

Results of Directional Survey

API number:	30-025-41249		
OGRID:		Operator:	EOG RESOURCES INC
		Property:	FOX 30 STATE COM # 3H

surface	ULSTR:	H	30	T	25S	R	34E
				2140	FNL	715	FEL

BH Loc	ULSTR:	P	30	T	25S	R	34E
17680	MD	9632.2	TVD	227	FSL	941	FEL
				10333	FNL		

Top Perf/OH	ULSTR:	H	30	T	25S	R	34E
10313	MD	9658.1	TVD	2968	FNL	991	FEL

Bot Perf/OH	ULSTR:	P	30	T	25S	R	34E
17560	MD	9629.7	TVD	347	FSL	943	FEL
				10213	FNL		

	MD	N/S	E/W	VD
	10276	-790.74	-275.48	9658.32
TOP PERFS/OH	10313	-827.74	-275.85	9658.06
	10371	-885.73	-276.42	9657.66
	17485	-7997.72	-229.51	9627.67
BOT PERFS/OH	17560	-8072.66	-227.67	9629.74
	17579	-8091.65	-227.21	9630.27

NEXT TO LAST	17646	-8158.62	-226.15	9631.81
LAST READING	17680	-8192.62	-226.00	9632.15
TD	17680	-8192.62	-226.00	9632.15

Surface Location	2140	FN	715	FE
Projected BHL	10333	FN	941	FE
Location of				
Top Perfs/OH	2968	FN	991	FE
Bottom Perfs/OH	10213	FN	943	FE

SUMMARY of Subsurface Locations

Surface Location	H-30-25S-34E	2140	FN	715	FE	Vert. Depth
Top Perfs/OH	H-30-25S-34E	2968	FN	991	FE	9658.06
Bottom Perfs/OH	P-30-25S-34E	10213	FN	943	FE	9629.74
Projected TD	P-30-25S-34E	10333	FN	941	FE	9632.15

APR 14 2010



EOG Fox 30 State Com 3H Surveys from 0ft to 17680ft MD Survey Geodetic Report (Def Survey)

PATHFINDER
A Schlumberger Company

Report Date: August 12, 2013 - 08:31 AM
Client: Eog Resources
Field: NM Lea County (NAD 27)
Structure / Slot: EOG Fox 30 State Com 3H / EOG Fox 30 State Com 3H
Well: EOG Fox 30 State Com 3H
Borehole: Original Borehole
UWI / API#: Cactus 123 / Unknown
Survey Name: EOG Fox 30 State Com 3H Surveys from 0ft to 17680ft MD
Survey Date: July 22, 2013
Tort / AHD / DDI / ERD Ratio: 205.063 / 8318.110 ft / 6.494 / 0.861
Coordinate Reference System: NAD27 New Mexico State Plane, Eastern Zone, US Feet
Location Lat / Long: N 32° 6' 9.90606", W 103° 30' 8.37503"
Location Grid N/E Y/X: N 402096.000 RUS, E 757324.000 RUS
CRS Grid Convergence Angle: 0.4417°
Grid Scale Factor: 0.99998493

Survey / DLS Computation: Minimum Curvature / Lubinski
Vertical Section Azimuth: 181.517° (Grid North)
Vertical Section Origin: 0.000 ft, 0.000 ft
TVD Reference Datum: RKB
TVD Reference Elevation: 3357.000 ft above
Seabed / Ground Elevation: 3327.000 ft above
Magnetic Declination: 7.392°
Total Gravity Field Strength: 998.4837 mgn (9.80665 Based)
Total Magnetic Field Strength: 48309.605 nT
Magnetic Dip Angle: 59.987°
Declination Date: July 22, 2013
Magnetic Declination Model: BGGM 2012
North Reference: Grid North
Grid Convergence Used: 0.4417°
Total Corr Mag North->Grid North: 6.9504°

