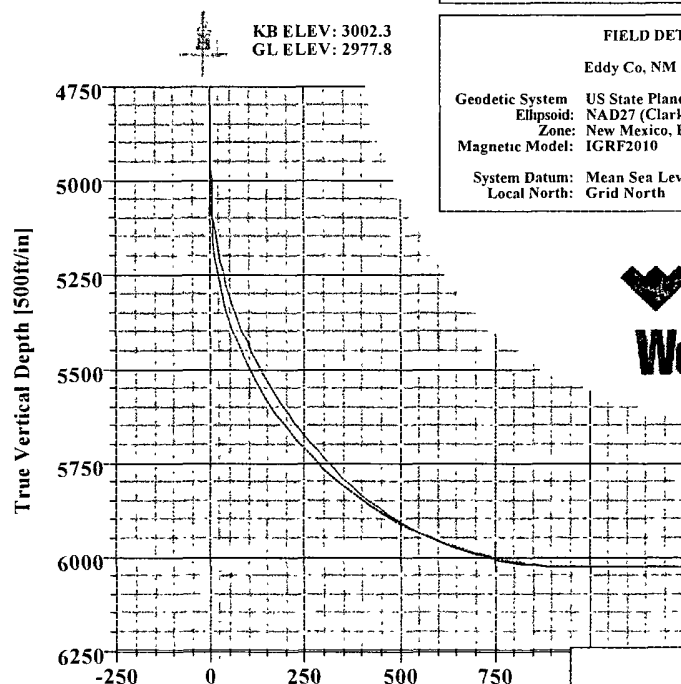
TARGET DETAILS						
Name	TVD	+N/-S	+E/-W	Northing	Easting	Shape
PBHL	6025.00	4328.40	336.10	477281.90	591577.20	Point

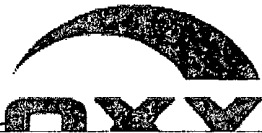
FIELD DETAILS	
Eddy Co, NM (Nad 27)	
Geodetic System	US State Plane Coordinate System 1927
Ellipsoid:	NAD27 (Clarke 1866)
Zone:	New Mexico, Eastern Zone
Magnetic Model:	IGRF2010
System Datum:	Mean Sea Level
Local North:	Grid North

	Azimuths to Grid North True North: -0.16° Magnetic North: 7.55°
	Magnetic Field Strength: 48556nT Dip Angle: 60.16° Date: 4/1/2012 Model: IGRF2010
	Total Correction to Grid North: 7.55°

SITE DETAILS	
Bank 13 Fed. #1H	
Site Centre Northing:	472953.50
Easting:	591241.10
Ground Level:	2977.80
Positional Uncertainty:	0.00
Convergence:	0.16

LEGEND	
	1H.1, Plan #2
	Wft Svy





Weatherford International Ltd.

WFT Survey Report X & Y's



Weatherford

Company: Occidental Permian Ltd.	Date: 4/16/2012	Time: 10:21:03	Page: 1
Field: Eddy Co, NM (Nad 27)	Co-ordinate(NE) Reference:	Well: 1H Grid North	
Site: Bank 13 Fed. #1H	Vertical (TVD) Reference:	SITE 3002.3	
Well: 1H	Section (VS) Reference:	Well (0.00N 0.00E 4.44Azi)	
Wellpath: 1	Survey Calculation Method:	Minimum Curvature	Db: Sybase

Survey: Wft Svy	Start Date: 3/22/2012
-----------------	-----------------------

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: Bank 13 Fed #1H

Site Position:	Northing: 472953.50 ft	Latitude: 32 17 59.713 N
From: Map	Easting: 591241 10 ft	Longitude: 104 2 16 935 W
Position Uncertainty: 0 00 ft	North Reference: Grid	
Ground Level: 2977 80 ft	Grid Convergence: 0 16 deg	

Well: 1H	Slot Name:
----------	------------

Well Position: +N/-S 0.00 ft	Northing: 472953 50 ft	Latitude: 32 17 59 713 N
+E/-W 0 00 ft	Easting: 591241 10 ft	Longitude: 104 2 16 935 W
Position Uncertainty: 0 00 ft		

Wellpath: 1	Drilled From: Surface
Current Datum: SITE	Tie-on Depth: 0.00 ft
Magnetic Data: 4/1/2012	Above System Datum: Mean Sea Level
Field Strength: 48556 nT	Declination: 7.71 deg
Vertical Section: Depth From (TVD)	Mag Dip Angle: 60 16 deg
ft	+N/-S
	ft
0.00	0 00
	ft
	0 00
	ft
	0 00
	ft
	4 44

