



MWD Survey Certification

RECEIVED

MAR 11 2019

EMNRD-OGDARTESIA

Eddy County, NM

Client: EOG Resources

Well Name: Kirk Federal Com #3H

Intrepid Job No: ID2158

API No: 30-015-45662

Start Depth: 400' MD

End Depth: 9,115' MD

Start Date: 4/7/2019

End Date: 4/13/2019

I, Timothy Spann, certify that; I am employed by Intrepid Directional Drilling Specialists. On 4/7/2019 through 4/13/2019, we conducted or supervised the taking of the MWD surveys from a measured depth of 400 feet to a measured depth of 9,115 feet. The data is true, correct, and complete and within the limitation of the tool as set forth by Intrepid Directional Drilling Specialists. I am authorized and qualified to make this report and these surveys were conducted at the request of EOG Resources for the well Kirk Federal Com #3H, API no: 30-015-45662 in Eddy County, NM. I have reviewed this report and find that it conforms to the principals and procedures as set forth by Intrepid Directional Drilling Specialists.

Tim Spann

Tim Spann

MWD Coordinator

Intrepid Directional Drilling Specialists



EOG Resources - Midland

Eddy County, NM (NAD 83 NME)
(Kirk) Sec12_T-17-S_R-30-E
Kirk Federal Com #3H

OWB

Design: AWB

Standard Survey Report

16 April, 2019

The logo for Intrepid, featuring a stylized graphic of three vertical bars of increasing height to the left of the word "INTREPID" in a bold, uppercase sans-serif font.

INTREPID

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well Kirk Federal Com #3H
Project:	Eddy County, NM (NAD 83 NME)	TVD Reference:	KB @ 3773.5usft (Trinidad 436)
Site:	(Kirk) Sec12 T-17-S R-30-E	MD Reference:	KB @ 3773.5usft (Trinidad 436)
Well:	Kirk Federal Com #3H	North Reference:	Grid
Wellbore:	OWB	Survey Calculation Method:	Minimum Curvature
Design:	AWB	Database:	EDM 10_13

Project	Eddy County, NM (NAD 83 NME)		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	New Mexico Eastern Zone		

Site	(Kirk) Sec12 T-17-S R-30-E		
Site Position:		Northing:	673,435.00 usft
From:	Map	Easting:	664,546.00 usft
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "
		Latitude:	32° 51' 2.353 N
		Longitude:	103° 55' 55.648 W
		Grid Convergence:	0.22 °

Well	Kirk Federal Com #3H		
Well Position	+N/-S	0.0 usft	Northing: 674,208.00 usft
	+E/-W	0.0 usft	Easting: 664,649.00 usft
Position Uncertainty	0.0 usft	Wellhead Elevation:	usft
		Latitude:	32° 51' 9.998 N
		Longitude:	103° 55' 54.406 W
		Ground Level:	3,757.0 usft

Wellbore	OWB		
-----------------	-----	--	--

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	04/06/19	6.97	60.56	48,083.15565035

Design	AWB		
---------------	-----	--	--

Audit Notes:			
Version:	1.0	Phase:	ACTUAL
		Tie On Depth:	0.0

Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.0	0.0	0.0	80.19

Survey Program		Date	04/16/19		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
107.5	405.5	Invictus MWD (OWB)	MWD	MWD - Standard	
596.0	9,118.0	Intrepid MWD (OWB)	MWD	MWD - Standard	

Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00	
107.5	0.70	125.81	107.5	-0.4	0.5	0.5	0.65	0.65	0.00	
122.5	0.80	222.81	122.5	-0.5	0.5	0.4	7.50	0.67	646.67	
154.5	0.90	239.81	154.5	-0.8	0.2	0.0	0.84	0.31	53.13	
185.5	0.80	224.81	185.5	-1.1	-0.2	-0.4	0.78	-0.32	-48.39	
216.5	0.80	231.81	216.5	-1.4	-0.5	-0.7	0.32	0.00	22.58	
247.5	0.90	251.81	247.5	-1.6	-0.9	-1.2	1.00	0.32	64.52	
278.5	0.50	230.81	278.5	-1.7	-1.3	-1.5	1.51	-1.29	-67.74	
309.5	0.60	228.81	309.5	-1.9	-1.5	-1.8	0.33	0.32	-6.45	
339.5	0.50	275.81	339.5	-2.0	-1.7	-2.1	1.49	-0.33	156.67	

