



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

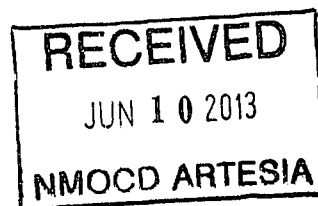
Occidental Permian Ltd.
5 Greenway Plaza Suite 110
Houston Tx 77046

30-015-41095

Date: April 15, 2013

Attention: Carlos Mercado

Re: Occidental Permian Ltd
Well: Cedar Canyon 27 #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>
Donnie Meister	1H	3055' MD	3-30-2013	Measurement
MWD Supervisor		9133' MD	4-10-2013	While Drilling

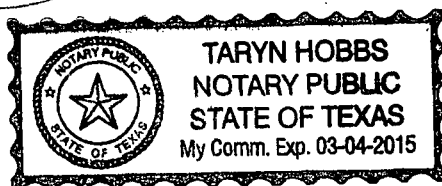
A notarized plan vs. actual is attached to the survey report. If any other information is required, please contact the undersigned at the letterhead address and phone number.

Jesus Aguilar
MWD Coordinator

On this, the 22nd day of April, 2013, 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





Cedar Canyon 27 #1H Eddy Co, New Mexico



KB ELEV: 2944
GL ELEV: 2920

SECTION DETAILS										
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	2884.00	7.21	172.21	2876.08	-95.58	-79.95	0.00	0.00	99.02	
2	3244.50	0.00	0.00	3235.63	-118.02	-76.88	2.00	180.00	121.30	
3	4637.25	0.00	0.00	4628.38	-118.02	-76.88	0.00	0.00	121.30	
4	5637.25	90.00	181.55	5265.00	-754.41	-94.12	9.00	181.55	757.83	
5	9217.32	90.00	181.55	5265.00	-4333.17	-191.12	0.00	0.00	4337.38	PBHL

WELL DETAILS						
Name	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
Cedar Canyon 27 #1H	0.00	0.00	434448.70	610020.90	32°11'38.099N	103°58'39.618W

TARGET DETAILS						
Name	TVD	+N/-S	+E/-W	Northing	Easting	Shape
PBHL	5265.00	-4333.17	-191.12	430115.53	609829.78	Point

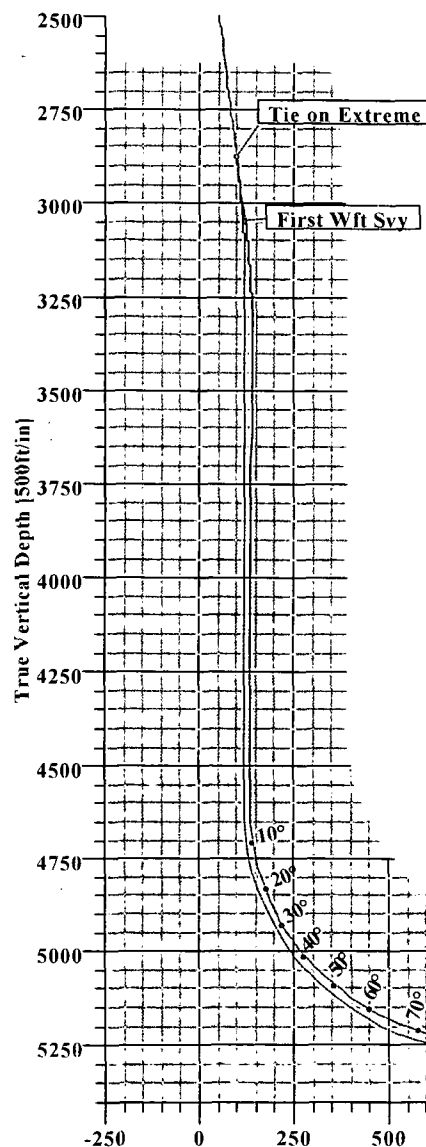
SITE DETAILS	
Cedar Canyon 27 #1H	
Site Centre Northing: 434448.70	
Easting: 610020.90	
Ground Level: 2920.00	
Positional Uncertainty: 0.00	
Convergence: 0.19	

