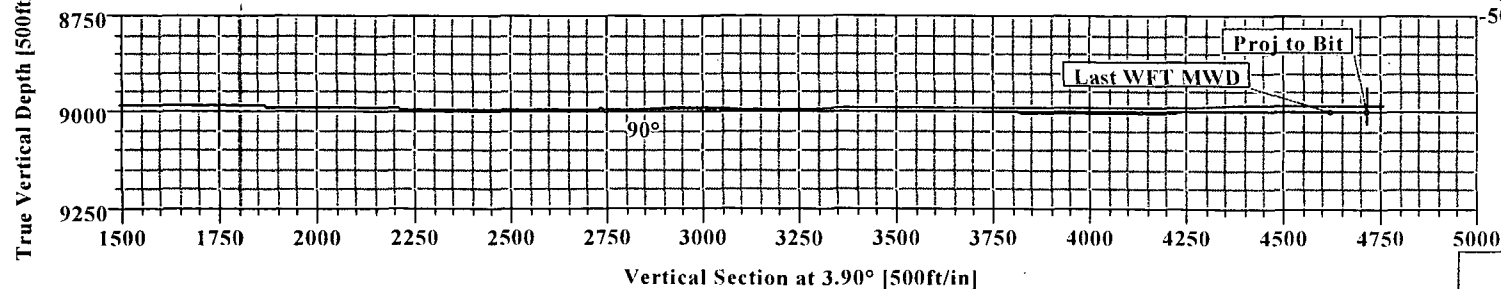
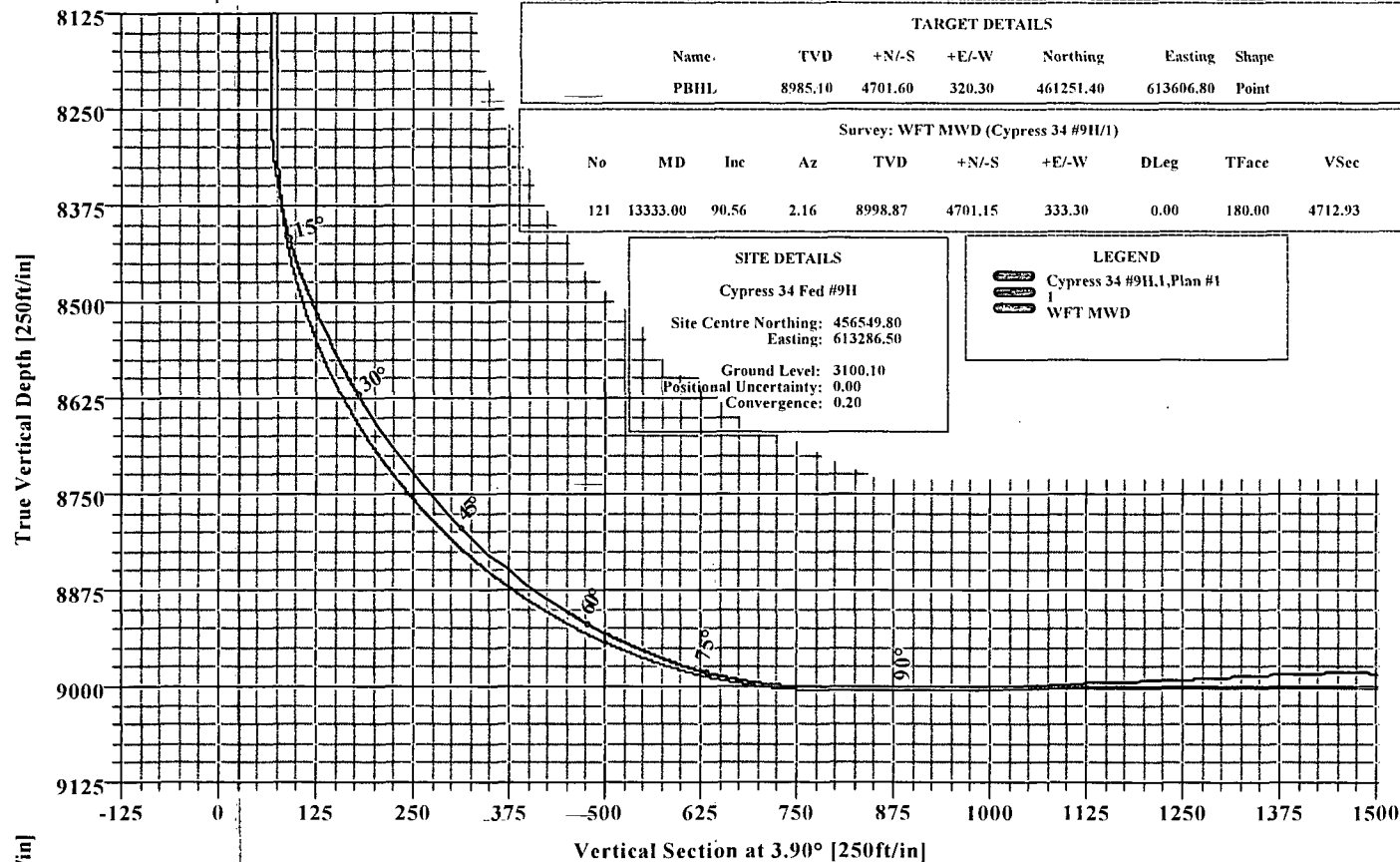