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well Kirk Federal Com #3H
Project:	Eddy County, NM (NAD 83 NME)	TVD Reference:	KB @ 3773.5usft (Trinidad 436)
Site:	(Kirk) Sec12_T-17-S-R-30-E	MD Reference:	KB @ 3773.5usft (Trinidad 436)
Well:	Kirk Federal Com #3H	North Reference:	Grid
Wellbore:	OWB	Survey Calculation Method:	Minimum Curvature
Design:	AWB	Database:	EDM 10_13

Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
372.5	0.10	43.81	372.5	-2.0	-1.9	-2.2	1.72	-1.21	387.88	
405.5	0.10	49.81	405.5	-1.9	-1.8	-2.1	0.03	0.00	18.18	
TIE ON										
596.0	0.26	136.66	596.0	-2.2	-1.4	-1.7	0.14	0.08	45.59	
787.0	0.35	192.21	787.0	-3.0	-1.2	-1.7	0.15	0.05	29.08	
977.0	0.62	142.64	977.0	-4.4	-0.7	-1.5	0.25	0.14	-26.09	
1,166.0	0.88	113.11	1,166.0	-5.8	1.2	0.2	0.24	0.14	-15.62	
1,355.0	1.10	103.18	1,354.9	-6.8	4.3	3.1	0.15	0.12	-5.25	
1,544.0	1.19	114.16	1,543.9	-8.0	7.9	6.4	0.13	0.05	5.81	
1,732.0	0.88	131.74	1,731.9	-9.8	10.8	8.9	0.23	-0.16	9.35	
1,921.0	1.01	121.19	1,920.8	-11.6	13.3	11.1	0.11	0.07	-5.58	
2,110.0	0.48	116.36	2,109.8	-12.8	15.4	13.0	0.28	-0.28	-2.56	
2,299.0	0.53	136.05	2,298.8	-13.8	16.7	14.1	0.10	0.03	10.42	
2,487.0	0.26	120.75	2,486.8	-14.6	17.7	14.9	0.15	-0.14	-8.14	
2,550.0	0.88	15.20	2,549.8	-14.2	17.9	15.2	1.56	0.98	-167.54	
2,614.0	2.15	356.56	2,613.8	-12.6	18.0	15.6	2.10	1.98	-29.13	
2,677.0	3.91	352.52	2,676.7	-9.3	17.6	15.8	2.81	2.79	-6.41	
2,740.0	6.33	354.89	2,739.4	-3.7	17.1	16.2	3.86	3.84	3.76	
2,803.0	8.53	359.73	2,801.9	4.5	16.7	17.2	3.63	3.49	7.68	
2,866.0	10.68	1.05	2,864.0	15.0	16.8	19.1	3.43	3.41	2.10	
2,928.0	12.75	1.75	2,924.7	27.6	17.1	21.6	3.35	3.34	1.13	
2,991.0	14.46	1.13	2,985.9	42.4	17.5	24.5	2.72	2.71	-0.98	
3,054.0	16.18	1.22	3,046.7	59.0	17.8	27.6	2.73	2.73	0.14	
3,117.0	17.76	2.45	3,107.0	77.4	18.4	31.3	2.57	2.51	1.95	
3,180.0	19.08	3.16	3,166.7	97.3	19.4	35.7	2.13	2.10	1.13	
3,243.0	20.57	4.39	3,226.0	118.6	20.8	40.7	2.46	2.37	1.95	
3,306.0	22.24	6.32	3,284.6	141.5	23.0	46.8	2.88	2.65	3.06	
3,344.0	22.99	8.43	3,319.7	156.0	24.9	51.1	2.91	1.97	5.55	
3,462.0	21.45	8.61	3,429.0	200.1	31.5	65.1	1.31	-1.31	0.15	
3,524.0	19.87	7.11	3,487.0	221.8	34.5	71.8	2.69	-2.55	-2.42	
3,587.0	19.82	6.67	3,546.2	243.0	37.0	77.9	0.25	-0.08	-0.70	
3,650.0	21.54	8.34	3,605.2	265.0	40.0	84.5	2.89	2.73	2.65	
3,713.0	23.30	10.45	3,663.4	288.7	43.9	92.5	3.07	2.79	3.35	
3,776.0	24.62	11.07	3,721.0	313.9	48.7	101.4	2.13	2.10	0.98	
3,839.0	24.84	11.07	3,778.2	339.7	53.7	110.8	0.35	0.35	0.00	
3,902.0	24.97	10.89	3,835.3	365.8	58.8	120.3	0.24	0.21	-0.29	
3,964.0	25.05	10.98	3,891.5	391.5	63.8	129.5	0.14	0.13	0.15	
4,027.0	25.32	10.63	3,948.5	417.9	68.8	139.0	0.49	0.43	-0.56	
4,090.0	27.34	6.06	4,005.0	445.5	72.8	147.6	4.54	3.21	-7.25	
4,153.0	29.41	5.71	4,060.4	475.3	75.9	155.7	3.30	3.29	-0.56	
4,216.0	30.59	7.99	4,115.0	506.5	79.6	164.8	2.60	1.87	3.62	
4,279.0	30.81	7.90	4,169.2	538.4	84.1	174.6	0.36	0.35	-0.14	
4,342.0	31.12	9.92	4,223.2	570.4	89.1	185.0	1.72	0.49	3.21	