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
195.59	1.81	156.28	195.57	-1.95	1.49	0.00	-1.83	472951.55	591242.59	Tie on Gyro
255.00	2.05	158.11	254.94	-3.80	2.26	0.41	-3.61	472949.70	591243.36	Csg
298.00	2.22	159.19	297.91	-5.29	2.84	0.41	-5.05	472948.21	591243.94	First Wft Svy
390.00	1.77	148.83	389.86	-8.17	4.21	0.62	-7.82	472945.33	591245.31	
422.00	1.30	152.96	421.84	-8.92	4.63	1.51	-8.53	472944.58	591245.73	
515.00	1.33	153.36	514.82	-10.82	5.60	0.03	-10.35	472942.68	591246.70	
606.00	0.82	139.81	605.80	-12.26	6.49	0.62	-11.72	472941.24	591247.59	
700.00	0.77	145.25	699.79	-13.29	7.29	0.10	-12.69	472940.21	591248.39	
763.00	0.36	342.87	762.79	-13.45	7.47	1.78	-12.83	472940.05	591248.57	
856.00	0.20	350.75	855.79	-13.01	7.36	0.18	-12.41	472940.49	591248.46	
951.00	0.05	42.56	950.79	-12.82	7.36	0.18	-12.21	472940.68	591248.46	
1045.00	0.18	320.82	1044.79	-12.67	7.29	0.19	-12.07	472940.83	591248.39	
1140.00	0.35	317.44	1139.79	-12.35	7.00	0.18	-11.77	472941.15	591248.10	
1234.00	0.36	312.90	1233.79	-11.93	6.59	0.03	-11.39	472941.57	591247.69	
1329.00	0.33	302.53	1328.79	-11.58	6.14	0.07	-11.07	472941.92	591247.24	
1424.00	0.82	325.89	1423.78	-10.87	5.53	0.56	-10.41	472942.63	591246.63	
1519.00	0.86	344.98	1518.77	-9.62	4.96	0.30	-9.21	472943.88	591246.06	
1614.00	0.89	319.89	1613.76	-8.37	4.30	0.40	-8.01	472945.13	591245.40	
1709.00	0.18	327.98	1708.76	-7.68	3.75	0.75	-7.36	472945.82	591244.85	
1803.00	0.32	172.66	1802.76	-7.81	3.70	0.52	-7.50	472945.69	591244.80	
1898.00	0.60	155.24	1897.75	-8.53	3.95	0.33	-8.20	472944.97	591245.05	
1993.00	0.55	132.69	1992.75	-9.29	4.49	0.24	-8.91	472944.21	591245.59	
2088.00	0.69	35.37	2087.74	-9.13	5.16	0.98	-8.70	472944.37	591246.26	
2183.00	1.10	38.07	2182.73	-7.95	6.05	0.43	-7.45	472945.55	591247.15	



Weatherford International Ltd.