HOBBS OCD

FEB 10 2014

RECEIVED

Local Coord Referenced To: Structure Reference Point

Comments	MD (ft)	Incl (°)	Azim Grid (°)	TVD (ft)	TVDSS (ft)	VSEC (ft)	NS (ft)	EW (ft)	DLS (°/100ft)	Northing (ft)	Easting (ft)	Latitude (N/S ° ' ")	Longitude (E/W ° ' ")
SHL	0.00	0.00	0.00	0.00	-3357.00	0.00	0.00	0.00	N/A	402096.00	757324.00	N 32 6 9.91	W 103 30 8.38
	164.00	0.53	328.43	164.00	-3193.00	-0.64	0.65	-0.40	0.32	402096.65	757323.60	N 32 6 9.91	W 103 30 8.38
	256.00	0.62	343.64	256.99	-3101.01	-1.47	1.49	-0.76	0.19	402097.49	757323.24	N 32 6 9.92	W 103 30 8.38
	345.00	0.53	359.19	344.99	-3012.01	-2.34	2.36	-0.90	0.20	402098.36	757323.10	N 32 6 9.93	W 103 30 8.39
	439.00	0.16	339.42	438.99	-2918.01	-2.91	2.93	-0.96	0.39	402098.93	757323.04	N 32 6 9.94	W 103 30 8.39
	500.00	0.00	285.10	499.99	-2857.01	-3.00	3.02	-0.99	0.30	402099.02	757323.01	N 32 6 9.94	W 103 30 8.39
	592.00	0.00	86.21	591.99	-2765.01	-3.00	3.02	-0.99	0.00	402099.02	757323.01	N 32 6 9.94	W 103 30 8.39
	683.00	0.26	39.89	682.99	-2674.01	-3.16	3.18	-0.86	0.29	402099.18	757323.14	N 32 6 9.94	W 103 30 8.38
	775.00	0.26	138.94	774.99	-2582.01	-3.17	3.18	-0.59	0.43	402099.18	757323.41	N 32 6 9.94	W 103 30 8.38
	866.00	0.35	135.07	865.98	-2491.02	-2.82	2.83	-0.26	0.10	402098.83	757323.74	N 32 6 9.93	W 103 30 8.38
	957.00	0.53	173.57	956.98	-2400.02	-2.22	2.22	-0.01	0.37	402098.22	757323.99	N 32 6 9.93	W 103 30 8.38
	975.00	0.44	165.57	974.98	-2382.02	-2.07	2.07	0.01	0.62	402098.07	757324.01	N 32 6 9.93	W 103 30 8.37
	1151.00	0.62	143.33	1150.97	-2206.03	-0.67	0.65	0.75	0.15	402096.65	757324.75	N 32 6 9.91	W 103 30 8.37
	1341.00	1.06	324.74	1340.97	-2016.03	-1.27	1.26	0.35	0.88	402097.26	757324.35	N 32 6 9.92	W 103 30 8.37
	1531.00	1.23	324.65	1530.93	-1826.07	-4.31	4.36	-1.85	0.09	402100.36	757322.15	N 32 6 9.95	W 103 30 8.40
	1721.00	0.88	230.96	1720.91	-1636.09	-4.99	5.10	-4.16	0.82	402101.10	757319.84	N 32 6 9.96	W 103 30 8.42
	1910.00	0.35	122.68	1909.90	-1447.10	-3.75	3.88	-4.80	0.55	402099.88	757319.20	N 32 6 9.94	W 103 30 8.43
	2100.00	0.26	73.72	2099.90	-1257.10	-3.58	3.68	-3.90	0.14	402098.68	757320.10	N 32 6 9.94	W 103 30 8.42
	2290.00	0.44	98.25	2289.89	-1067.11	-3.63	3.70	-2.76	0.12	402098.70	757321.24	N 32 6 9.94	W 103 30 8.41
	2481.00	0.26	355.41	2480.89	-876.11	-3.97	4.03	-2.07	0.29	402100.03	757321.93	N 32 6 9.95	W 103 30 8.40
	2671.00	0.53	12.99	2670.89	-686.11	-5.26	5.31	-1.91	0.15	402101.31	757322.09	N 32 6 9.96	W 103 30 8.40
	2862.00	0.70	283.96	2861.88	-495.12	-6.38	6.45	-2.84	0.46	402092.45	757321.16	N 32 6 9.97	W 103 30 8.41
	3052.00	1.23	155.64	3051.86	-305.14	-4.79	4.88	-3.13	0.92	402100.88	757320.87	N 32 6 9.95	W 103 30 8.41
	3241.00	1.32	141.40	3240.82	-116.18	-1.30	1.33	-0.93	0.17	402097.33	757323.07	N 32 6 9.92	W 103 30 8.39
	3431.00	0.44	46.22	3430.80	73.80	-0.15	0.12	0.96	0.75	402096.12	757324.96	N 32 6 9.91	W 103 30 8.36
	3620.00	0.44	202.57	3619.80	262.80	0.01	-0.05	1.21	0.46	402095.95	757325.21	N 32 6 9.91	W 103 30 8.36
	3809.00	0.79	230.26	3808.79	451.79	1.55	-1.55	-0.08	0.24	402094.45	757323.92	N 32 6 9.89	W 103 30 8.38
	3999.00	0.35	138.68	3998.78	641.78	2.84	-2.82	-0.70	0.46	402093.18	757323.30	N 32 6 9.88	W 103 30 8.38
	4189.00	0.18	323.07	4188.78	831.78	3.03	-3.02	-0.50	0.28	402092.98	757323.50	N 32 6 9.88	W 103 30 8.38
	4379.00	0.44	345.48	4378.78	1021.78	2.10	-2.08	-0.86	0.15	402093.92	757323.14	N 32 6 9.89	W 103 30 8.39
	4569.00	0.62	118.20	4568.77	1211.77	1.86	-1.85	-0.13	0.51	402094.15	757323.87	N 32 6 9.89	W 103 30 8.38
	4759.00	0.35	297.67	4758.77	1401.77	2.06	-2.07	0.28	0.51	402093.93	757324.26	N 32 6 9.89	W 103 30 8.37
	4948.00	0.26	320.79	4947.77	1590.77	1.48	-1.47	-0.53	0.08	402094.53	757323.47	N 32 6 9.89	W 103 30 8.38
	5110.00	0.53	302.07	5109.76	1752.76	0.82	-0.79	-1.39	0.18	402095.21	757322.61	N 32 6 9.90	W 103 30 8.39