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well Kirk Federal Com #3H
Project:	Eddy County, NM (NAD 83 NME)	TVD Reference:	KB @ 3773.5usft (Trinidad 436)
Site:	(Kirk) Sec12_T-17-S-R-30-E	MD Reference:	KB @ 3773.5usft (Trinidad 436)
Well:	Kirk Federal Com #3H	North Reference:	Grid
Wellbore:	OWB	Survey Calculation Method:	Minimum Curvature
Design:	AWB	Database:	EDM 10-13

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
4,404.0	30.20	18.10	4,276.5	601.0	96.7	197.7	6.88	-1.48	13.19
4,467.0	29.89	26.01	4,331.1	630.2	108.5	214.3	6.30	-0.49	12.56
4,530.0	30.07	33.39	4,385.7	657.5	124.1	234.3	5.86	0.29	11.71
4,593.0	31.38	44.11	4,439.9	682.5	144.2	258.4	8.93	2.08	17.02
4,656.0	34.11	53.34	4,492.9	704.8	169.8	287.4	9.02	4.33	14.65
4,719.0	38.37	62.39	4,543.7	724.5	201.4	321.9	10.84	6.76	14.37
4,781.0	41.63	70.57	4,591.3	740.2	237.9	360.5	9.97	5.26	13.19
4,844.0	45.19	76.90	4,637.0	752.3	279.4	403.5	8.92	5.65	10.05
4,907.0	49.32	81.91	4,679.8	760.7	324.8	449.7	8.78	6.56	7.95
4,970.0	54.59	86.04	4,718.6	765.8	374.2	499.2	9.83	8.37	6.56
5,033.0	60.84	89.90	4,752.3	767.7	427.3	551.9	11.19	9.92	6.13
5,096.0	63.87	91.05	4,781.5	767.2	483.1	606.8	5.07	4.81	1.83
5,159.0	67.43	90.96	4,807.5	766.2	540.5	663.2	5.65	5.65	-0.14
5,222.0	72.31	90.61	4,829.1	765.4	599.7	721.3	7.76	7.75	-0.56
5,285.0	77.27	90.34	4,845.7	764.9	660.4	781.1	7.88	7.87	-0.43
5,348.0	79.47	91.57	4,858.4	763.9	722.1	841.7	3.98	3.49	1.95
5,366.2	81.60	92.24	4,861.4	763.3	740.1	859.3	12.27	11.72	3.68
FTP @ 5366.2 MD, 100' FWL 502' FNL									
5,411.0	86.86	93.86	4,865.9	760.9	784.5	902.7	12.27	11.73	3.62
5,474.0	90.33	94.39	4,867.4	756.4	847.4	963.8	5.57	5.51	0.84
5,537.0	91.96	91.75	4,866.2	753.0	910.2	1,025.2	4.92	2.59	-4.19
5,600.0	91.65	89.38	4,864.2	752.4	973.2	1,087.2	3.79	-0.49	-3.76
5,663.0	89.49	87.53	4,863.5	754.1	1,036.2	1,149.5	4.51	-3.43	-2.94
5,726.0	88.92	85.69	4,864.4	757.8	1,099.1	1,212.1	3.06	-0.90	-2.92
5,789.0	87.34	85.33	4,866.5	762.7	1,161.8	1,274.8	2.57	-2.51	-0.57
5,851.0	89.36	86.83	4,868.3	766.9	1,223.7	1,336.4	4.06	3.26	2.42
5,914.0	90.07	87.09	4,868.6	770.3	1,286.6	1,399.0	1.20	1.13	0.41
5,977.0	90.73	87.53	4,868.1	773.2	1,349.5	1,461.5	1.26	1.05	0.70
6,040.0	91.03	88.32	4,867.2	775.5	1,412.4	1,523.9	1.34	0.48	1.25
6,103.0	89.36	89.64	4,866.9	776.6	1,475.4	1,586.2	3.38	-2.65	2.10
6,166.0	89.67	90.08	4,867.5	776.8	1,538.4	1,648.3	0.85	0.49	0.70
6,229.0	87.56	89.47	4,869.0	777.1	1,601.4	1,710.4	3.49	-3.35	-0.97
6,292.0	86.29	88.59	4,872.4	778.1	1,664.3	1,772.5	2.45	-2.02	-1.40
6,355.0	86.95	88.76	4,876.1	779.6	1,727.2	1,834.8	1.08	1.05	0.27
6,418.0	87.60	89.03	4,879.1	780.8	1,790.1	1,897.0	1.12	1.03	0.43
6,481.0	88.31	89.29	4,881.3	781.7	1,853.0	1,959.1	1.20	1.13	0.41
6,544.0	88.62	89.29	4,883.0	782.5	1,916.0	2,021.3	0.49	0.49	0.00
6,607.0	89.05	89.73	4,884.3	783.0	1,979.0	2,083.5	0.98	0.68	0.70
6,670.0	89.71	89.55	4,885.0	783.4	2,042.0	2,145.6	1.09	1.05	-0.29
6,733.0	90.29	89.47	4,885.0	784.0	2,105.0	2,207.8	0.93	0.92	-0.13
6,796.0	90.55	89.11	4,884.5	784.7	2,168.0	2,270.0	0.70	0.41	-0.57
6,857.0	90.95	89.03	4,883.7	785.7	2,229.0	2,330.3	0.67	0.66	-0.13
6,921.0	91.82	89.29	4,882.2	786.7	2,292.9	2,393.5	1.42	1.36	0.41
6,983.0	91.56	89.90	4,880.4	787.1	2,354.9	2,454.6	1.07	-0.42	0.98