WFT Survey Report X & Y's



Weatherford

Company: Occidental Permian Ltd.	Date: 4/16/2012	Time: 10:21:03	Page: 2
Field: Eddy Co. NM (Nad 27)	Co-ordinate(NE) Reference:	Well: 1H: Grid North	
Site: Bank 13 Fed. #1H	Vertical (TVD) Reference:	SITE 3002.3	
Well: 1H	Section (VS) Reference:	Well (0.00N 0.00E 4.44Az)	
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
2277.00	1 61	29 92	2276 71	-6 09	7 26	0 58	-5 51	472947.41	591248 36	
2561 00	1 03	37.03	2560.63	-0 60	10.79	0 21	0 24	472952 90	591251.89	
2593.00	1 06	38 78	2592.62	-0 14	11 15	0 14	0 73	472953.36	591252 25	
2656 00	1 01	35.34	2655 61	0 77	11.84	0 13	1 69	472954 27	591252 94	
2751 00	0 69	20 12	2750 60	1 99	12.52	0 41	2 95	472955 49	591253 62	
2833 00	0 79	18.19	2832.60	2 99	12.86	0 13	3 98	472956.49	591253.96	
2910.00	0 70	9 06	2909.59	3 96	13 10	0 19	4 96	472957.46	591254 20	Csg
2938.00	0 67	5 16	2937 59	4 29	13 15	0 19	5 30	472957.79	591254 25	
3001.00	0 69	8 28	3000 58	5 03	13 23	0 07	6 04	472958 53	591254 33	
3096 00	0 90	319 26	3095 58	6 16	12.83	0 72	7 14	472959 66	591253 93	
3190 00	0 65	310.01	3189.57	7 07	11.94	0 30	7 97	472960 57	591253 04	
3285 00	0 94	304.26	3284.56	7 85	10.88	0 32	8 67	472961.35	591251.98	
3380.00	0 46	302.50	3379.55	8 50	9 92	0 51	9 24	472962 00	591251 02	
3475.00	0 52	307 34	3474 55	8 96	9 25	0 08	9 65	472962 46	591250 35	
3569 00	0 99	243.26	3568 54	8 86	8 19	0 95	9 46	472962 36	591249.29	
3664.00	0 89	242 59	3663 53	8 15	6.80	0 11	8 65	472961 65	591247 90	
3759 00	1 36	223.09	3758.51	6 98	5 37	0 63	7 38	472960.48	591246 47	
3853.00	1 31	226 68	3852.48	5 43	3 83	0 10	5 71	472958 93	591244 93	
3948 00	1 43	225.51	3947 46	3 86	2 19	0 13	4 01	472957 36	591243.29	
4043 00	1 24	228 56	4042.43	2 34	0 58	0 21	2 38	472955.84	591241 68	
4137 00	0 53	242 42	4136 42	1 47	-0 57	0 78	1 42	472954 97	591240 53	
4231.00	0 50	226 37	4230.42	0 99	-1 25	0 16	0 89	472954.49	591239.85	
4325.00	0 53	226.41	4324 41	0 40	-1 86	0 03	0 26	472953 90	591239.24	
4420 00	0 46	223 18	4419 41	-0 18	-2 44	0 08	-0 37	472953 32	591238 66	
4515 00	0 49	218.14	4514 40	-0 78	-2 95	0 05	-1 00	472952 72	591238 15	
4609.00	0 40	220 21	4608 40	-1 34	-3 41	0 10	-1 60	472952 16	591237 69	
4703.00	0 25	216 80	4702 40	-1 76	-3 75	0 16	-2 04	472951 74	591237 35	
4798 00	0 46	26 85	4797 40	-1 58	-3 70	0 74	-1 86	472951 92	591237 40	
4893 00	0 58	37 00	4892 40	-0 86	-3 24	0 16	-1 11	472952 64	591237 86	
4956 00	0 61	31 87	4955 39	-0 32	-2 87	0 10	-0 54	472953 18	591238 23	
4968.00	0 80	29 52	4967 39	-0 19	-2 80	1 60	-0 41	472953 31	591238 30	
5000.00	0 96	23 64	4999 39	0 25	-2 58	0 57	0 05	472953 75	591238 52	
5032 00	0 93	24 56	5031 38	0 73	-2 36	0 11	0 55	472954 23	591238 74	
5063.00	2 14	14 61	5062 37	1 52	-2 11	3 98	1 35	472955 02	591238 99	
5095.00	5 00	10 48	5094 31	3 47	-1 71	8 97	3 33	472956 97	591239 39	
5126 00	7 88	6 94	5125 11	6 91	-1 20	9 37	6 79	472960 41	591239 90	
5157 00	10 46	5 04	5155 71	11 82	-0 70	8 38	11 73	472965 32	591240 40	
5189 00	12 33	3 72	5187 08	18 12	-0 22	5 90	18 05	472971 62	591240 88	
5220.00	14 20	2 84	5217 25	25 23	0 18	6 07	25 16	472978 73	591241 28	
5252 00	15 39	3 05	5248 19	33 39	0 60	3 72	33 33	472986 89	591241 70	
5283 00	15 55	3 58	5278 06	41 64	1 08	0 69	41 60	472995 14	591242 18	
5315.00	16 91	2 64	5308 79	50 57	1 56	4 33	50 54	473004 07	591242 66	
5347 00	18 95	2 67	5339 23	60 41	2 02	6 38	60 39	473013 91	591243 12	
5378.00	21 14	3 72	5368 35	71 02	2 61	7 16	71 01	473024 52	591243 71	
5410 00	22 50	3 56	5398 06	82 89	3 37	4 25	82 90	473036 39	591244 47	
5441.00	24 05	4 76	5426 54	95 11	4 26	5 23	95 15	473048 61	591245 36	
5473.00	25 83	4 97	5455 55	108 55	5 41	5 57	108 64	473062 05	591246 51	
5504 00	27 43	5 74	5483 26	122 38	6 71	5 28	122 53	473075 88	591247 81	
5536 00	29 10	6 68	5511 44	137 45	8 35	5 40	137 68	473090 95	591249 45	
5568 00	30 94	6 09	5539 15	153 36	10 13	5 82	153 68	473106 86	591251 23	
5599 00	31 63	5 93	5565 64	169 37	11 81	2 24	169 77	473122 87	591252 91	
5631 00	33 62	5 42	5592 59	186 53	13 52	6 28	187 02	473140 03	591254 62	



Weatherford International Ltd.

