

Results of Directional Survey

D

API number:	30-025-11386			
OGRID:		Operator:	OXY USA INC	
		Property:	HODGES B	# 5

surface	ULSTR:	K	01	T 25S	R 37E
				1642 FSL	1660 FWL

BH Loc	ULSTR:	L	01	T 25S	R 37E
7941	MD	7827.0	TVD	2250 FSL	966 FWL

Top Perf/OH	ULSTR:	K	01	T 25S	R 37E
7230	MD	7123.1	TVD	2125 FSL	1129 FWL

Bot Perf/OH	ULSTR:	L	01	T 25S	R 37E
7240	MD	7162.6	TVD	2134 FSL	1123 FWL

	MD	N/S	E/W	VD
	7225	487.43	-533.97	7142.4
TOP PERFS/OH	7230	483.13	-531.12	7123.08
	7223	489.15	-535.11	7150.13
	7223	489.15	-535.11	7150.13
BOT PERFS/OH	7240	491.93	-536.99	7162.64
	7265	496.02	-539.76	7181.04

NEXT TO LAST	7868	601.42	-671.73	7757.98
LAST READING	7941	608.48	-694.34	7827.03
TD	7941	608.48	-694.34	7827.03

Surface Location	1642	FS	1660	FW
Projected BHL	2250	FS	966	FW
Location of				
Top Perfs/OH	2125	FS	1129	FW
Bottom Perfs/OH	2134	FS	1123	FW

SUMMARY of Subsurface Locations

Surface Location	K-01-25S-37E	1642	FS	1660	FW	Vert. Depth
Top Perfs/OH	K-01-25S-37E	2125	FS	1129	FW	7123.08
Bottom Perfs/OH	L-01-25S-37E	2134	FS	1123	FW	7162.64
Projected TD	L-01-25S-37E	2250	FS	966	FW	7827.03

SEP 05 2014,



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: February 6, 2012

Attention: Luis Tarazona

Re: Occidental Permian Ltd
Well: Hodges B #5 Re-Entry
Lea 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:

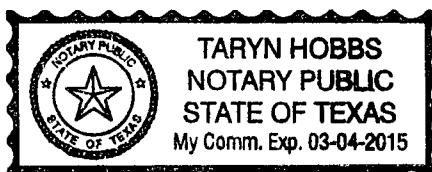
<u>Name & Title Of Surveyor</u>	<u>Well Number</u>	<u>Surveyed Depths</u>	<u>Dates Performed</u>	<u>Type of Survey</u>
Clete Bayer MWD Supervisor	5	5021' MD 7868' MD	1/18/2012 2/4/2012	Measurement While Drilling

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.

Jesse Aguilar
MWD coordinator

On this, the 13th day of February, 2012, 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