LEGEND	
	Cedar Canyon 27 #1H.1, Plan #5
	Wft Svy

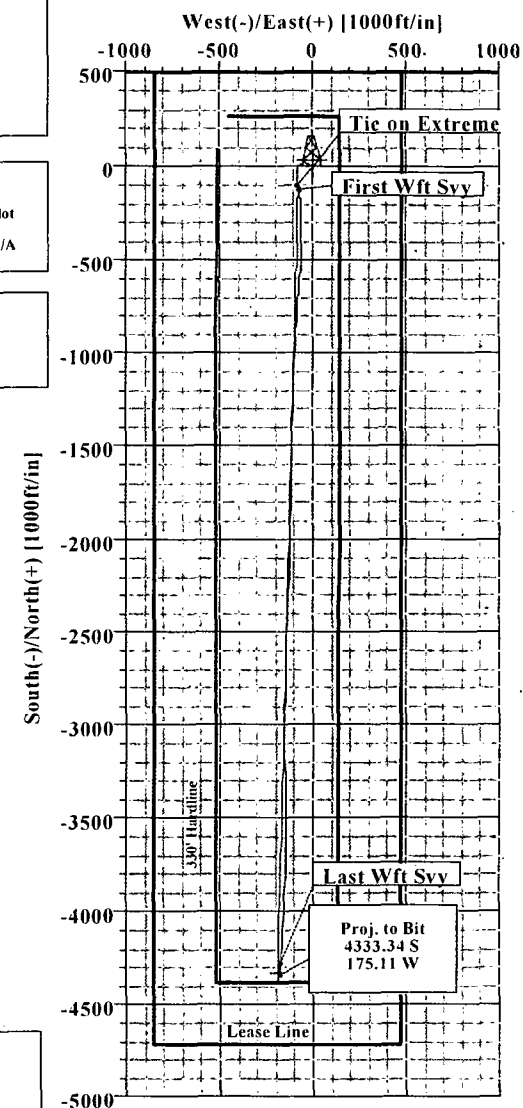


Weatherford

Survey: Wft Svy (Cedar Canyon 27 #1H/1)									
No	MD	Inc	Az	TVD	+N/-S	+E/-W	DLeg	TFace	VSec
92	9190.00	94.75	182.32	5256.06	-4333.34	-175.11	0.00	0.00	4336.85



Vertical Section at 182.53° [500ft/in]



Proj. to Bit
Last Wft Svy



Weatherford International Ltd.

WFT Survey Report X & Y's



Weatherford

Company: Occidental Permian Ltd. Date: 4/11/2013 Time: 07:23:21 Page: 1
 Field: Eddy Co, NM (Nad 27) Co-ordinate(NE) Reference: Well: Cedar Canyon 27 #1H, Grid North
 Site: Cedar Canyon 27 #1H Vertical (TVD) Reference: SITE 2944.0
 Well: Cedar Canyon 27 #1H Section (VS) Reference: Well (0.00N,0.00E,182.53Azi)
 Wellpath: 1 Survey Calculation Method: Minimum Curvature Db: Sybase

Survey: Wft Svy Start Date: 4/5/2013

Company: Weatherford International Ltd. Engineer: Patrick Rudolph
 Tool: MWD;MWD - Standard Tied-to: From: Extreme Svy

Site: Cedar Canyon 27 #1H

Site Position: Northing: 434448.70 ft Latitude: 32 11 38.099 N
 From: Map Easting: 610020.90 ft Longitude: 103 58 39.618 W
 Position Uncertainty: 0.00 ft North Reference: Grid
 Ground Level: 2920.00 ft Grid Convergence: 0.19 deg