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well Kirk Federal Com #3H
Project:	Eddy County, NM (NAD 83 NME)	TVD Reference:	KB @ 3773.5usft (Trinidad 436)
Site:	(Kirk) Sec 12 T-17-S R-30-E	MD Reference:	KB @ 3773.5usft (Trinidad 436)
Well:	Kirk Federal Com #3H	North Reference:	Grid
Wellbore:	OWB	Survey Calculation Method:	Minimum Curvature
Design:	AWB	Database:	EDM 10-13

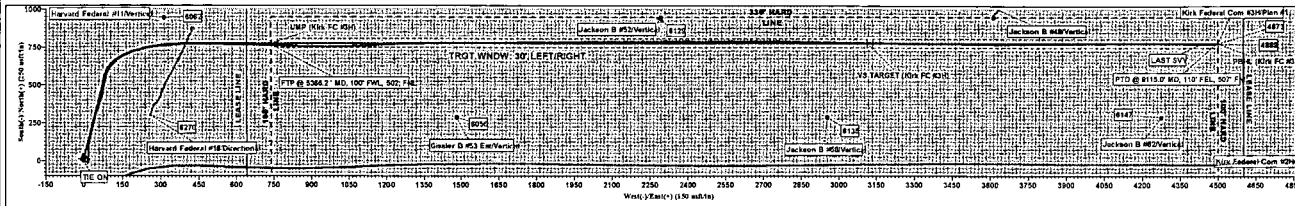
Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
7,047.0	89.19	90.34	4,879.9	787.0	2,418.9	2,517.6	3.77	-3.70	0.69
7,110.0	87.65	89.99	4,881.7	786.8	2,481.9	2,579.7	2.51	-2.44	-0.56
7,173.0	88.22	89.47	4,883.9	787.1	2,544.8	2,641.7	1.22	0.90	-0.83
7,235.0	89.05	89.64	4,885.4	787.6	2,606.8	2,702.9	1.37	1.34	0.27
7,298.0	89.80	89.64	4,886.1	788.0	2,669.8	2,765.0	1.19	1.19	0.00
7,361.0	88.26	90.78	4,887.1	787.7	2,732.8	2,827.1	3.04	-2.44	1.81
7,425.0	89.01	91.05	4,888.6	786.7	2,796.8	2,889.9	1.25	1.17	0.42
7,488.0	89.63	91.31	4,889.4	785.4	2,859.8	2,951.8	1.07	0.98	0.41
7,551.0	88.13	91.66	4,890.6	783.8	2,922.7	3,013.5	2.44	-2.38	0.56
7,613.0	88.57	91.57	4,892.4	782.0	2,984.7	3,074.3	0.72	0.71	-0.15
7,676.0	89.23	91.40	4,893.6	780.4	3,047.6	3,136.0	1.08	1.05	-0.27
7,739.0	90.42	91.93	4,893.8	778.6	3,110.6	3,197.8	2.07	1.89	0.84
7,802.0	91.52	91.93	4,892.7	776.5	3,173.6	3,259.5	1.75	1.75	0.00
7,865.0	91.74	91.40	4,891.0	774.6	3,236.5	3,321.2	0.91	0.35	-0.84
7,928.0	90.33	90.52	4,889.8	773.6	3,299.5	3,383.1	2.64	-2.24	-1.40
7,991.0	90.55	90.43	4,889.3	773.0	3,362.5	3,445.0	0.38	0.35	-0.14
8,054.0	89.32	90.78	4,889.4	772.4	3,425.5	3,507.0	2.03	-1.95	0.56
8,116.0	90.02	90.87	4,889.8	771.5	3,487.5	3,567.9	1.14	1.13	0.15
8,179.0	90.86	91.05	4,889.3	770.4	3,550.5	3,629.8	1.36	1.33	0.29
8,242.0	91.38	90.52	4,888.0	769.6	3,613.4	3,691.7	1.18	0.83	-0.84
8,305.0	89.14	89.38	4,887.8	769.6	3,676.4	3,753.8	3.99	-3.56	-1.81
8,368.0	89.32	89.38	4,888.6	770.3	3,739.4	3,816.0	0.29	0.29	0.00
8,430.0	89.58	89.03	4,889.2	771.2	3,801.4	3,877.2	0.70	0.42	-0.56
8,494.0	89.89	88.76	4,889.5	772.4	3,865.4	3,940.5	0.64	0.48	-0.42