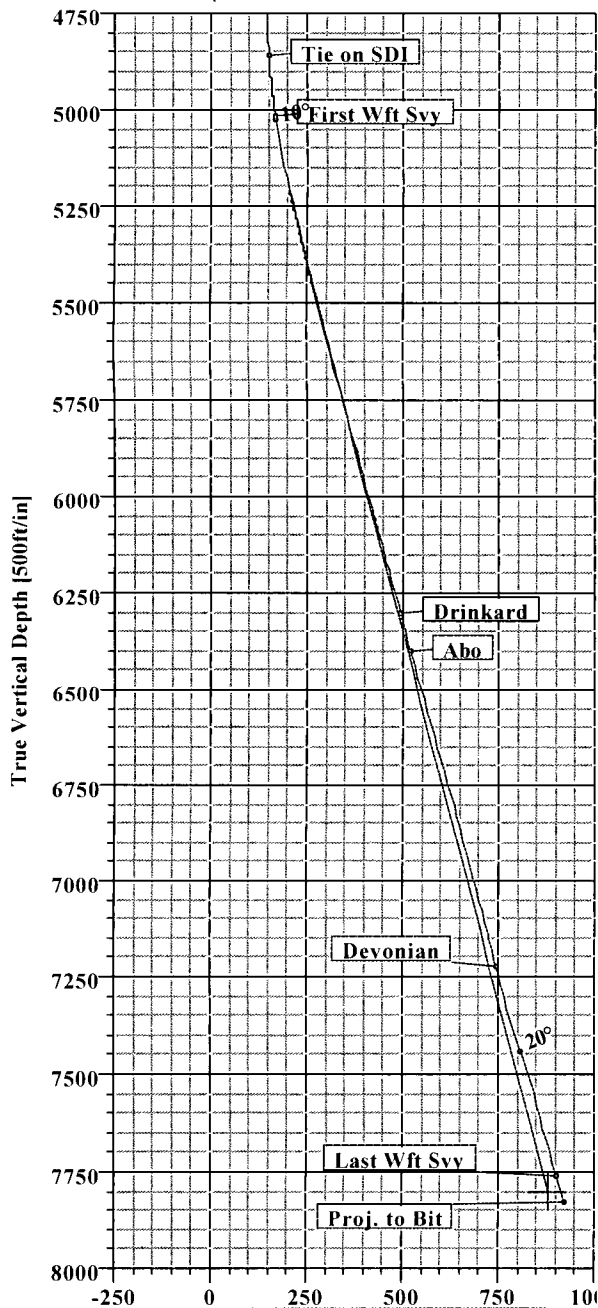
Occidental Permian Ltd.
Hodges B #5 Re Entry
Lea Co., NM

FORMATION TOP DETAILS

No.	TVDPath	MDPath	Formation
1	6300.00	6350.24	Drinkard
2	6400.00	6454.00	Abo
3	7225.00	7310.47	Devonian



KB ELEV: 3128.50
 GL ELEV: 3112.00



Vertical Section at 314.09° [500ft/in]

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	5221.00	13.64	303.71	5209.20	64.27	-220.76	0.00	0.00	203.27	
2	5477.13	14.87	324.02	5457.60	107.66	-265.23	2.00	86.11	265.41	
3	7900.75	14.87	324.02	7800.00	611.10	-630.80	0.00	0.00	878.27	PBHL

TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting	Shape
PBHL	7800.00	611.10	-630.80	423370.00	875081.00	Circle (Radius: 50)

WELL DETAILS

Name	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
Hodges B #5 Re Entry	0.00	0.00	422758.90	875711.80	32°09'23.244N	103°07'09.526W	N/A

SITE DETAILS

Hodges B #5 Re Entry

Site Centre Northing: 422758.90
 Easting: 875711.80

Ground Level: 3112.00
 Positional Uncertainty: 0.00
 Convergence: 0.65

FIELD DETAILS

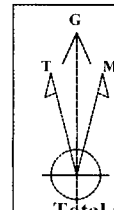
Lea Co, New Mexico (Nad 27)