Well: Cedar Canyon 27 #1H Slot Name:
 Well Position: +N/-S 0.00 ft Northing: 434448.70 ft Latitude: 32 11 38.099 N
 +E/-W 0.00 ft Easting: 610020.90 ft Longitude: 103 58 39.618 W
 Position Uncertainty: 0.00 ft

Wellpath: 1 Drilled From: Surface
 Current Datum: SITE Height 2944.00 ft Tie-on Depth: 0.00 ft
 Magnetic Data: 5/1/2012 Above System Datum: Mean Sea Level
 Field Strength: 48491 nT Declination: 7.66 deg
 Vertical Section: Depth From (TVD) +N/-S Mag Dip Angle: 60.07 deg
 ft ft +E/-W Direction
 0.00 0.00 0.00 182.53

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
574.24	2.86	296.40	574.00	6.37	-12.84	0.00	-5.80	434455.07	610008.06	Srfc. Csg.
2884.00	7.21	172.21	2876.08	-95.58	-79.95	0.40	99.02	434353.12	609940.95	Tie on Extreme
3008.97	7.66	171.20	3000.00	-111.58	-77.61	0.37	114.89	434337.12	609943.29	Int. Csg.
3055.00	7.82	170.86	3045.61	-117.70	-76.64	0.37	120.97	434331.00	609944.26	First Wft Svy
3150.00	5.00	166.27	3140.01	-128.10	-74.64	3.01	131.27	434320.60	609946.26	
3244.00	3.62	160.20	3233.74	-134.87	-72.66	1.54	137.95	434313.83	609948.24	
3339.00	1.09	170.18	3328.65	-138.59	-71.49	2.69	141.61	434310.11	609949.41	
3433.00	1.09	92.12	3422.64	-139.50	-70.44	1.46	142.48	434309.20	609950.46	
3528.00	1.29	20.94	3517.62	-138.54	-69.16	1.47	141.45	434310.16	609951.74	
3622.00	1.35	25.60	3611.60	-136.55	-68.30	0.13	139.43	434312.15	609952.60	
3717.00	1.42	24.71	3706.57	-134.47	-67.32	0.08	137.31	434314.23	609953.58	
3811.00	1.85	2.70	3800.53	-131.90	-66.77	0.80	134.72	434316.80	609954.13	
3906.00	0.28	261.17	3895.52	-130.40	-66.92	2.03	133.23	434318.30	609953.98	
4000.00	0.44	259.85	3989.51	-130.50	-67.50	0.17	133.35	434318.20	609953.40	
4095.00	0.45	251.08	4084.51	-130.69	-68.22	0.07	133.57	434318.01	609952.68	
4189.00	0.40	259.95	4178.51	-130.86	-68.89	0.09	133.78	434317.84	609952.01	
4284.00	0.31	272.90	4273.51	-130.91	-69.47	0.13	133.85	434317.79	609951.43	
4378.00	0.31	287.08	4367.51	-130.82	-69.97	0.08	133.78	434317.88	609950.93	
4473.00	0.28	281.18	4462.50	-130.70	-70.44	0.04	133.68	434318.00	609950.46	
4567.00	0.25	284.54	4556.50	-130.60	-70.87	0.04	133.60	434318.10	609950.03	
4599.00	0.30	280.32	4588.50	-130.57	-71.02	0.17	133.58	434318.13	609949.88	
4630.00	1.57	183.27	4619.50	-130.98	-71.12	5.27	133.99	434317.72	609949.78	
4662.00	4.50	178.62	4651.45	-132.67	-71.12	9.18	135.68	434316.03	609949.78	
4693.00	7.73	178.48	4682.27	-135.97	-71.03	10.42	138.98	434312.73	609949.87	
4725.00	10.61	175.58	4713.86	-141.06	-70.75	9.11	144.05	434307.64	609950.15	
4756.00	13.17	173.51	4744.19	-147.42	-70.13	8.37	150.37	434301.28	609950.77	
4788.00	15.44	173.60	4775.20	-155.27	-69.24	7.09	158.18	434293.43	609951.66	
4819.00	17.29	173.57	4804.94	-163.95	-68.26	5.97	166.81	434284.75	609952.64	
4851.00	20.02	174.76	4835.26	-174.14	-67.23	8.61	176.93	434274.56	609953.67	
4883.00	22.47	176.95	4865.08	-185.70	-66.41	8.05	188.45	434263.00	609954.49	



Weatherford International Ltd.