	5219.00	0.62	277.37	5218.76	1861.76	0.51	-0.44	-2.40	0.24	402095.56	757321.60	N 32 6 9.90	W 103 30 8.40
	5410.00	0.79	279.92	5409.74	2052.74	0.21	-0.09	-4.73	0.09	402095.91	757319.27	N 32 6 9.91	W 103 30 8.43
	5599.00	0.18	263.30	5598.74	2241.74	0.06	0.10	-6.30	0.33	402096.10	757317.70	N 32 6 9.91	W 103 30 8.45
	5790.00	0.35	283.08	5789.73	2432.73	-0.01	0.20	-7.17	0.10	402096.20	757316.83	N 32 6 9.91	W 103 30 8.46
	5980.00	0.26	103.52	5979.73	2622.73	-0.04	0.23	-7.32	0.32	402096.23	757316.68	N 32 6 9.91	W 103 30 8.46
	6170.00	0.26	103.08	6169.73	2812.73	0.14	0.03	-6.48	0.00	402096.03	757317.52	N 32 6 9.91	W 103 30 8.45
	6360.00	0.35	135.25	6359.73	3002.73	0.63	-0.48	-5.65	0.10	402095.52	757318.35	N 32 6 9.90	W 103 30 8.44
	6550.00	0.35	130.33	6549.72	3192.72	1.39	-1.26	-4.80	0.02	402094.74	757319.20	N 32 6 9.89	W 103 30 8.43
	6740.00	0.44	137.71	6739.72	3382.72	2.28	-2.18	-3.87	0.05	402093.82	757320.13	N 32 6 9.88	W 103 30 8.42
	6930.00	0.53	160.03	6929.71	3572.71	3.62	-3.54	-3.07	0.11	402092.46	757320.93	N 32 6 9.87	W 103 30 8.41
	7119.00	0.26	292.13	7118.71	3761.71	4.29	-4.20	-3.17	0.39	402091.80	757320.83	N 32 6 9.86	W 103 30 8.41
	7309.00	0.35	301.89	7308.71	3951.71	3.84	-3.74	-4.06	0.05	402092.26	757319.94	N 32 6 9.87	W 103 30 8.42
	7500.00	0.09	319.47	7499.71	4142.71	3.44	-3.31	-4.66	0.14	402092.69	757319.34	N 32 6 9.87	W 103 30 8.43
	7690.00	0.18	132.96	7689.71	4332.71	3.52	-3.40	-4.54	0.14	402092.60	757319.46	N 32 6 9.87	W 103 30 8.43
	7880.00	0.70	312.61	7879.70	4522.70	2.96	-2.82	-5.17	0.46	402093.18	757318.83	N 32 6 9.88	W 103 30 8.44
	8070.00	0.44	273.32	8069.68	4712.69	2.17	-1.99	-6.75	0.24	402094.01	757317.25	N 32 6 9.89	W 103 30 8.45
	8260.00	0.18	206.79	8259.69	4902.69	2.42	-2.22	-7.62	0.21	402093.78	757316.38	N 32 6 9.88	W 103 30 8.46
	8451.00	0.26	65.29	8450.69	5093.69	2.50	-2.30	-7.36	0.22	402093.70	757316.64	N 32 6 9.88	W 103 30 8.46
	8641.00	0.09	93.59	8640.69	5283.69	2.31	-2.13	-6.82	0.10	402093.87	757317.18	N 32 6 9.89	W 103 30 8.45
	8831.00	0.26	231.05	8830.69	5473.69	2.60	-2.41	-7.00	0.17	402093.59	757317.00	N 32 6 9.88	W 103 30 8.46
	9020.00	0.44	240.98	9019.69	5662.69	3.24	-3.03	-7.97	0.10	402092.97	757316.03	N 32 6 9.88	W 103 30 8.47
	9079.00	0.44	251.53	9078.68	5721.68	3.44	-3.22	-8.39	0.14	402092.78	757315.61	N 32 6 9.87	W 103 30 8.47
	9116.00	0.79	239.19	9115.68	5758.68	3.62	-3.39	-8.74	1.01	402092.61	757315.26	N 32 6 9.87	W 103 30 8.48
	9148.00	2.73	220.33	9147.66	5790.66	4.33	-4.09	-9.42	6.25	402091.91	757314.58	N 32 6 9.87	W 103 30 8.48
	9179.00	5.28	214.93	9178.59	5821.59	6.10	-5.82	-10.72	8.31	402090.18	757313.28	N 32 6 9.85	W 103 30 8.50
	9211.00	8.44	213.66	9210.35	5853.35	9.32	-8.98	-12.86	9.89	402087.02	757311.14	N 32 6 9.82	W 103 30 8.53
	9243.00	12.75	212.67	9241.80	5884.80	14.33	-13.91	-16.07	13.48	402082.09	757307.93	N 32 6 9.77	W 103 30 8.56
	9275.00	17.24	212.51	9272.70	5915.70	21.42	-20.89	-20.53	14.03	402075.11	757303.47	N 32 6 9.70	W 103 30 8.62
	9306.00	20.66	212.24	9302.02	5945.02	30.06	-29.39	-25.92	11.04	402066.61	757298.08	N 32 6 9.62	W 103 30 8.68
	9338.00	24.18	211.49	9331.60	5974.60	40.60	-39.75	-32.35	11.04	402056.25	757291.65	N 32 6 9.52	W 103 30 8.75
	9370.00	27.17	211.73	9360.43	6003.43	52.59	-51.56	-39.62	9.35	402044.44	757284.38	N 32 6 9.40	W 103 30 8.84
	9401.00	30.16	211.65	9387.63	6030.63	65.44	-64.21	-47.43	9.65	402031.79	757276.57	N 32 6 9.27	W 103 30 8.93
	9433.00	33.85	211.20	9414.76	6057.76	80.15	-78.68	-56.27	11.56	402017.32	757267.73	N 32 6 9.13	W 103 30 9.04
	9465.00	37.28	210.25	9440.79	6083.79	96.39	-94.68	-65.77	10.86	402001.32	757258.23	N 32 6 8.97	W 103 30 9.15
	9496.00	40.10	210.69	9464.98	6107.98	113.34	-111.38	-75.60	9.14	401984.62	757248.40	N 32 6 8.81	W 103 30 9.26