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



Weatherford



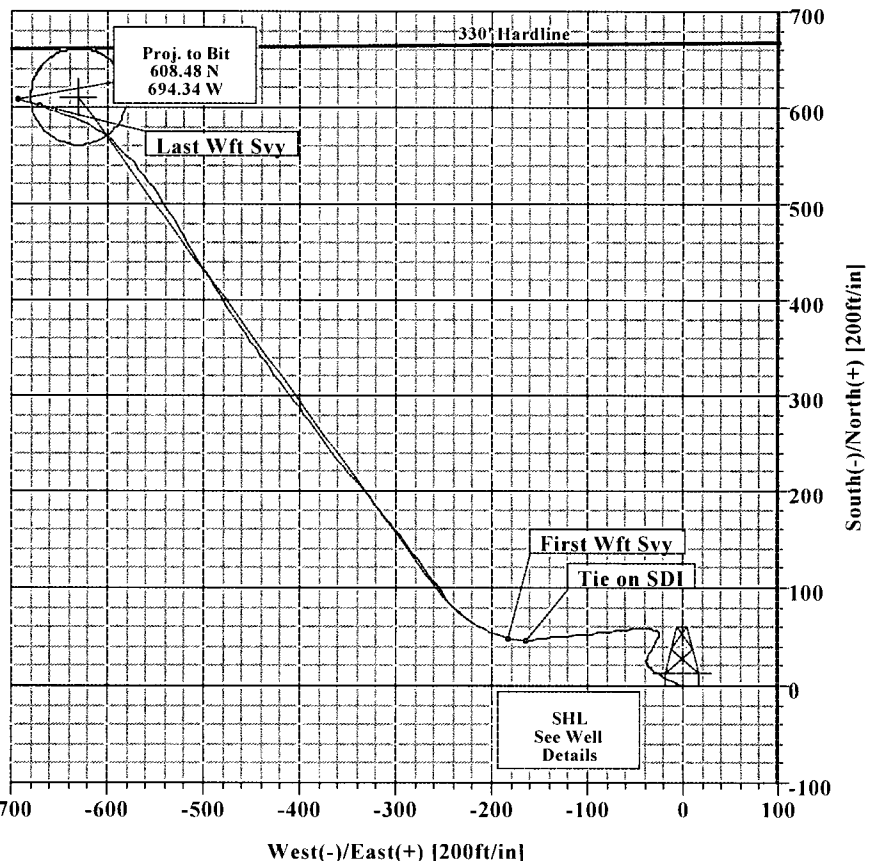
Azimuths to Grid North
 True North: -0.65°
 Magnetic North: 6.65°

Magnetic Field
 Strength: 48592nT
 Dip Angle: 60.19°
 Date: 1/15/2012
 Model: IGRF2010

Total Correction To Grid North 6.65°

Survey: Wft Svy (Hodges B #5 Re Entry/I)

No	MD	Inc	Az	TVD	+N/-S	+E/-W	DLeg	TFace	VSec
90	7941.00	18.93	287.33	7827.03	608.48	-694.34	0.00	180.00	922.08



Survey: Wft Svy (Hodges B #5 Re Entry/I)

Created By: Keith Noack

Date: 2/6/2012



Weatherford International Ltd.

WFT Survey Report X & Y's



Weatherford

Company: Occidental Permian Ltd.	Date: 2/6/2012	Time: 07:07:48	Page: 1
Field: Lea Co, New Mexico (Nad 27)	Co-ordinate(NE) Reference:	Well: Hodges B #5 Re Entry, Grid North	
Site: Hodges B #5 Re Entry	Vertical (TVD) Reference:	SITE 3128.5	
Well: Hodges B #5 Re Entry	Section (VS) Reference:	Well (0.00N,0.00E,314.09Azi)	
Wellpath: 1	Survey Calculation Method:	Minimum Curvature	Db: Sybase

Survey: Wft Svy	Start Date: 1/22/2012
Company: Weatherford International Ltd.	Engineer: Keith Noack
Tool: MWD;MWD - Standard	Tied-to: User Defined

Field: Lea Co, New Mexico (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: Hodges B #5 Re Entry		
Site Position:	Northing: 422758.90 ft	Latitude: 32 9 23.244 N
From: Map	Easting: 875711.80 ft	Longitude: 103 7 9.526 W
Position Uncertainty: 0.00 ft		North Reference: Grid
Ground Level: 3112.00 ft		Grid Convergence: 0.65 deg

Well: Hodges B #5 Re Entry	Slot Name:
Well Position: +N/-S 0.00 ft	Northing: 422758.90 ft
+E/-W 0.00 ft	Easting : 875711.80 ft
Position Uncertainty: 0.00 ft	Latitude: 32 9 23.244 N
	Longitude: 103 7 9.526 W

Wellpath: 1	Drilled From: Surface
Current Datum: SITE	Tie-on Depth: 0.00 ft
Magnetic Data: 1/15/2012	Above System Datum: Mean Sea Level
Field Strength: 48592 nT	Declination: 7.30 deg
Vertical Section: Depth From (TVD)	Mag Dip Angle: 60.19 deg
ft	+N/-S
	ft
0.00	0.00
	0.00
	314.09