WFT Survey Report X & Y's

**Weatherford**

Company: Occidental Permian Ltd.
Field: Eddy Co, NM (Nad 27)
Site: Cedar Canyon 27 #1H
Well: Cedar Canyon 27 #1H
Wellpath: 1

Date: 4/11/2013 Time: 07:23:21 Page: 2
Co-ordinate(NE) Reference: Well: Cedar Canyon 27 #1H, Grid North
Vertical (TVD) Reference: SITE 2944.0
Section (VS) Reference: Well (0.00N,0.00E,182.53Azi)
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
4914.00	25.22	177.58	4893.43	-198.22	-65.81	8.91	200.93	434250.48	609955.09	
4946.00	28.71	177.16	4921.95	-212.71	-65.14	10.92	215.38	434235.99	609955.76	
4976.00	31.96	177.31	4947.84	-227.84	-64.41	10.84	230.46	434220.86	609956.49	
5007.00	35.54	176.90	4973.61	-245.04	-63.54	11.57	247.60	434203.66	609957.36	
5038.00	38.07	177.47	4998.43	-263.59	-62.63	8.24	266.09	434185.11	609958.27	
5068.00	41.00	178.39	5021.56	-282.67	-61.95	9.96	285.13	434166.03	609958.95	
5099.00	44.22	178.66	5044.37	-303.65	-61.41	10.40	306.06	434145.05	609959.49	
5129.00	46.97	178.38	5065.36	-325.07	-60.85	9.19	327.44	434123.63	609960.05	
5159.00	49.13	178.60	5085.42	-347.37	-60.27	7.22	349.69	434101.33	609960.63	
5189.00	52.21	179.77	5104.43	-370.57	-59.94	10.70	372.86	434078.13	609960.96	
5220.00	54.64	180.61	5122.90	-395.46	-60.03	8.14	397.73	434053.24	609960.87	
5251.00	57.66	181.83	5140.16	-421.20	-60.58	10.28	423.46	434027.50	609960.32	
5281.00	60.21	183.06	5155.64	-446.87	-61.68	9.20	449.16	434001.83	609959.22	
5312.00	62.52	182.63	5170.50	-474.04	-63.03	7.55	476.36	433974.66	609957.87	
5341.00	65.04	182.90	5183.31	-500.03	-64.28	8.73	502.38	433948.67	609956.62	
5372.00	66.81	182.88	5195.96	-528.29	-65.71	5.71	530.68	433920.41	609955.19	
5404.00	68.61	183.33	5208.09	-557.86	-67.31	5.77	560.29	433890.84	609953.59	
5435.00	70.64	183.93	5218.89	-586.86	-69.16	6.80	589.34	433861.84	609951.74	
5466.00	73.37	184.16	5228.46	-616.27	-71.24	8.83	618.81	433832.43	609949.66	
5497.00	76.33	184.75	5236.56	-646.09	-73.56	9.72	648.71	433802.61	609947.34	
5529.00	78.00	184.76	5243.67	-677.19	-76.15	5.22	679.89	433771.51	609944.75	
5560.00	79.11	185.41	5249.82	-707.45	-78.84	4.13	710.24	433741.25	609942.06	
5591.00	81.52	185.11	5255.04	-737.88	-81.64	7.83	740.76	433710.82	609939.26	
5622.00	84.48	184.34	5258.82	-768.54	-84.17	9.86	771.50	433680.16	609936.73	