Cypress 34 Fed #9H Eddy Co, NM

KB ELEV: 3124.7
GL ELEV: 3100.1



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	3500.00	0.00	0.00	3500.00	0.00	0.00	0.00	0.00	0.00	
3	3750.00	5.00	55.32	3749.68	6.20	8.96	2.00	55.32	6.80	
4	4895.00	5.00	55.32	4890.33	62.98	91.03	0.00	0.00	69.03	
5	5145.00	0.00	0.00	5140.01	69.19	99.99	2.00	180.00	75.83	
6	8293.90	0.00	0.00	8288.91	69.19	99.99	0.00	0.00	75.83	
7	9422.56	90.29	2.72	9005.10	788.23	134.19	8.00	2.72	795.53	
8	13340.40	90.29	2.72	8985.10	4701.60	320.30	0.00	0.00	4712.50	PBHL

WELL DETAILS

Name	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
Cypress 34 #9H	0.00	0.00	456549.80	613286.50	32°15'16.707N	103°58'00.737W	N/A

TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting	Shape
PBHL	8985.10	4701.60	320.30	461251.40	613606.80	Point

Survey: WFT MWD (Cypress 34 #9H/1)

No	MD	Inc	Az	TVD	+N/-S	+E/-W	DLeg	TFace	VSec
121	13333.00	90.56	2.16	8998.87	4701.15	333.30	0.00	180.00	4712.93