Comments	MD (ft)	Incl (°)	Azim Grid (°)	TVD (ft)	TVDSS (ft)	VSEC (ft)	NS (ft)	EW (ft)	DLS (ft/100ft)	Northing (NUS)	Easting (EUS)	Latitude (N S ° ° °)	Longitude (E W ° ° °)
	9528.00	43.26	210.08	9488.88	6131.88	131.98	-129.74	-86.36	9.96	401968.26	757237.64	N 32 6 8.63	W 103 30 9.39
	9560.00	46.96	209.77	9511.46	6154.46	151.92	-149.38	-97.86	11.58	401948.62	757226.34	N 32 6 8.44	W 103 30 9.52
	9591.00	50.56	207.84	9531.89	6174.89	172.63	-169.81	-108.88	12.52	401928.19	757215.12	N 32 6 8.23	W 103 30 9.66
	9623.00	54.34	208.97	9551.39	6194.39	195.25	-192.12	-120.95	12.14	401903.89	757203.05	N 32 6 8.01	W 103 30 9.80
	9655.00	57.42	209.15	9569.34	6212.34	218.74	-215.27	-133.82	9.64	401880.73	757190.18	N 32 6 7.79	W 103 30 9.95
	9686.00	60.06	209.90	9585.43	6228.43	242.13	-239.33	-146.86	8.76	401857.68	757177.12	N 32 6 7.56	W 103 30 10.10
	9718.00	63.58	209.78	9600.53	6243.53	266.96	-262.79	-160.91	11.00	401833.21	757163.09	N 32 6 7.32	W 103 30 10.27
	9749.00	68.32	208.77	9613.16	6256.16	292.00	-287.48	-174.75	15.58	401808.53	757149.25	N 32 6 7.07	W 103 30 10.43
	9781.00	73.42	208.50	9623.65	6266.65	318.90	-314.00	-189.23	15.96	401782.00	757134.77	N 32 6 6.81	W 103 30 10.60
	9813.00	77.65	207.44	9631.64	6274.64	346.64	-341.37	-203.76	13.60	401754.64	757120.25	N 32 6 6.54	W 103 30 10.77
	9844.00	79.40	205.07	9637.81	6280.81	374.23	-368.51	-217.19	9.38	401727.40	757106.81	N 32 6 6.28	W 103 30 10.93
	9875.00	79.49	202.28	9643.49	6286.49	402.45	-396.52	-229.43	8.85	401699.49	757094.57	N 32 6 6.00	W 103 30 11.08
	9907.00	80.11	199.86	9649.16	6292.16	432.22	-426.00	-240.49	10.70	401670.01	757083.51	N 32 6 5.71	W 103 30 11.21
	9938.00	81.69	196.85	9654.06	6297.06	461.66	-455.21	-249.62	10.68	401640.80	757074.38	N 32 6 5.42	W 103 30 11.32
	9970.00	84.50	192.63	9657.91	6300.91	492.64	-480.00	-257.43	13.30	401610.01	757066.57	N 32 6 5.12	W 103 30 11.41
	10002.00	88.11	189.99	9659.97	6302.97	524.10	-517.30	-263.69	13.97	401578.71	757060.31	N 32 6 4.81	W 103 30 11.49
	10034.00	90.04	186.84	9660.49	6303.49	555.86	-548.95	-268.37	11.54	401547.06	757055.63	N 32 6 4.49	W 103 30 11.54
	10065.00	89.87	183.71	9660.51	6303.51	586.79	-579.81	-271.22	10.11	401516.20	757052.78	N 32 6 4.19	W 103 30 11.58
	10097.00	89.96	181.62	9660.56	6303.56	618.78	-611.78	-272.71	6.54	401484.23	757051.30	N 32 6 3.87	W 103 30 11.60
	10160.00	90.82	180.44	9660.07	6303.07	681.78	-674.76	-273.84	2.41	401421.25	757050.16	N 32 6 3.25	W 103 30 11.62
	10181.00	91.10	180.54	9659.70	6302.70	702.77	-695.76	-274.02	0.98	401400.25	757049.98	N 32 6 3.04	W 103 30 11.62
	10276.00	90.57	181.22	9658.32	6301.32	797.75	-790.74	-275.48	0.91	401305.28	757048.53	N 32 6 2.10	W 103 30 11.65
	10371.00	90.22	179.92	9657.66	6300.66	892.74	-885.73	-276.42	1.42	401210.29	757047.51	N 32 6 1.16	W 103 30 11.67