5653.00	87.00	184.08	5261.12	-799.37	-86.44	8.17	802.40	433649.33	609934.46	
5683.00	88.32	183.73	5262.34	-829.27	-88.49	4.55	832.37	433619.43	609932.41	
5744.00	89.79	183.38	5263.35	-890.14	-92.27	2.48	893.35	433558.56	609928.63	
5838.00	91.88	182.27	5261.98	-984.01	-96.90	2.52	987.33	433464.69	609924.00	
5933.00	91.89	182.71	5258.85	-1078.87	-101.02	0.46	1082.28	433369.83	609919.88	
6028.00	89.51	182.29	5257.69	-1173.77	-105.17	2.54	1177.26	433274.93	609915.73	
6123.00	91.12	181.21	5257.17	-1268.72	-108.07	2.04	1272.25	433179.98	609912.83	
6217.00	89.16	181.66	5256.94	-1362.68	-110.42	2.14	1366.23	433086.02	609910.48	
6312.00	87.00	181.05	5260.12	-1457.60	-112.67	2.36	1461.15	432991.10	609908.23	
6406.00	88.81	180.62	5263.56	-1551.52	-114.04	1.98	1555.04	432897.18	609906.86	
6501.00	88.33	181.10	5265.93	-1646.48	-115.46	0.71	1649.97	432802.22	609905.44	
6595.00	90.63	180.63	5266.78	-1740.46	-116.88	2.50	1743.92	432708.24	609904.02	
6690.00	89.65	181.66	5266.55	-1835.43	-118.78	1.50	1838.89	432613.27	609902.12	
6784.00	91.33	181.22	5265.75	-1929.40	-121.14	1.85	1932.86	432519.30	609899.76	
6879.00	90.84	181.27	5263.95	-2024.36	-123.20	0.52	2027.82	432424.34	609897.70	
6973.00	88.25	181.17	5264.70	-2118.33	-125.21	2.76	2121.79	432330.37	609895.69	
7068.00	89.79	182.57	5266.32	-2213.26	-128.31	2.19	2216.76	432235.44	609892.59	
7162.00	91.19	183.54	5265.52	-2307.12	-133.32	1.81	2310.75	432141.58	609887.58	
7257.00	89.51	182.43	5264.94	-2401.98	-138.26	2.12	2405.74	432046.72	609882.64	
7351.00	91.47	182.15	5264.13	-2495.90	-142.02	2.11	2499.73	431952.80	609878.88	
7446.00	90.21	181.45	5262.74	-2590.84	-145.00	1.52	2594.71	431857.86	609875.90	
7540.00	92.38	181.23	5260.62	-2684.78	-147.20	2.32	2688.66	431763.92	609873.70	
7635.00	91.61	180.53	5257.31	-2779.71	-148.66	1.10	2783.56	431668.99	609872.24	
7729.00	90.21	181.15	5255.82	-2873.69	-150.03	1.63	2877.51	431575.01	609870.87	
7824.00	88.81	180.56	5256.63	-2968.67	-151.45	1.60	2972.46	431480.03	609869.45	
7918.00	90.91	180.15	5256.86	-3062.66	-152.03	2.28	3066.39	431386.04	609868.87	
8013.00	89.37	179.55	5256.63	-3157.66	-151.79	1.74	3161.28	431291.04	609869.11	
8107.00	87.55	178.74	5259.15	-3251.61	-150.38	2.12	3255.08	431197.09	609870.52	



Weatherford International Ltd.