WFT Survey Report X & Y's



Weatherford

Company: Occidental Permian Ltd.	Date: 4/16/2012	Time: 10:21:03	Page: 3
Field: Eddy Co. NM (Nad 27)	Co-ordinate(NE) Reference:	Well: 1H, Grid North	
Site: Bank 13 Fed. #1H	Vertical (TVD) Reference:	SITE 3002.3	
Well: 1H	Section (VS) Reference:	Well (0.00N,0.00E,4.44Azi)	
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
5663.00	35.23	5.46	5618.99	204.54	15.23	5.03	205.11	473158.04	591256.33	
5694.00	37.06	4.86	5644.02	222.75	16.87	6.01	223.39	473176.25	591257.97	
5726.00	38.51	4.96	5669.31	242.28	18.55	4.54	242.99	473195.78	591259.65	
5757.00	39.79	4.09	5693.35	261.79	20.09	4.49	262.56	473215.29	591261.19	
5789.00	40.45	4.49	5717.82	282.36	21.64	2.21	283.18	473235.86	591262.74	
5821.00	41.76	4.37	5741.93	303.33	23.26	4.10	304.22	473256.83	591264.36	
5852.00	43.52	4.87	5764.74	324.26	24.95	5.78	325.22	473277.76	591266.05	
5884.00	45.74	5.04	5787.51	346.66	26.90	6.95	347.70	473300.16	591268.00	
5916.00	47.42	5.53	5809.50	369.80	29.04	5.37	370.94	473323.30	591270.14	
5947.00	49.70	5.26	5830.02	392.93	31.22	7.38	394.17	473346.43	591272.32	
5978.00	51.50	5.72	5849.69	416.78	33.51	5.92	418.12	473370.28	591274.61	
6010.00	54.65	5.45	5868.91	442.24	36.00	9.87	443.70	473395.74	591277.10	
6041.00	56.68	4.25	5886.40	467.74	38.16	7.29	469.29	473421.24	591279.26	
6073.00	58.79	4.21	5903.48	494.72	40.16	6.59	496.35	473448.22	591281.26	
6105.00	61.31	3.76	5919.46	522.38	42.08	7.97	524.07	473475.88	591283.18	
6136.00	63.53	3.64	5933.81	549.80	43.86	7.17	551.54	473503.30	591284.96	
6168.00	65.48	3.63	5947.58	578.62	45.69	6.09	580.42	473532.12	591286.79	
6200.00	67.67	3.62	5960.30	607.93	47.55	6.84	609.78	473561.43	591288.65	
6231.00	69.70	3.75	5971.57	636.74	49.40	6.56	638.66	473590.24	591290.50	
6263.00	72.19	4.49	5982.02	666.91	51.58	8.08	668.90	473620.41	591292.68	
6294.00	74.18	5.04	5990.98	696.48	54.04	6.64	698.57	473649.98	591295.14	
6326.00	76.70	4.85	5999.03	727.33	56.71	7.90	729.54	473680.83	591297.81	
6357.00	79.13	5.14	6005.52	757.53	59.35	7.89	759.85	473711.03	591300.45	
6389.00	80.56	5.57	6011.16	788.89	62.29	4.66	791.35	473742.39	591303.39	
6420.00	81.83	6.11	6015.90	819.37	65.41	4.44	821.97	473772.87	591306.51	
6452.00	84.50	5.96	6019.71	850.96	68.75	8.36	853.73	473804.46	591309.85	
6483.00	87.52	5.91	6021.87	881.71	71.94	9.74	884.64	473835.21	591313.04	
6515.00	89.83	5.97	6022.61	913.53	75.25	7.22	916.62	473867.03	591316.35	
6547.00	89.97	6.14	6022.66	945.35	78.63	0.69	948.60	473898.85	591319.73	
6642.00	88.71	2.35	6023.76	1040.07	85.66	4.20	1043.58	473993.57	591326.76	
6737.00	89.90	2.65	6024.91	1134.97	89.80	1.29	1138.51	474088.47	591330.90	
6831.00	89.97	3.15	6025.02	1228.85	94.56	0.54	1232.48	474182.35	591335.66	
6926.00	89.97	4.52	6025.07	1323.63	100.91	1.44	1327.47	474277.13	591342.01	
7021.00	91.01	4.39	6024.25	1418.34	108.29	1.10	1422.47	474371.84	591349.39	
7116.00	90.59	4.61	6022.93	1513.04	115.75	0.50	1517.46	474466.54	591356.85	
7211.00	90.73	4.39	6021.83	1607.74	123.20	0.27	1612.45	474561.24	591364.30	
7306.00	89.48	3.69	6021.66	1702.50	129.89	1.51	1707.45	474656.00	591370.99	
7400.00	90.80	3.86	6021.43	1796.29	136.08	1.42	1801.44	474749.79	591377.18	
7496.00	90.10	4.66	6020.68	1892.02	143.21	1.11	1897.43	474845.52	591384.31	
7591.00	91.50	4.93	6019.35	1986.68	151.15	1.50	1992.42	474940.18	591392.25	
7685.00	90.10	4.33	6018.04	2080.36	158.74	1.62	2086.41	475033.86	591399.84	
7780.00	89.13	4.26	6018.68	2175.09	165.85	1.02	2181.40	475128.59	591406.95	
7875.00	88.85	5.11	6020.35	2269.76	173.61	0.94	2276.39	475223.26	591414.71	
7970.00	89.13	4.35	6022.03	2364.42	181.44	0.85	2371.37	475317.92	591422.54	
8065.00	88.43	3.66	6024.05	2459.17	188.08	1.03	2466.35	475412.67	591429.18	
8160.00	89.34	4.00	6025.90	2553.93	194.42	1.02	2561.32	475507.43	591435.52	
8254.00	90.24	4.03	6026.24	2647.70	201.00	0.96	2655.32	475601.20	591442.10	
8349.00	90.94	4.89	6025.26	2742.41	208.39	1.17	2750.31	475695.91	591449.49	
8444.00	89.34	4.87	6025.03	2837.06	216.47	1.68	2845.30	475790.56	591457.57	
8538.00	89.62	3.42	6025.88	2930.81	223.26	1.57	2939.30	475884.31	591464.36	
8633.00	90.03	4.36	6026.17	3025.59	229.71	1.08	3034.29	475979.09	591470.81	
8728.00	90.66	3.74	6025.60	3120.35	236.42	0.93	3129.28	476073.85	591477.52	
8822.00	91.08	4.45	6024.17	3214.10	243.13	0.88	3223.27	476167.60	591484.23	