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
4863.00	4.84	262.28	4856.81	45.84	-163.87	0.00	149.59	422804.74	875547.93	Tie on SDI First Wft Svy
5021.00	9.54	286.62	5013.56	48.69	-183.04	3.48	165.34	422807.59	875528.76	
5053.00	10.72	284.06	5045.06	50.17	-188.46	3.95	170.27	422809.07	875523.34	
5085.00	11.42	286.76	5076.46	51.81	-194.38	2.72	175.66	422810.71	875517.42	
5125.00	12.31	291.75	5115.61	54.53	-202.14	3.39	183.13	422813.43	875509.66	
5157.00	13.07	295.31	5146.83	57.34	-208.58	3.41	189.71	422816.24	875503.22	
5189.00	13.53	300.26	5177.97	60.78	-215.08	3.84	196.77	422819.68	875496.72	
5221.00	13.64	303.71	5209.07	64.76	-221.45	2.56	204.11	422823.66	875490.35	
5253.00	14.08	307.93	5240.14	69.24	-227.66	3.44	211.69	422828.14	875484.14	
5285.00	14.80	311.32	5271.13	74.34	-233.80	3.47	219.65	422833.24	875478.00	
5317.00	14.50	316.18	5302.09	79.92	-239.65	3.95	227.73	422838.82	875472.15	
5349.00	14.86	320.92	5333.05	86.00	-245.01	3.92	235.81	422844.90	875466.79	
5381.00	14.93	321.79	5363.97	92.42	-250.14	0.73	243.97	422851.32	875461.66	
5413.00	14.74	323.73	5394.91	98.95	-255.10	1.66	252.07	422857.85	875456.70	
5444.00	14.74	323.12	5424.89	105.28	-259.80	0.50	259.85	422864.18	875452.00	
5471.00	14.55	323.04	5451.01	110.74	-263.90	0.71	266.59	422869.64	875447.90	
5503.00	14.50	322.85	5481.99	117.14	-268.74	0.22	274.52	422876.04	875443.06	
5535.00	14.08	323.01	5513.00	123.44	-273.50	1.32	282.33	422882.34	875438.30	
5566.00	14.08	325.25	5543.07	129.55	-277.92	1.76	289.75	422888.45	875433.88	
5598.00	13.99	325.36	5574.11	135.94	-282.33	0.29	297.37	422894.84	875429.47	
5630.00	13.80	324.36	5605.17	142.22	-286.76	0.96	304.92	422901.12	875425.04	
5661.00	14.44	322.23	5635.24	148.28	-291.28	2.66	312.38	422907.18	875420.52	
5693.00	14.50	321.11	5666.22	154.55	-296.24	0.89	320.31	422913.45	875415.56	
5725.00	14.61	320.87	5697.20	160.80	-301.30	0.39	328.29	422919.70	875410.50	



Weatherford International Ltd.

WFT Survey Report X & Y's



Weatherford

Company: Occidental Permian Ltd.
Field: Lea Co, New Mexico (Nad 27)
Site: Hodges B #5 Re Entry
Well: Hodges B #5 Re Entry
Wellpath: 1