8,557.0	90.37	88.67	4,889.4	773.8	3,928.4	4,002.8	0.78	0.76	-0.14
8,620.0	91.08	89.29	4,888.6	774.9	3,991.4	4,065.1	1.50	1.13	0.98
8,682.0	89.01	89.90	4,888.5	775.4	4,053.4	4,126.2	3.48	-3.34	0.98
8,745.0	89.76	90.08	4,889.2	775.4	4,116.4	4,188.3	1.22	1.19	0.29
8,807.0	90.59	90.34	4,889.0	775.2	4,178.4	4,249.3	1.40	1.34	0.42
8,871.0	88.92	90.43	4,889.3	774.7	4,242.4	4,312.3	2.61	-2.61	0.14
8,933.0	89.63	90.34	4,890.1	774.3	4,304.4	4,373.3	1.15	1.15	-0.15
8,996.0	90.11	90.43	4,890.2	773.9	4,367.4	4,435.4	0.78	0.76	0.14
9,059.0	90.77	90.52	4,889.7	773.4	4,430.3	4,497.3	1.06	1.05	0.14
LAST SVY									
9,118.0	90.77	90.52	4,888.9	772.8	4,489.3	4,555.4	0.00	0.00	0.00
PTD @ 9115.0' MD, 110' FEL, 507' FNL									

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well Kirk Federal Com #3H
Project:	Eddy County NM (NAD 83 NME)	TVD Reference:	KB @ 3773.5usft (Trinidad 436)
Site:	(Kirk) Sec12_T-17-S-R-30-E	MD Reference:	KB @ 3773.5usft (Trinidad 436)
Well:	Kirk Federal Com #3H	North Reference:	Grid
Wellbore:	OWB	Survey Calculation Method:	Minimum Curvature
Design:	AWB	Database:	EDM 10.13

Design Targets									
Target Name	hit/miss target	Dip Angle	Dip Dir.	TVD	+N/-S	+E/-W	Northing	Easting	Latitude Longitude
- Shape		(°)	(°)	(usft)	(usft)	(usft)	(usft)	(usft)	
UMP (Kirk FC #3H)		0.00	0.00	4,850.0	775.0	740.0	674,983.00	665,389.00	32° 51' 17.638 N 103° 55' 45.696 W
- actual wellpath misses target center by 16.2usft at 5363.9usft MD (4861.0 TVD, 763.3 N, 737.8 E)									
- Point									
VS TARGET (Kirk FC		0.00	269.96	4,855.0	777.0	3,113.6	674,984.98	667,762.59	32° 51' 17.567 N 103° 55' 17.870 W
- actual wellpath misses target center by 38.8usft at 7742.7usft MD (4893.8 TVD, 778.4 N, 3114.3 E)									
- Rectangle (sides W60.0 H2,350.5 D20.0)									
PBHL (Kirk FC #3H)		-0.75	269.98	4,873.0	778.0	4,499.0	674,986.00	669,148.00	32° 51' 17.523 N 103° 55' 1.629 W
- actual wellpath misses target center by 19.3usft at 9118.0usft MD (4888.9 TVD, 772.8 N, 4489.3 E)									
- Rectangle (sides W60.0 H1,365.3 D20.0)									