	10465.00	89.87	179.65	9657.59	6300.59	986.69	-979.73	-276.07	0.47	401116.29	757047.93	N 32 6 0.23	W 103 30 11.67
	10560.00	90.48	178.74	9657.30	6300.30	1081.61	-1074.72	-274.74	1.15	401021.30	757049.27	N 32 5 59.29	W 103 30 11.66
	10655.00	90.40	179.23	9656.57	6299.57	1176.52	-1169.70	-273.05	0.52	400926.32	757050.95	N 32 5 58.35	W 103 30 11.65
	10750.00	90.04	178.83	9656.21	6299.21	1271.43	-1264.68	-271.45	0.57	400831.34	757052.56	N 32 5 57.41	W 103 30 11.64
	10845.00	90.31	178.85	9655.92	6298.92	1366.32	-1359.66	-269.52	0.28	400736.36	757054.48	N 32 5 56.47	W 103 30 11.63
	10940.00	90.22	179.96	9655.48	6298.48	1461.25	-1454.66	-268.54	1.17	400641.37	757055.47	N 32 5 55.53	W 103 30 11.63
	11034.00	90.13	180.34	9655.19	6298.19	1556.23	-1548.65	-268.78	0.42	400547.37	757055.22	N 32 5 54.60	W 103 30 11.64
	11129.00	90.31	179.62	9654.82	6297.82	1650.19	-1643.65	-268.75	0.78	400452.38	757055.26	N 32 5 53.86	W 103 30 11.65
	11224.00	90.40	179.34	9654.24	6297.24	1745.13	-1738.65	-267.89	0.31	400357.38	757056.12	N 32 5 52.72	W 103 30 11.64
	11318.00	90.57	179.31	9653.44	6296.44	1839.06	-1832.64	-266.78	0.18	400263.39	757056.22	N 32 5 51.79	W 103 30 11.64
	11413.00	90.31	180.36	9652.71	6295.71	1934.01	-1927.63	-266.51	1.14	400168.40	757057.50	N 32 5 50.85	W 103 30 11.65
	11508.00	90.04	180.38	9652.42	6295.42	2028.99	-2022.63	-267.12	0.28	400073.40	757056.89	N 32 5 49.91	W 103 30 11.66
	11596.00	89.25	181.44	9652.97	6295.97	2116.98	-2110.62	-268.52	1.50	399985.42	757055.49	N 32 5 49.04	W 103 30 11.69
	11689.00	89.78	181.90	9653.75	6296.75	2209.98	-2203.57	-271.23	0.75	399892.47	757052.78	N 32 5 48.12	W 103 30 11.73
	11784.00	90.22	181.29	9653.75	6296.75	2304.98	-2298.53	-273.87	0.79	399797.51	757050.13	N 32 5 47.19	W 103 30 11.76
	11879.00	89.87	180.02	9653.68	6296.68	2399.97	-2393.53	-274.96	1.39	399702.52	757049.05	N 32 5 46.24	W 103 30 11.79
	11974.00	89.43	178.45	9654.26	6297.26	2494.89	-2488.51	-273.69	1.72	399607.53	757050.32	N 32 5 45.30	W 103 30 11.78
	12069.00	90.04	178.50	9654.70	6297.70	2589.75	-2583.48	-271.16	0.64	399512.57	757052.84	N 32 5 44.36	W 103 30 11.76
	12164.00	90.31	178.68	9654.41	6297.41	2684.63	-2678.45	-268.82	0.34	399417.60	757055.18	N 32 5 43.42	W 103 30 11.74
	12259.00	90.04	178.73	9654.12	6297.12	2779.55	-2773.44	-267.51	1.14	399322.61	757056.50	N 32 5 42.48	W 103 30 11.73
	12354.00	90.31	179.67	9653.83	6296.83	2874.50	-2868.44	-267.01	0.29	399227.61	757057.00	N 32 5 41.54	W 103 30 11.74
	12448.00	89.96	179.12	9653.61	6296.61	2969.43	-2963.43	-266.02	0.69	399133.62	757057.99	N 32 5 40.61	W 103 30 11.73
	12544.00	89.60	178.45	9653.97	6296.97	3064.32	-3058.41	-263.98	0.79	399037.65	757060.02	N 32 5 39.66	W 103 30 11.72
	12638.00	90.22	178.00	9654.12	6297.12	3158.17	-3152.36	-261.07	0.81	398943.69	757062.94	N 32 5 38.73	W 103 30 11.69