Date: 2/6/2012 Time: 07:07:48 Page: 2
Co-ordinate(NE) Reference: Well: Hodges B #5 Re Entry, Grid North
Vertical (TVD) Reference: SITE 3128.5
Section (VS) Reference: Well (0.00N,0.00E,314.09Azi)
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
5757.00	14.71	319.92	5728.15	167.04	-306.46	0.81	336.34	422925.94	875405.34	
5789.00	14.93	320.35	5759.09	173.32	-311.71	0.77	344.48	422932.22	875400.09	
5821.00	15.12	321.22	5790.00	179.75	-316.95	0.92	352.72	422938.65	875394.85	
5853.00	15.41	321.70	5820.87	186.34	-322.20	0.99	361.07	422945.24	875389.60	
5885.00	15.26	319.89	5851.73	192.90	-327.55	1.57	369.48	422951.80	875384.25	
5916.00	15.26	318.99	5881.63	199.10	-332.86	0.76	377.60	422958.00	875378.94	
5948.00	15.36	320.00	5912.50	205.52	-338.34	0.89	386.01	422964.42	875373.46	
5980.00	15.41	320.47	5943.35	212.05	-343.77	0.42	394.45	422970.95	875368.03	
6012.00	15.23	319.45	5974.22	218.52	-349.21	1.01	402.86	422977.42	875362.59	
6044.00	15.68	321.04	6005.06	225.07	-354.66	1.93	411.34	422983.97	875357.14	
6076.00	15.65	321.91	6035.87	231.83	-360.05	0.74	419.91	422990.73	875351.75	
6140.00	15.74	323.78	6097.48	245.63	-370.50	0.80	437.02	423004.53	875341.30	
6172.00	15.66	324.21	6128.29	252.64	-375.59	0.44	445.55	423011.54	875336.21	
6235.00	15.30	323.43	6189.00	266.21	-385.52	0.66	462.12	423025.11	875326.28	
6267.00	15.45	323.05	6219.86	273.01	-390.59	0.56	470.50	423031.91	875321.21	
6299.00	15.83	323.54	6250.67	279.92	-395.75	1.26	479.01	423038.82	875316.05	
6331.00	15.69	324.97	6281.47	286.98	-400.83	1.29	487.57	423045.88	875310.97	
6350.24	15.54	324.90	6300.00	291.22	-403.80	0.79	492.65	423050.12	875308.00	Drinkard
6363.00	15.44	324.85	6312.30	294.00	-405.76	0.79	496.00	423052.90	875306.04	
6395.00	15.52	324.18	6343.14	300.96	-410.72	0.61	504.40	423059.86	875301.08	
6427.00	15.42	323.65	6373.98	307.85	-415.75	0.54	512.81	423066.75	875296.05	
6454.00	15.45	322.85	6400.00	313.61	-420.05	0.80	519.90	423072.51	875291.75	Abo
6459.00	15.45	322.70	6404.82	314.67	-420.85	0.80	521.22	423073.57	875290.95	
6491.00	15.84	323.12	6435.64	321.56	-426.06	1.27	529.75	423080.46	875285.74	
6523.00	15.88	323.45	6466.42	328.57	-431.28	0.31	538.38	423087.47	875280.52	
6554.00	15.97	323.72	6496.23	335.41	-436.33	0.38	546.77	423094.31	875275.47	
6586.00	16.25	323.27	6526.97	342.55	-441.62	0.96	555.53	423101.45	875270.18	
6618.00	16.18	324.96	6557.70	349.79	-446.85	1.49	564.33	423108.69	875264.95	
6650.00	16.11	325.15	6588.44	357.08	-451.95	0.27	573.06	423115.98	875259.85	
6682.00	16.37	325.63	6619.16	364.45	-457.03	0.91	581.84	423123.35	875254.77	
6714.00	16.42	325.59	6649.86	371.90	-462.13	0.16	590.69	423130.80	875249.67	
6746.00	16.26	325.83	6680.57	379.34	-467.21	0.54	599.51	423138.24	875244.59	
6778.00	15.96	327.87	6711.31	386.77	-472.06	2.00	608.17	423145.67	875239.74	
6810.00	15.86	327.34	6742.09	394.18	-476.76	0.55	616.70	423153.08	875235.04	
6842.00	15.36	328.51	6772.91	401.47	-481.34	1.85	625.06	423160.37	875230.46	
6874.00	15.20	328.45	6803.77	408.66	-485.74	0.50	633.23	423167.56	875226.06	
6905.00	15.11	328.27	6833.70	415.56	-490.00	0.33	641.08	423174.46	875221.80	
6937.00	15.42	328.59	6864.57	422.74	-494.41	1.00	649.24	423181.64	875217.39	
6969.00	15.30	328.61	6895.42	429.97	-498.82	0.38	657.45	423188.87	875212.98	
7001.00	15.47	328.79	6926.28	437.23	-503.23	0.55	665.66	423196.13	875208.57	
7065.00	15.44	329.15	6987.96	451.84	-512.02	0.16	682.15	423210.74	875199.78	
7097.00	15.42	329.47	7018.81	459.16	-516.37	0.27	690.36	423218.06	875195.43	
7129.00	15.05	328.04	7049.69	466.35	-520.73	1.65	698.50	423225.25	875191.07	
7161.00	15.13	327.98	7080.58	473.42	-525.14	0.25	706.58	423232.32	875186.66	
7193.00	14.97	328.13	7111.48	480.47	-529.54	0.51	714.65	423239.37	875182.26	
7225.00	14.90	326.87	7142.40	487.43	-533.97	1.04	722.67	423246.33	875177.83	
7233.00	15.05	326.27	7150.13	489.15	-535.11	2.70	724.69	423248.05	875176.69	
7265.00	15.00	325.51	7181.04	496.02	-539.76	0.64	732.81	423254.92	875172.04	
7297.00	14.68	326.55	7211.97	502.82	-544.34	1.30	740.82	423261.72	875167.46	
7310.47	14.64	326.30	7225.00	505.65	-546.23	0.56	744.15	423264.55	875165.57	Devonian
7329.00	14.58	325.96	7242.93	509.54	-548.83	0.56	748.73	423268.44	875162.97	
7359.00	14.59	325.32	7271.97	515.77	-553.10	0.54	756.13	423274.67	875158.70	