Weatherford International Ltd.

WFT Survey Report X & Y's



Weatherford

Company: Occidental Permian Ltd
Field: Eddy Co. NM (Nad 27)
Site: Bank 13 Fed. #1H
Well: 1H
Wellpath: 1

Date: 4/16/2012 Time: 10:21:03 Page: 4
Co-ordinate(N/E) Reference: Well: 1H Grid North
Vertical (TVD) Reference: SITE 3002.3
Section (VS) Reference: Well (0.00N,0.00E,4.44Azi)
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
8917.00	91.85	5.07	6021.75	3308.74	251.01	1.04	3318.24	476262.24	591492.11	
9012.00	91.08	5.06	6019.32	3403.33	259.40	0.81	3413.20	476356.83	591500.50	
9106.00	90.17	5.18	6018.29	3496.95	267.78	0.98	3507.19	476450.45	591508.88	
9201.00	89.20	5.50	6018.81	3591.54	276.62	1.08	3602.17	476545.04	591517.72	
9296.00	90.31	4.84	6019.22	3686.15	285.18	1.36	3697.16	476639.65	591526.28	
9391.00	86.75	2.87	6021.66	3780.88	291.57	4.28	3792.11	476734.38	591532.67	
9485.00	87.10	2.53	6026.70	3874.64	295.99	0.52	3885.93	476828.14	591537.09	
9517.00	87.72	2.33	6028.15	3906.58	297.35	2.04	3917.87	476860.08	591538.45	
9580.00	88.43	2.40	6030.26	3969.49	299.94	1.13	3980.80	476922.99	591541.04	
9675.00	89.90	3.18	6031.65	4064.36	304.57	1.75	4075.74	477017.86	591545.67	
9770.00	90.24	1.46	6031.53	4159.28	308.41	1.85	4170.68	477112.78	591549.51	
9865.00	90.73	2.04	6030.73	4254.23	311.31	0.80	4265.57	477207.73	591552.41	Last Wft Svy
9940.00	90.73	2.04	6029.77	4329.18	313.98	0.00	4340.50	477282.68	591555.08	Proj. to Bit

Annotation

MD ft	TVD ft	
195.59	195.57	Tie on Gyro
298.00	297.91	First Wft Svy
9865.00	6030.73	Last Wft Svy
9940.00	6029.77	Proj. to Bit

OXY USA Inc.
Bank 13 Federal Com #1H
API No. 30-015-39456