WFT Survey Report X & Y's

**Weatherford**

Company: Occidental Permian Ltd.
Field: Eddy Co, NM (Nad 27)
Site: Cedar Canyon 27 #1H
Well: Cedar Canyon 27 #1H
Wellpath: 1

Date: 4/11/2013 Time: 07:23:21 Page: 3
Co-ordinate(NE) Reference: Well: Cedar Canyon 27 #1H, Grid North
Vertical(TVD) Reference: SITE 2944.0
Section(VS) Reference: Well (0.00N,0.00E,182.53Azi)
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
8202.00	89.58	178.29	5261.53	-3346.54	-147.92	2.19	3349.81	431102.16	609872.98	
8297.00	89.30	178.95	5262.46	-3441.51	-145.63	0.75	3444.58	431007.19	609875.27	
8391.00	89.16	179.83	5263.72	-3535.50	-144.63	0.95	3538.43	430913.20	609876.27	
8486.00	88.39	181.44	5265.75	-3630.46	-145.69	1.88	3633.36	430818.28	609875.21	
8580.00	90.28	181.55	5266.84	-3724.42	-148.14	2.01	3727.33	430724.28	609872.76	
8675.00	89.02	181.90	5267.42	-3819.37	-151.00	1.38	3822.32	430629.33	609869.90	
8769.00	88.67	183.12	5269.32	-3913.26	-155.11	1.35	3916.30	430535.44	609865.79	
8864.00	90.49	182.85	5270.02	-4008.13	-160.06	1.94	4011.29	430440.57	609860.84	
8958.00	90.70	182.97	5269.04	-4102.00	-164.83	0.26	4105.28	430346.70	609856.07	
9053.00	92.86	182.56	5266.09	-4196.84	-169.41	2.31	4200.23	430251.86	609851.49	
9133.00	94.75	182.32	5260.78	-4276.59	-172.81	2.38	4280.05	430172.11	609848.09	Last Wft Svy
9190.00	94.75	182.32	5256.06	-4333.34	-175.11	0.00	4336.85	430115.36	609845.79	Proj. to Bit

Annotation

MD ft	TVD ft	
2884.00	2876.08	Tie on Extreme
3055.00	3045.61	First Wft Svy
9133.00	5260.78	Last Wft Svy
9190.00	5256.06	Proj. to Bit

Reservoir Development

Drilling & Measurements (Extreme Engineering)

6724 Corporation Pkwy Suite 100

Fort Worth, TX 76126

Phone: (817) 717-1820

Fax: (817) 546-7551

June 7, 2013

Occidental Permian Ltd

5 Greenway Plaza Suite 110

Houston, Texas 77046

Attention: Luis Tarazona

Re:

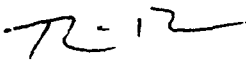
CLIENT: Occidental Permian Ltd
WELL: Cedar Canyon 27 Fed 1H
FIELD: Cedar Canyon
RIG: H&P 477
COUNTY: LEA
API NO: 30-015-41095
JOB NO: NM-OXY-0056

Enclosed, please find the original copy of the survey performed on the referenced well by Drilling & Measurements (formerly Extreme), a division of Schlumberger Technology Corporation (P-5 No. 754900).
Other information required by your office is as follows.

<u>Name & Title of Surveyor</u>	<u>Drainhole Number</u>	<u>Surveyed Depths</u>	<u>Dates Performed</u>	<u>Type of Survey</u>
Lance Brown	Cedar Canyon 27 Fed 1H 0 Original Hole	547.95 Ft to 2924.95 Ft	June 18, 2012 to May 1, 2013	SlimPulse

A plat of the bottom hole location is oriented both to the surface location and to the lease lines (or until line in case of pooling), is attached to the survey report.