SITE DETAILS

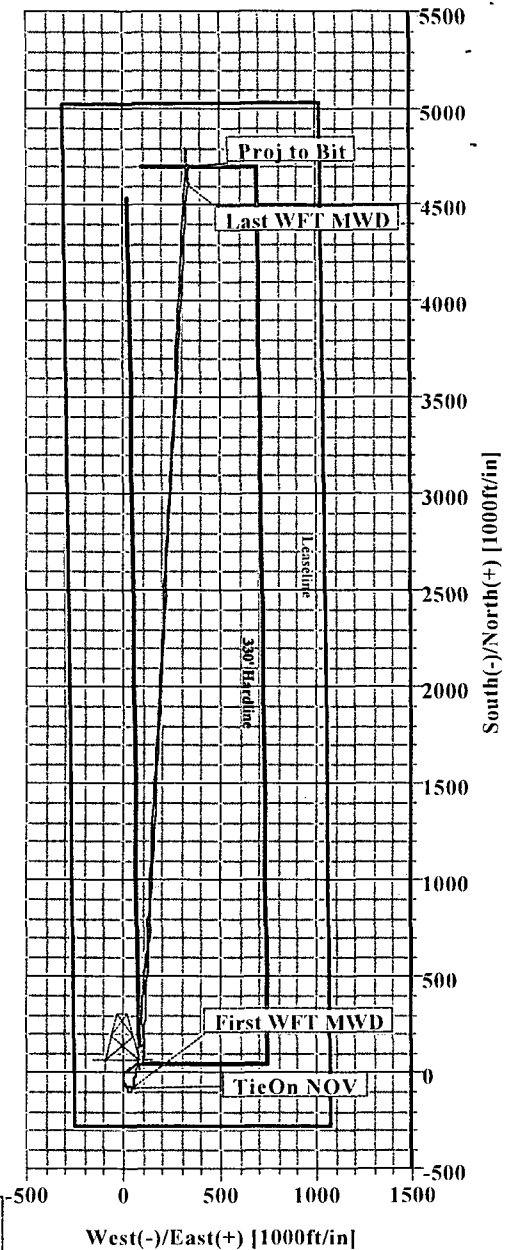
Cypress 34 Fed #9H

Site Centre Northing: 456549.80
Easting: 613286.50

Ground Level: 3100.10
Positional Uncertainty: 0.00
Convergence: 0.20

LEGEND

- Cypress 34 #9H, 1, Plan #1
- WFT MWD



Weatherford

Survey: WFT MWD (Cypress 34 #9H/1)

Created By: Michael Dill

Date: 4/21/2014

30-015-42088



Weatherford International Ltd.

WFT Survey Report X&Y's



Weatherford

Company: Occidental Permian Ltd.	Date: 4/21/2014	Time: 07:52:46	Page: 1
Field: Eddy Co, NM (Nad 27)	Co-ordinate(NE) Reference:	Well: Cypress 34 #9H, Grid North	
Site: Cypress 34 Fed #9H	Vertical (TVD) Reference:	SITE 3124.7	
Well: Cypress 34 #9H	Section (VS) Reference:	Well (0.00N,0.00E,3.90Azi)	
Wellpath: 1	Survey Calculation Method:	Minimum Curvature	Db: Sybase

Survey:	Start Date:
Company:	Engineer:
Tool:	Tied-to:

Site: Cypress 34 Fed #9H

Site Position:	Northing:	456549.80 ft	Latitude:	32 15 16.707 N
From: Map	Easting:	613286.50 ft	Longitude:	103 58 0.737 W
Position Uncertainty: 0.00 ft			North Reference:	Grid
Ground Level: 3100.10 ft			Grid Convergence:	0.20 deg

Well: Cypress 34 #9H Slot Name:

Well Position:	+N/-S	0.00 ft	Northing:	456549.80 ft	Latitude:	32 15 16.707 N
	+E/-W	0.00 ft	Easting:	613286.50 ft	Longitude:	103 58 0.737 W
Position Uncertainty:		0.00 ft				

Wellpath: 1

Current Datum:	SITE	Height	3124.70 ft	Drilled From:	Surface
Magnetic Data:	3/7/2014			Tie-on Depth:	0.00 ft
Field Strength:	48344 nT			Above System Datum:	Mean Sea Level
Vertical Section:	Depth From (TVD)	+N/-S		Declination:	7.44 deg
	ft	ft		Mag Dip Angle:	60.08 deg
				+E/-W	Direction
				ft	deg
	0.00	0.00		0.00	3.90

Survey Program for Definitive Wellpath

Date: 4/21/2014	Validated: No	Version: 0	
Actual From	To	Survey	Toolcode
ft	ft		Tool Name
0.00	3111.00	MWD (0.00-3111.00)	MWD
3111.00	13333.00	WFT MWD (3111.00-13333.00)	MWD
			MWD - Standard
			MWD - Standard