	12733.00	90.48	177.91	9653.54	6296.54	3252.98	-3247.30	-257.68	0.29	398848.76	757066.33	N 32 5 37.79	W 103 30 11.66
	12827.00	91.01	177.45	9652.32	6295.32	3346.76	-3341.21	-253.87	0.75	398754.84	757070.13	N 32 5 36.86	W 103 30 11.63
	12922.00	90.75	178.65	9650.86	6293.86	3441.58	-3436.14	-250.64	1.29	398659.81	757073.36	N 32 5 35.92	W 103 30 11.60
	13017.00	89.34	180.32	9650.79	6293.79	3536.51	-3531.13	-249.79	2.30	398564.93	757074.22	N 32 5 34.98	W 103 30 11.59
	13113.00	89.16	180.27	9652.04	6295.04	3632.48	-3627.13	-250.28	0.19	398468.94	757073.72	N 32 5 34.03	W 103 30 11.61
	13207.00	90.31	180.90	9652.48	6295.48	3726.46	-3721.12	-251.24	1.39	398374.95	757072.76	N 32 5 33.10	W 103 30 11.63
	13302.00	89.96	180.55	9652.25	6295.25	3821.45	-3816.11	-252.44	0.52	398279.96	757071.56	N 32 5 32.16	W 103 30 11.65
	13397.00	90.13	180.27	9652.18	6295.18	3916.44	-3911.11	-253.12	0.34	398184.96	757070.88	N 32 5 31.22	W 103 30 11.67
	13492.00	90.40	179.73	9651.74	6294.74	4011.40	-4006.10	-253.12	0.64	398089.96	757070.88	N 32 5 30.28	W 103 30 11.66
	13587.00	90.13	178.33	9651.30	6294.30	4106.31	-4101.09	-251.52	1.50	397994.98	757072.49	N 32 5 29.34	W 103 30 11.67
	13682.00	90.48	178.95	9650.79	6293.79	4201.19	-4196.06	-249.26	0.75	397900.01	757074.74	N 32 5 28.40	W 103 30 11.65
	13777.00	90.40	178.87	9650.07	6293.07	4296.09	-4291.04	-247.45	0.12	397805.03	757076.55	N 32 5 27.46	W 103 30 11.64
	13872.00	90.66	178.53	9649.19	6292.19	4390.97	-4386.01	-245.30	0.45	397710.06	757078.71	N 32 5 26.52	W 103 30 11.62
	13967.00	89.96	178.43	9648.67	6291.67	4485.83	-4480.97	-242.78	0.74	397615.10	757081.23	N 32 5 25.58	W 103 30 11.60
	14062.00	90.84	179.03	9648.01	6291.01	4580.72	-4575.95	-240.67	1.12	397520.13	757083.33	N 32 5 24.64	W 103 30 11.58
	14157.00	90.66	180.62	9646.77	6289.77	4675.66	-4670.94	-240.38	1.68	397425.14	757082.62	N 32 5 23.70	W 103 30 11.59
	14252.00	90.84	181.20	9645.52	6288.52	4770.65	-4765.92	-241.89	0.64	397330.17	757082.11	N 32 5 22.76	W 103 30 11.61
	14347.00	90.75	181.60	9644.20	6287.20	4865.64	-4860.88	-244.21	0.43	397235.21	757079.79	N 32 5 21.82	W 103 30 11.65
	14442.00	90.04	181.05	9643.55	6286.55	4960.64	-4955.85	-246.41	0.95	397140.24	757077.60	N 32 5 20.88	W 103 30 11.68
	14538.00	90.13	180.41	9643.41	6286.41	5056.63	-5051.84	-247.63	0.67	397044.25	757076.37	N 32 5 19.94	W 103 30 11.71
	14633.00	89.96	179.75	9643.33	6286.33	5151.60	-5146.84	-247.76	0.72	396949.25	757076.24	N 32 5 19.00	W 103 30 11.72
	14728.00	90.40	179.63	9643.03	6286.03	5246.55	-5241.84	-247.25	0.48	396854.25	757076.75	N 32 5 18.05	W 103 30 11.72
	14823.00	90.66	178.80	9642.16	6285.16	5340.47	-5335.82	-245.96	0.93	396760.27	757078.04	N 32 5 17.12	W 103 30 11.71
	14917.00	90.57	178.43	9641.14	6284.14	5435.34	-5430.79	-243.67</					