If any other information is required, please contact the undersigned at the above letterhead and phone number.
Sincerely,



Nick Banschbach
Field Service Manager

CC: Occidental Permian Ltd

Enclosures: [2]

County of LEA

State of New Mexico

Reservoir Development

Drilling & Measurements (Extreme Engineering)

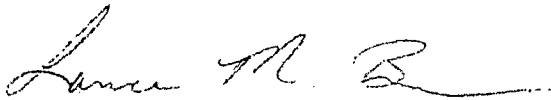
6724 Corporation Pkwy Suite 100

Fort Worth, TX 76126

Phone: (817) 717-1820

Fax: (817) 546-7551

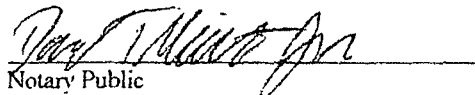
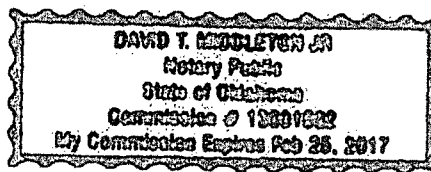
I, Lance Brown certify that; I am employed by Drilling & Measurements (formerly Extreme), a division of Schlumberger Technology Corporation; that I did on the day(s) of June 18, 2012 through May 01, 2013, conduct or supervise the taking of the SlimPulse surveys from a depth of 547.95.00 feet to a depth of 2924.95.00 feet; that the data is true, correct, complete and within the limitations of the tool as set forth by Drilling & Measurements, a division of Schlumberger Technology Corporation; that I am authorized and qualified to make this report; that this survey was conducted at the request of Occidental Permian Ltd for the Cedar Canyon 27 Fed 1H Well (Original Hole) API No. 30-015-41095 in New Mexico; and that I have reviewed this report and find that it conforms to the principals and procedures as set forth by Drilling & Measurements, a division of Schlumberger Technology Corporation.



Lance Brown
FST

Before me, David T Middleton Jr., on this day personally appeared Lance Brown, known to me to be the person whose name is subscribed to the foregoing instrument and acknowledged to me that he/she executed the same for the purposes and consideration therein expressed.

Given under my hand and seal of office this 7 day of June 2012 (year).


Notary Public

Cedar Canyon 27 Fed 1H MWD 0' to 2977' Survey Report

(Def Survey)

Report Date: April 01, 2013 - 09:23 PM
 Client: OXY
 Field: NM, Eddy Co (NAD27 EZ) 2012
 Structure / Slot: OXY (Cedar Canyon 27 Fed 1H) H&P 477 / Cedar Canyon 27 Fed 1H
 Well: Cedar Canyon 27 Fed 1H
 Borehole: Original Hole
 UWI / API#: Unknown / 30-015-41095
 Survey Name: Cedar Canyon 27 Fed 1H MWD 0' to 2977'
 Survey Date: April 01, 2013
 Tort / AHD / DDI / ERD Ratio: 16.389" / 200.063 ft / 3.517 / 0.069
 Coordinate Reference System: NAD27 New Mexico State Plane, Eastern Zone, US Feet
 Location Lat / Long: N 32° 11' 38.04000", W 103° 59' 51.72000"
 Location Grid N/E Y/X: N 434422.819 ftUS, E 603825.262 ftUS
 CRS Grid Convergence Angle: 0.17882229°
 Grid Scale Factor: 0.99992144
 Survey / DLS Computation: Minimum Curvature / Lubinski
 Vertical Section Azimuth: 180.000° (Grid North)
 Vertical Section Origin: 0.000 ft, 0.000 ft
 TVD Reference Datum: RKB
 TVD Reference Elevation: 2945.000 ft above Unknown
 Seabed / Ground Elevation: 2920.000 ft above Unknown
 Magnetic Declination: 7.668°
 Total Field Strength: 48347.124 nT
 Magnetic Dip Angle: 59.995°
 Declination Date: April 01, 2013
 Magnetic Declination Model: BGGM 2012
 North Reference: Gnd North
 Grid Convergence Used: 0.179°
 Total Corr Mag North->Grid North: 7.489°
 Local Coord Referenced To: Structure Reference Point