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	456549.80	613286.50	
489.00	0.80	184.00	488.98	-3.41	-0.24	0.16	-3.41	456546.39	613286.26	
666.00	1.30	181.00	665.95	-6.65	-0.36	0.28	-6.65	456543.15	613286.14	
846.00	1.10	194.00	845.91	-10.36	-0.81	0.19	-10.39	456539.44	613285.69	
1031.00	0.90	205.00	1030.89	-13.40	-1.86	0.15	-13.50	456536.40	613284.64	
1220.00	1.60	211.00	1219.84	-17.01	-3.84	0.38	-17.23	456532.79	613282.66	
1409.00	2.20	169.00	1408.74	-22.83	-4.51	0.78	-23.09	456526.97	613281.99	
1598.00	2.60	173.00	1597.58	-30.65	-3.30	0.23	-30.80	456519.15	613283.20	
1787.00	2.80	166.00	1786.37	-39.38	-1.66	0.20	-39.40	456510.42	613284.84	
1976.00	1.80	157.00	1975.21	-46.60	0.62	0.56	-46.45	456503.20	613287.12	
2165.00	1.30	138.00	2164.15	-50.92	3.22	0.38	-50.58	456498.88	613289.72	
2354.00	1.20	125.00	2353.10	-53.65	6.27	0.16	-53.10	456496.15	613292.77	
2543.00	2.40	187.00	2542.02	-58.71	7.41	1.12	-58.07	456491.09	613293.91	
2732.00	3.10	123.00	2730.84	-65.43	11.21	1.57	-64.51	456484.37	613297.71	
2921.00	3.90	142.00	2919.49	-73.27	19.46	0.74	-71.78	456476.53	613305.96	
3111.00	3.50	136.00	3109.10	-82.54	27.46	0.29	-80.48	456467.26	613313.96	TieOn NOV
3253.00	2.77	127.44	3250.88	-87.74	33.20	0.61	-85.28	456462.06	613319.70	First WFT MWD
3285.00	2.98	108.74	3282.85	-88.48	34.60	2.99	-85.92	456461.32	613321.10	
3379.00	3.11	64.92	3376.72	-88.18	39.23	2.42	-85.31	456461.62	613325.73	
3474.00	3.35	28.30	3471.58	-84.65	42.88	2.15	-81.53	456465.15	613329.38	
3568.00	4.83	17.18	3565.34	-78.45	45.35	1.78	-75.18	456471.35	613331.85	
3663.00	6.21	11.48	3659.90	-69.59	47.55	1.56	-66.19	456480.21	613334.05	
3757.00	6.25	11.54	3753.35	-59.59	49.59	0.04	-56.08	456490.21	613336.09	
3852.00	6.20	11.79	3847.79	-49.51	51.67	0.06	-45.88	456500.29	613338.17	



Weatherford International Ltd.