Comments	MD (ft)	Incl (°)	Azim Grid (°)	TVD (ft)	TVDSS (ft)	VSEC (ft)	NS (ft)	EW (ft)	DLS (°/100ft)	Northing (ftUS)	Easting (ftUS)	Latitude (N/S ° ° '")	Longitude (E/W ° ° '")
	17105.00	90.31	182.03	9623.88	6266.88	7621.19	-7617.94	-223.07	0.71	394478.19	757100.93	N 32 4 54.54	W 103 30 11.65
	17200.00	89.52	182.11	9624.02	6267.02	7716.17	-7712.88	-226.50	0.84	394383.25	757097.50	N 32 4 53.60	W 103 30 11.70
	17295.00	90.48	182.45	9624.02	6267.02	7811.16	-7607.80	-230.28	1.07	394288.33	757093.72	N 32 4 52.66	W 103 30 11.75
	17390.00	88.11	178.93	9625.19	6268.19	7906.13	-7902.77	-231.42	4.47	394193.37	757092.58	N 32 4 51.72	W 103 30 11.77
	17485.00	88.90	178.76	9627.67	6270.67	8000.99	-7997.72	-229.51	0.85	394098.42	757094.49	N 32 4 50.78	W 103 30 11.76
	17579.00	87.93	178.44	9630.27	6273.27	8094.83	-8091.65	-227.21	1.09	394004.49	757096.79	N 32 4 49.85	W 103 30 11.74
Final Survey	17646.00	89.43	179.74	9631.81	6274.81	8161.75	-8158.62	-226.15	2.96	393937.62	757097.85	N 32 4 49.19	W 103 30 11.73
Proj to TD	17680.00	89.43	179.74	9632.15	6275.15	8195.73	-8192.62	-226.00	0.00	393903.52	757098.01	N 32 4 48.85	W 103 30 11.74