Weatherford International Ltd.

WFT Survey Report X & Y's



Weatherford

Company:	Occidental Permian Ltd.	Date:	2/6/2012	Time:	07:07:48	Page:	3
Field:	Lea Co, New Mexico (Nad 27)	Co-ordinate(NE) Reference:	Well: Hodges B #5 Re Entry, Grid North				
Site:	Hodges B #5 Re Entry	Vertical (TVD) Reference:	SITE 3128.5				
Well:	Hodges B #5 Re Entry	Section (VS) Reference:	Well (0.00N,0.00E,314.09Azi)				
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
7391.00	14.58	326.10	7302.94	522.43	-557.63	0.61	764.02	423281.33	875154.17	
7423.00	15.07	323.64	7333.87	529.12	-562.35	2.49	772.06	423288.02	875149.45	
7456.00	16.30	320.50	7365.64	536.15	-567.84	4.53	780.89	423295.05	875143.96	
7487.00	17.81	316.65	7395.28	542.96	-573.86	6.08	789.95	423301.86	875137.94	
7519.00	19.42	315.75	7425.60	550.33	-580.93	5.11	800.16	423309.23	875130.87	
7551.00	20.46	315.09	7455.68	558.10	-588.59	3.33	811.07	423317.00	875123.21	
7583.00	20.23	311.79	7485.69	565.75	-596.67	3.66	822.19	423324.65	875115.13	
7615.00	18.46	307.84	7515.88	572.54	-604.79	6.88	832.76	423331.44	875107.01	
7647.00	16.20	302.83	7546.43	578.07	-612.55	8.46	842.17	423336.97	875099.25	
7679.00	15.18	297.84	7577.24	582.45	-620.00	5.28	850.57	423341.35	875091.80	
7711.00	15.62	292.46	7608.09	586.05	-627.69	4.67	858.60	423344.95	875084.11	
7743.00	16.58	288.62	7638.84	589.15	-636.00	4.48	866.73	423348.05	875075.80	
7774.00	17.23	289.12	7668.50	592.07	-644.53	2.15	874.88	423350.97	875067.27	
7806.00	17.49	289.48	7699.04	595.23	-653.54	0.88	883.55	423354.13	875058.26	
7838.00	17.94	289.23	7729.52	598.45	-662.72	1.43	892.40	423357.35	875049.08	
7868.00	18.93	287.33	7757.98	601.42	-671.73	3.86	900.93	423360.32	875040.07	Last Wft Svy
7941.00	18.93	287.33	7827.03	608.48	-694.34	0.00	922.08	423367.38	875017.46	Proj. to Bit