WFT Survey Report X&Y's



Weatherford

Company: Occidental Permian Ltd.	Date: 4/21/2014	Time: 07:52:46	Page: 2
Field: Eddy Co. NM (Nad 27)	Co-ordinate(NE) Reference:	Well: Cypress 34 #9H, Grid North	
Site: Cypress 34 Fed #9H	Vertical (TVD) Reference:	SITE 3124.7	
Well: Cypress 34 #9H	Section (VS) Reference:	Well (0.00N,0.00E,3.90Azi)	
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
3946.00	6.15	10.49	3941.24	-39.59	53.62	0.16	-35.85	456510.21	613340.12	
4041.00	7.19	10.59	4035.60	-28.74	55.64	1.09	-24.89	456521.06	613342.14	
4135.00	7.06	11.26	4128.87	-17.29	57.85	0.16	-13.32	456532.51	613344.35	
4229.00	6.94	9.32	4222.17	-6.02	59.90	0.28	-1.93	456543.78	613346.40	
4324.00	6.98	11.25	4316.47	5.30	61.96	0.25	9.51	456555.10	613348.46	
4419.00	6.99	11.04	4410.76	16.64	64.19	0.03	20.97	456566.44	613350.69	
4607.00	7.30	24.30	4597.32	38.75	71.29	0.89	43.51	456588.55	613357.79	
4796.00	6.53	36.06	4784.95	58.39	82.56	0.85	63.87	456608.19	613369.06	
4986.00	4.58	57.25	4974.07	71.23	95.30	1.47	77.54	456621.03	613381.80	
5175.00	1.86	71.88	5162.75	76.26	104.57	1.49	83.20	456626.06	613391.07	
5364.00	0.41	155.86	5351.72	76.60	107.76	0.99	83.75	456626.40	613394.26	
5553.00	0.51	175.34	5540.71	75.15	108.10	0.10	82.32	456624.95	613394.60	
5648.00	0.51	175.12	5635.71	74.30	108.17	0.00	81.49	456624.10	613394.67	
5742.00	0.35	188.76	5729.71	73.60	108.17	0.20	80.79	456623.40	613394.67	
5932.00	0.92	215.70	5919.69	71.79	107.19	0.33	78.91	456621.59	613393.69	
6121.00	0.20	330.99	6108.69	70.85	106.14	0.54	77.90	456620.65	613392.64	
6310.00	0.31	221.07	6297.69	70.75	105.65	0.22	77.77	456620.55	613392.15	
6499.00	0.45	218.96	6486.68	69.79	104.84	0.07	76.76	456619.59	613391.34	
6688.00	0.56	185.67	6675.67	68.29	104.29	0.16	75.23	456618.09	613390.79	
6877.00	0.30	194.28	6864.67	66.89	104.07	0.14	73.82	456616.69	613390.57	
7065.00	0.49	223.38	7052.66	65.83	103.40	0.14	72.71	456615.63	613389.90	
7255.00	0.77	208.84	7242.65	64.12	102.23	0.17	70.93	456613.92	613388.73	
7444.00	1.41	258.19	7431.62	62.53	99.34	0.57	69.15	456612.33	613385.84	
7633.00	1.57	208.59	7620.57	59.78	95.82	0.67	66.16	456609.58	613382.32	
7727.00	0.85	210.19	7714.54	58.05	94.85	0.77	64.37	456607.85	613381.35	
7822.00	0.66	261.39	7809.54	57.36	93.96	0.71	63.62	456607.16	613380.46	
7917.00	0.85	319.47	7904.53	57.81	92.96	0.79	64.00	456607.61	613379.46	
8011.00	1.12	316.17	7998.52	59.01	91.87	0.29	65.12	456608.81	613378.37	
8105.00	0.99	314.05	8092.50	60.23	90.65	0.14	66.26	456610.03	613377.15	
8200.00	0.71	299.22	8187.49	61.09	89.55	0.37	67.04	456610.89	613376.05	
8229.00	0.78	276.74	8216.49	61.20	89.20	1.03	67.13	456611.00	613375.70	
8260.00	0.78	318.50	8247.48	61.39	88.85	1.79	67.29	456611.19	613375.35	
8292.00	3.10	355.92	8279.46	62.41	88.64	7.89	68.30	456612.21	613375.14	
8323.00	6.32	12.82	8310.36	64.91	88.96	11.20	70.81	456614.71	613375.46	
8354.00	9.32	17.48	8341.07	68.97	90.09	9.88	74.94	456618.77	613376.59	
8386.00	11.38	8.50	8372.55	74.57	91.34	8.16	80.61	456624.37	613377.84	
8417.00	13.91	7.09	8402.79	81.29	92.25	8.22	87.38	456631.09	613378.75	
8449.00	16.49	7.07	8433.67	89.61	93.28	8.06	95.75	456639.41	613379.78	
8480.00	20.01	7.10	8463.10	99.25	94.48	11.35	105.44	456649.05	613380.98	
8512.00	22.12	6.16	8492.96	110.67	95.80	6.68	116.93	456660.47	613382.30	
8544.00	23.39	5.78	8522.47	122.98	97.09	4.00	129.30	456672.78	613383.59	
8575.00	25.52	4.44	8550.69	135.76	98.23	7.10	142.13	456685.56	613384.73	
8607.00	27.07	2.92	8579.38	149.91	99.13	5.28	156.30	456699.71	613385.63	
8638.00	28.93	359.86	8606.75	164.45	99.47	7.58	170.84	456714.25	613385.97	
8670.00	31.04	359.11	8634.47	180.44	99.33	6.70	186.78	456730.24	613385.83	
8701.00	33.88	359.39	8660.62	197.08	99.11	9.17	203.36	456746.88	613385.61	
8733.00	36.21	0.88	8686.82	215.45	99.16	7.76	221.70	456765.25	613385.66	
8765.00	38.48	359.12	8712.26	234.86	99.15	7.84	241.06	456784.66	613385.65	
8796.00	39.24	357.46	8736.40	254.30	98.57	4.16	260.41	456804.10	613385.07	
8828.00	41.85	357.96	8760.71	275.08	97.74	8.22	281.09	456824.88	613384.24	
8859.00	43.65	359.53	8783.47	296.12	97.28	6.75	302.05	456845.92	613383.78	
8891.00	46.43	359.84	8806.08	318.76	97.16	8.71	324.63	456868.56	613383.66	



Weatherford International Ltd.