Comments	MD (ft)	Incl (°)	Azim Grid (°)	TVD (ft)	VSEC (ft)	NS (ft)	EW (ft)	DLS (°/100ft)	Northing (ftUS)	Easting (ftUS)	Latitude (N/S ° ' ")	Longitude (E/W ° ' ")
Surface	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A	434422.62	603825.26	N 32 11 38.04	W 103 59 51.72
Begin MWD Surveys	547.95	2.99	296.40	547.70	-6.36	6.36	-12.60	0.55	434429.17	603812.46	N 32 11 38.10	W 103 59 51.87
	747.95	2.42	306.20	747.48	-11.17	11.17	-20.68	0.37	434433.99	603804.38	N 32 11 38.15	W 103 59 51.96
	946.95	2.68	305.23	946.28	-16.33	16.33	-26.07	0.13	434439.15	603797.19	N 32 11 38.20	W 103 59 52.05
	1127.95	2.97	296.76	1127.06	-20.89	20.89	-35.72	0.28	434443.70	603789.55	N 32 11 38.25	W 103 59 52.13
	1222.95	3.30	272.49	1221.92	-22.11	22.11	-40.65	1.43	434444.93	603784.62	N 32 11 38.26	W 103 59 52.19
	1412.95	3.34	256.78	1411.61	-21.09	21.09	-51.50	0.48	434443.90	603773.77	N 32 11 38.25	W 103 59 52.32
	1602.95	3.38	244.10	1601.29	-17.37	17.37	-61.93	0.39	434440.19	603763.34	N 32 11 38.21	W 103 59 52.44
	1792.95	3.69	223.80	1790.93	-10.51	10.51	-71.20	0.67	434433.33	603754.07	N 32 11 38.15	W 103 59 52.55
	1981.95	4.22	200.82	1979.49	0.38	-0.38	-77.68	0.88	434422.44	603747.39	N 32 11 38.04	W 103 59 52.63
	2170.95	6.11	186.62	2167.72	16.87	-16.87	-81.51	1.20	434405.95	603743.76	N 32 11 37.88	W 103 59 52.67
	2265.95	6.42	189.13	2262.16	27.14	-27.14	-82.93	0.44	434395.68	603742.33	N 32 11 37.77	W 103 59 52.69
	2454.95	6.50	177.00	2449.96	48.25	-48.25	-84.05	0.72	434374.57	603741.22	N 32 11 37.57	W 103 59 52.70
	2548.95	6.90	173.22	2543.32	59.17	-59.17	-83.11	0.63	434363.65	603742.16	N 32 11 37.46	W 103 59 52.69
	2643.95	7.12	172.69	2637.61	70.68	-70.68	-81.68	0.24	434352.14	603743.59	N 32 11 37.34	W 103 59 52.67
	2736.95	7.69	171.51	2729.84	82.55	-82.55	-80.03	0.63	434340.27	603745.24	N 32 11 37.23	W 103 59 52.65
	2831.95	7.21	172.21	2824.03	94.74	-94.74	-78.29	0.51	434328.08	603746.98	N 32 11 37.10	W 103 59 52.63
End MWD Surveys	2924.95	7.21	172.21	2916.30	106.31	-106.31	-76.70	0.00	434316.52	603748.57	N 32 11 36.99	W 103 59 52.62

Survey Type: Def Survey

Survey Error Model: ISCWSA Rev 0 3-D 95.000% Confidence 2.7955 sigma
 Survey Program:

Description	MD From (ft)	MD To (ft)	EOU Freq (ft)	Survey Tool Type	Borehole / Survey
	0.000	25.000	1/25.000	SLB_MWD-STD-Depth Only	Original Hole / Cedar Canyon 27 Fed 1H MWD 0' to 2977'
	25.000	547.950	1/98.425	SLB_MWD-STD	Original Hole / Cedar Canyon 27 Fed 1H MWD 0' to 2977'
	547.950	2924.950	1/2377.000	SLB_MWD-STD	Original Hole / Cedar Canyon 27 Fed 1H MWD 0' to 2977'