Design Annotations				
Measured Depth	Vertical Depth	Local Coordinates		Comment
(usft)	(usft)	+N/-S (usft)	+E/-W (usft)	
405.5	405.5	-1.9	-1.8	TIE ON
5,366.2	4,861.4	763.3	740.1	FTP @ 5366.2 ' MD, 100' FWL, 502' FNL
9,059.0	4,889.7	773.4	4,430.3	LAST SVY
9,118.0	4,888.9	772.8	4,489.3	PTD @ 9115.0' MD, 110' FEL, 507' FNL

Checked By: _____	Approved By: _____	Date: _____
-------------------	--------------------	-------------



EOG Resources - Midland
Project: Eddy County, NM (NAD 83 NME)
Site: (Kirk) Sec12, T-17-S, R-30-E
Well: Kirk Federal Com #3H
Wellbore: OWB
Design: AWS
Lat: 32° 51' 9.988 N
Long: 103° 55' 54.406 W
Pad GL: 3757.0
KB: KB @ 3773.5usft (Trinidad 436)

WELL DETAILS: Kirk Federal Com #3H

	+N/-S	+E/-W	North	East	Latitude	Longitude
0.0	0.0	0.0	674208.00	664649.00	32° 51' 9.988 N	103° 55' 54.406 W

SECTION DETAILS

MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	Vsect	Annotation
0.0	0.00	0.00	0.0	0.0	0.00	0.00	0.00	0.0	
2500.0	2.00	0.00	2500.0	0.0	0.00	0.00	0.00	0.0	NUDGE- Build 2.00
4129.5	32.59	8.20	4043.0	446.5	64.3	2.00	8.20	139.5	HOLD- 242.5 hold at 4129.5 MD
4372.0	32.59	8.20	4247.3	576.7	83.0	0.00	0.00	179.9	BLD- DLS 9.00 TFO 100.87
5047.3	60.00	89.95	4745.6	775.0	435.0	9.00	100.87	560.7	HOLD- 74.9 hold at 5047.3 MD
5122.2	60.00	89.95	4786.0	776.1	439.9	0.00	0.00	824.6	BLD- DLS 12.00 TFO 0.02
5371.2	89.88	89.96	4850.0	776.3	737.6	12.00	0.02	858.9	EOC- 2376.0 hold at 5371.2 MD
7747.2	89.88	89.96	4855.0	777.0	3113.6	0.00	0.00	3200.5	Start DLS 2.00 TFO -179.88
7778.8	89.25	89.96	4855.2	777.0	5145.1	2.00	-179.88	3231.5	Start 1554.0 hold at 7778.8 MD
9132.8	89.25	89.96	4873.0	776.0	4459.0	0.00	0.00	4865.8	TD at 9132.8

DESIGN TARGET DETAILS

Name	TVD	+N/-S	+E/-W	North	East
UMP (Kirk FC #3H)	4850.0	775.0	740.0	674983.00	666389.00
VS TARGET (Kirk FC #3H)	4855.0	777.0	3113.6	674984.96	667762.59
PBHL (Kirk FC #3H)	4873.0	776.0	4459.0	674986.00	669145.00

ANNOTATIONS

MD	Inc	Azi	TVD	+N/-S	+E/-W	VSecDeparture	Annotation
405.5	0.10	49.81	405.5	-1.9	-1.8	-2.1	3.9 TIE ON
5366.2	81.60	92.24	4861.4	763.3	740.1	859.3	1362.6 FTP @ 5366.2' MD, 100' FWL, 502' FNL
9059.0	90.77	90.52	4888.7	773.4	4430.3	4487.3	5054.2 LAST SVT
9118.0	90.77	90.52	4888.9	772.8	4459.3	4555.4	5113.2 PTD @ 9115.0' MD, 110' FEL, 507' FNL