WFT Survey Report X&Y's



Weatherford

Company: Occidental Permian Ltd.
Field: Eddy Co, NM (Nad 27)
Site: Cypress 34 Fed #9H
Well: Cypress 34 #9H
Wellpath: 1

Date: 4/21/2014 Time: 07:52:46 Page: 3
Co-ordinate(NE) Reference: Well: Cypress 34 #9H, Grid North
Vertical (TYD) Reference: SITE:3124.7
Section (VS) Reference: Well (0.00N;0.00E 3.90Azi)
Survey Calculation Method: Minimum Curvature Db: Sybase

Survey

MD ft	Incl deg	Azim deg	TYD ft	N/S ft	E/W ft	DLS deg/100ft	VS ft	MapN ft	MapE ft	Comment
8922.00	49.13	0.96	8826.91	341.71	97.33	9.11	347.54	456891.51	613383.83	
8954.00	52.04	1.58	8847.23	366.43	97.88	9.22	372.23	456916.23	613384.38	
8985.00	53.46	1.91	8865.99	391.09	98.63	4.66	396.89	456940.89	613385.13	
9016.00	54.59	2.30	8884.20	416.16	99.55	3.78	421.97	456965.96	613386.05	
9048.00	57.97	2.13	8901.97	442.75	100.58	10.57	448.57	456992.55	613387.08	
9080.00	59.94	3.24	8918.47	470.14	101.87	6.84	475.98	457019.94	613388.37	
9111.00	63.81	5.01	8933.08	497.40	103.84	13.46	503.31	457047.20	613390.34	
9143.00	67.05	6.40	8946.38	526.35	106.74	10.87	532.39	457076.15	613393.24	
9174.00	68.21	7.82	8958.18	554.80	110.29	5.65	561.01	457104.60	613396.79	
9206.00	71.11	7.09	8969.30	584.54	114.18	9.31	590.96	457134.34	613400.68	
9237.00	73.62	5.58	8978.69	613.90	117.43	9.33	620.47	457163.70	613403.93	
9269.00	77.44	4.42	8986.69	644.76	120.13	12.44	651.44	457194.56	613406.63	
9300.00	80.16	3.64	8992.71	675.10	122.27	9.11	681.85	457224.90	613408.77	
9332.00	83.83	4.02	8997.17	706.71	124.38	11.53	713.53	457256.51	613410.88	
9363.00	86.92	3.82	8999.67	737.53	126.50	9.99	744.43	457287.33	613413.00	
9393.00	88.39	2.95	9000.89	767.45	128.27	5.69	774.40	457317.25	613414.77	
9425.00	88.60	2.66	9001.73	799.40	129.83	1.12	806.38	457349.20	613416.33	
9456.00	88.95	2.43	9002.40	830.37	131.21	1.35	837.37	457380.17	613417.71	
9519.00	90.14	2.18	9002.90	893.31	133.74	1.93	900.34	457443.11	613420.24	
9582.00	91.19	1.96	9002.17	956.27	136.02	1.70	963.30	457506.07	613422.52	
9645.00	92.38	1.96	9000.20	1019.20	138.17	1.89	1026.23	457569.00	613424.67	
9739.00	92.45	2.21	8996.24	1113.05	141.59	0.28	1120.10	457662.85	613428.09	
9834.00	91.68	2.94	8992.82	1207.89	145.85	1.12	1215.01	457757.69	613432.35	
9928.00	93.42	2.07	8988.64	1301.70	149.96	2.07	1308.89	457851.50	613436.46	
10023.00	92.24	2.50	8983.95	1396.51	153.74	1.32	1403.73	457946.31	613440.24	
10118.00	88.60	2.74	8983.25	1491.39	158.08	3.84	1498.69	458041.19	613444.58	
10212.00	89.93	2.39	8984.46	1585.29	162.29	1.46	1592.66	458135.09	613448.79	
10307.00	89.09	3.34	8985.27	1680.17	167.04	1.33	1687.64	458229.97	613453.54	
10401.00	90.07	3.52	8985.96	1773.99	172.66	1.06	1781.63	458323.79	613459.16	
10496.00	88.46	3.32	8987.18	1868.81	178.33	1.71	1876.61	458418.61	613464.83	
10590.00	89.16	3.51	8989.13	1962.63	183.92	0.77	1970.59	458512.43	613470.42	
10685.00	88.88	3.22	8990.75	2057.45	189.50	0.42	2065.57	458607.25	613476.00	
10779.00	89.86	3.36	8991.79	2151.29	194.89	1.05	2159.56	458701.09	613481.39	
10874.00	88.67	2.78	8993.01	2246.14	199.98	1.39	2254.54	458795.94	613486.48	
10969.00	89.09	2.60	8994.86	2341.02	204.44	0.48	2349.50	458890.82	613490.94	
11063.00	89.37	2.57	8996.13	2434.91	208.68	0.30	2443.47	458984.71	613495.18	
11158.00	89.65	2.73	8996.94	2529.81	213.07	0.34	2538.44	459079.61	613499.57	
11252.00	91.54	2.63	8995.96	2623.69	217.47	2.01	2632.41	459173.49	613503.97	
11347.00	90.91	3.15	8993.93	2718.55	222.25	0.86	2727.37	459268.35	613508.75	
11441.00	90.63	3.21	8992.67	2812.40	227.47	0.30	2821.36	459362.20	613513.97	
11536.00	90.63	3.64	8991.62	2907.22	233.14	0.45	2916.35	459457.02	613519.64	
11631.00	89.23	3.62	8991.74	3002.03	239.16	1.47	3011.34	459551.83	613525.66	
11726.00	89.16	3.40	8993.07	3096.84	244.97	0.24	3106.33	459646.64	613531.47	
11820.00	88.74	3.24	8994.80	3190.67	250.42	0.48	3200.31	459740.47	613536.92	
11915.00	88.81	3.01	8996.83	3285.50	255.59	0.25	3295.28	459835.30	613542.09	
12010.00	88.67	3.37	8998.92	3380.33	260.88	0.41	3390.25	459930.13	613547.38	
12104.00	89.93	3.48	9000.06	3474.16	266.49	1.35	3484.24	460023.96	613552.99	
12198.00	90.28	3.33	8999.89	3567.99	272.08	0.41	3578.23	460117.79	613558.58	
12293.00	89.37	3.19	9000.18	3662.84	277.48	0.97	3673.23	460212.64	613563.98	
12387.00	88.88	3.29	9001.62	3756.67	282.79	0.53	3767.21	460306.47	613569.29	
12482.00	88.25	3.00	9004.00	3851.50	288.00	0.73	3862.17	460401.30	613574.50	
12577.00	89.02	3.26	9006.26	3946.33	293.19	0.86	3957.13	460496.13	613579.69	
12671.00	91.19	3.99	9006.09	4040.14	299.13	2.44	4051.13	460589.94	613585.63	