Annotation

MD ft	TVD ft	
4863.00	4856.81	Tie on SDI
5021.00	5013.56	First Wft Svy
7868.00	7757.98	Last Wft Svy
7941.00	7827.03	Proj. to Bit

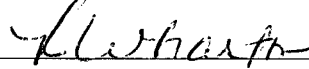
OCCIDENTAL PERMIAN LTD.

Justis Devonian, North
Lea County, NM
Hodges B #5
VH - Job #32K0112043

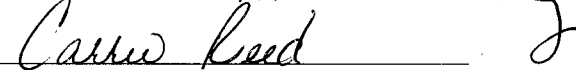
Survey: Gyro

SDI Standard Survey Report

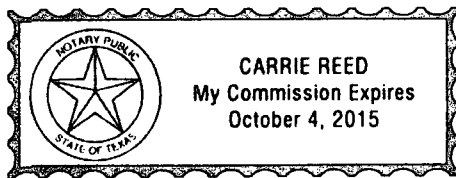
This survey is correct to the best of my knowledge and is supported by actual field data.



Notarized this date 17th of February, 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 Hodges B #5
Project:	Justis Devonian, North	TVD Reference:	WELL @ 0.0usft (Original Well Elev)
Site:	Lea County, NM	MD Reference:	WELL @ 0.0usft (Original Well Elev)
Well:	Hodges B #5	North Reference:	Grid
Wellbore:	VH - Job #32K0112043	Survey Calculation Method:	Minimum Curvature
Design:	VH - Job #32K0112043	Database:	EDM-Regulatory

Project	Justis Devonian, North		
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	Lea County, NM		
Site Position:		Northing:	422,758.92 usft
From:	Lat/Long	Easting:	875,711.85 usft
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16"
		Latitude:	32° 9' 23.244 N
		Longitude:	103° 7' 9.525 W
		Grid Convergence:	0.65 °

Well	Hodges B #5, Directional (Weatherford)		
Well Position	+N/-S	0.0 usft	Northing: 422,758.92 usft
	+E/-W	0.0 usft	Easting: 875,711.85 usft
Position Uncertainty	0.0 usft	Wellhead Elevation:	usft
		Latitude:	32° 9' 23.244 N
		Longitude:	103° 7' 9.525 W
		Ground Level:	0.0 usft

Wellbore	VH - Job #32K0112043				
Magnetics	Model Name	Sample Date	Declination	Dip Angle	Field Strength
	IGRF2010	1/15/2012	(°)	(°)	(nT)
			7.30	60.19	48,592

Design	VH - Job #32K0112043			
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	314.09

Survey Program	Date 2/16/2012			
From	To	Survey (Wellbore)	Tool Name	Description
(usft)	(usft)			
100.0	4,863.0	Gyro (VH - Job #32K0112043)	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	
100.0	0.15	245.73	100.0	-0.1	-0.1	245.73	0.1	
200.0	0.45	266.12	200.0	-0.1	-0.6	257.98	0.6	
300.0	1.36	283.81	300.0	0.1	-2.2	273.22	2.2	
400.0	2.88	288.93	399.9	1.2	-5.7	282.08	5.8	
500.0	3.30	292.98	499.8	3.2	-10.7	286.41	11.2	
600.0	3.11	295.02	599.6	5.4	-15.8	288.93	16.7	
700.0	2.54	301.91	699.5	7.7	-20.2	291.01	21.6	
800.0	2.46	310.46	799.4	10.3	-23.7	293.52	25.8	
900.0	2.44	308.48	899.3	13.0	-27.0	295.77	30.0	
1,000.0	2.41	306.81	999.2	15.6	-30.3	297.23	34.1	
1,100.0	1.08	307.76	1,099.2	17.5	-32.8	298.04	37.1	

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Well:	Hodges B #5	North Reference:	Grid
Wellbore:	VH - Job #32K0112043	Survey Calculation Method:	Minimum Curvature
Design:	VH - Job #32K0112043	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	1.11	304.03	1,199.1	18.6	-34.3	298.42	39.0
1,300.0	1.04	314.13	1,299.1	19.7	-35.8	298.90	40.9
1,400.0	1.06	313.62	1,399.1	21.0	-37.1	299.53	42.6
1,500.0	0.98	320.48	1,499.1	22.3	-38.3	300.22	44.3
1,600.0	1.31	0.06	1,599.1	24.1	-38.8	301.83	45.7
1,700.0	1.56	15.23	1,699.0	26.6	-38.5	304.62	46.8
1,800.0	2.04	25.80	1,799.0	29.5	-37.4	308.29	47.6
1,900.0	2.30	30.53	1,898.9	32.8	-35.6	312.70	48.4
2,000.0	2.39	31.40	1,998.8	36.3	-33.5	317.35	49.4
2,100.0	2.46	33.16	2,098.8	39.9	-31.2	321.98	50.7
2,200.0	2.53	35.18	2,198.7	43.5	-28.8	326.54	52.1
2,300.0	2.29	32.01	2,298.6	47.0	-26.4	330.66	53.9
2,400.0	1.47	16.79	2,398.5	49.9	-25.0	333.41	55.8
2,500.0	1.26	351.60	2,498.5	52.2	-24.8	334.62	57.8
2,600.0	1.30	312.51	2,598.5	54.1	-25.8	334.52	59.9
2,700.0	1.63	298.46	2,698.4	55.5	-27.9	333.36	62.1
2,800.0	1.82	289.44	2,798.4	56.7	-30.6	331.65	64.5
2,900.0	2.24	285.03	2,898.3	57.8	-34.0	329.53	67.0
3,000.0	2.59	274.23	2,998.2	58.5	-38.1	326.88	69.8
3,100.0	2.91	268.70	3,098.1	58.6	-42.9	323.76	72.6
3,200.0	3.08	265.46	3,198.0	58.3	-48.1	320.45	75.6
3,300.0	3.18	261.45	3,297.8	57.7	-53.6	317.11	78.7
3,400.0	3.25	261.93	3,397.7	56.9	-59.1	313.88	82.0
3,500.0	3.30	261.94	3,497.5	56.1	-64.8	310.87	85.7
3,600.0	3.47	262.95	3,597.3	55.3	-70.6	308.05	89.7
3,700.0	3.70	264.24	3,697.1	54.6	-76.8	305.39	94.3
3,800.0	3.94	263.75	3,796.9	53.9	-83.5	302.85	99.3
3,900.0	3.82	264.51	3,896.7	53.2	-90.2	300.53	104.7
4,000.0	3.53	262.75	3,996.5	52.5	-96.6	298.53	109.9
4,100.0	4.18	265.53	4,096.3	51.8	-103.3	296.65	115.5
4,200.0	5.09	266.08	4,195.9	51.2	-111.3	294.71	122.5
4,300.0	5.13	265.79	4,295.5	50.6	-120.2	292.83	130.4
4,400.0	4.76	265.67	4,395.2	50.0	-128.8	291.20	138.1
4,500.0	4.35	264.33	4,494.8	49.3	-136.7	289.82	145.3
4,600.0	4.22	261.60	4,594.6	48.4	-144.1	288.55	152.0
4,700.0	4.17	264.11	4,694.3	47.4	-151.4	287.40	158.6
4,800.0	4.45	262.29	4,794.0	46.5	-158.8	286.33	165.5
4,863.0	4.84	262.28	4,856.8	45.9	-163.9	285.63	170.2