Weatherford International Ltd.

WFT Survey Report X&Y's



Weatherford

Company:	Occidental Permian Ltd.	Date:	4/21/2014	Time:	07:52:46	Page:	4
Field:	Eddy Co, NM (Nad 27)	Co-ordinate(NE) Reference:	Well: Cypress 34 #9H, Grid North				
Site:	Cypress 34 Fed #9H	Vertical (TVD) Reference:	SITE 3124.7				
Well:	Cypress 34 #9H	Section (VS) Reference:	Well (0.00N,0.00E,3.90Azi)				
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
12766.00	91.19	3.86	9004.11	4134.89	305.63	0.14	4146.11	460684.69	613592.13	
12860.00	90.98	3.48	9002.33	4228.68	311.65	0.46	4240.09	460778.48	613598.15	
12955.00	90.00	3.61	9001.52	4323.50	317.52	1.04	4335.08	460873.30	613604.02	
13050.00	90.21	2.32	9001.35	4418.37	322.44	1.38	4430.07	460968.17	613608.94	
13144.00	90.56	2.20	9000.72	4512.29	326.14	0.39	4524.03	461062.09	613612.64	
13239.00	90.56	2.16	8999.79	4607.22	329.76	0.04	4618.98	461157.02	613616.26	Last WFT MWD
13333.00	90.56	2.16	8998.87	4701.15	333.30	0.00	4712.93	461250.95	613619.80	Proj to Bit

Annotation

MD ft	TVD ft	
3111.00	3109.10	TieOn NOV
3253.00	3250.88	First WFT MWD
13239.00	8999.79	Last WFT MWD
13333.00	8998.87	Proj to Bit