Survey Type: Def Survey

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

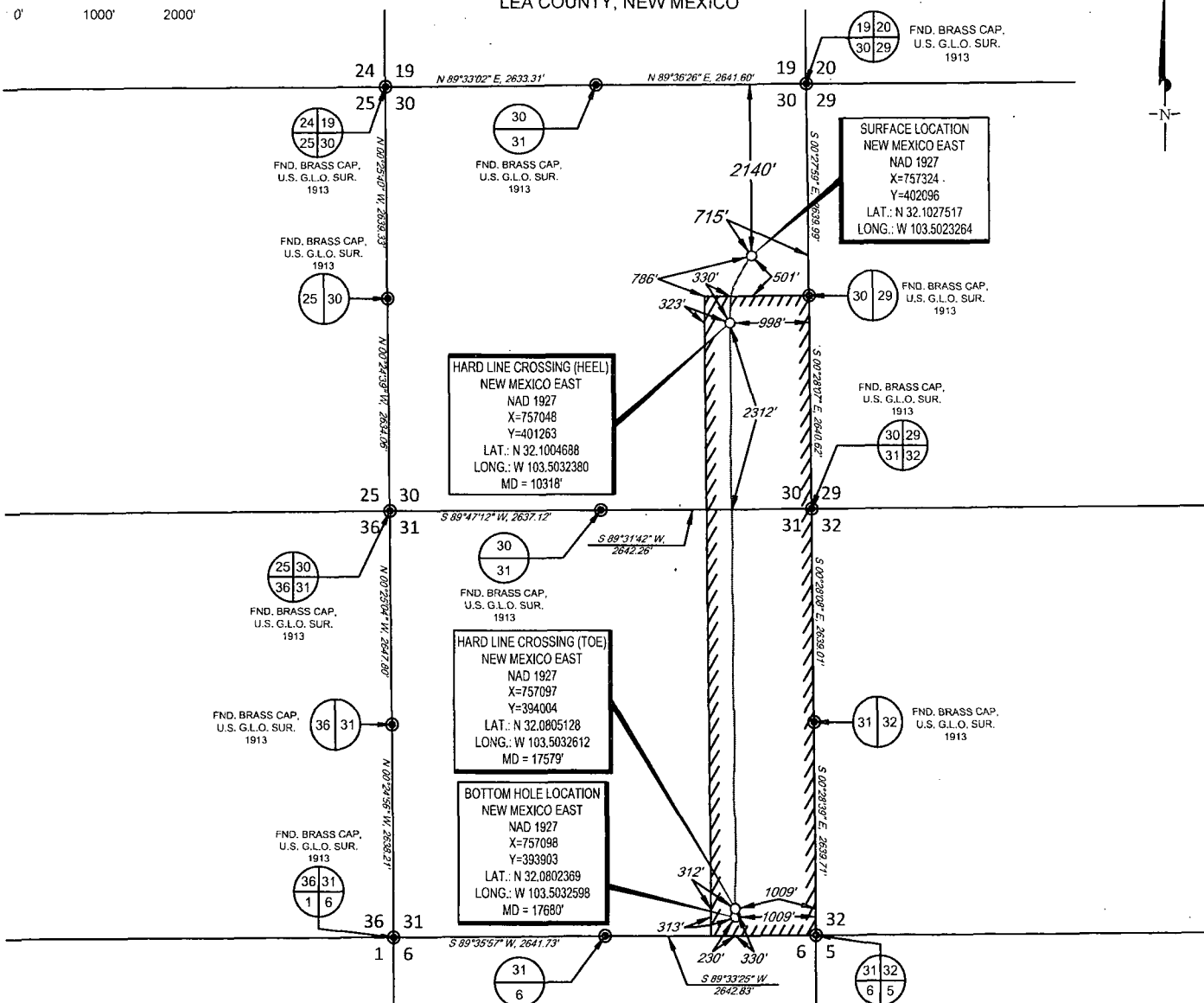
Description	MD From (ft)	MD To (ft)	EOU Freq (ft)	Hole Size (in)	Casing Diameter (in)	Survey Tool Type	Borehole / Survey
	0.000	30.000	Act Stns	30.000	30.000	SLB_MWD-STD-Depth Only	Original Borehole / EOG Fox 30 State Com 3H Surveys from 0ft to
	30.000	17646.000	Act Stns	30.000	30.000	SLB_MWD-STD	Original Borehole / EOG Fox 30 State Com 3H Surveys from 0ft to
	17646.000	17680.000	Act Stns	30.000	30.000	SLB_BLIND+TREND	Original Borehole / EOG Fox 30 State Com 3H Surveys from 0ft to

KC

SCALE: 1" = 2000'

0' 1000' 2000'

SECTION 30, TOWNSHIP 25 SOUTH, RANGE 34 EAST, N.M.P.M.
LEA COUNTY, NEW MEXICO



LEASE NAME & WELL NO.: FOX 30 STATE COM #3H
SECTION 30 TWP 25-S RGE 34-E SURVEY N.M.P.M.
COUNTY LEA STATE NM ELEVATION 3327'
DESCRIPTION 2140' FNL & 715' FEL



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WWW.TOPOGRAPHIC.COM



Michael Blake Brown, P.S. No. 18329
SEPTEMBER 26, 2013

FOX 30 STATE COM #3H PRE-COMPLETION	REVISION:	
	INT	DATE
DATE: 9/26/13		
FILE: C_FOX30STATECOM_3H		
DRAWN BY: S.V.		
SHEET: 1 OF 1		

NOTES:

1. ORIGINAL DOCUMENT SIZE: 8.5" X 11"
2. ALL BEARINGS, DISTANCES, AND COORDINATE VALUES CONTAINED HEREIN ARE GRID BASED UPON THE NEW MEXICO STATE PLANE COORDINATE SYSTEM, EAST ZONE, U.S. SURVEY FEET, NORTH AMERICAN DATUM 19 27.
3. CERTIFICATION IS MADE ONLY TO THE LOCATION OF THIS EASEMENT, IN RELATION TO THE EVIDENCE FOUND DURING A FIELD SURVEY, MADE ON THE GROUND, UNDER MY SUPERVISION, AND USING DOCUMENTATION PROVIDED BY EOG RESOURCES, INC. ONLY UTILITIES/EASEMENTS THAT WERE VISIBLE ON THE DATE OF THIS SURVEY, WITHIN/ADJOINING THIS EASEMENT, HAVE BEEN LOCATED AS SHOWN HEREON OF WHICH I HAVE KNOWLEDGE. THIS CERTIFICATION IS LIMITED TO THOSE PERSONS OR ENTITIES SHOWN ON THE FACE OF THIS PLAT AND IS NON-TRANSFERABLE, AND MADE FOR THIS TRANSACTION ONLY.
4. B.O.L./P.O.B. = BEGINNING OF LINE/POINT OF BEGINNING
5. E.O.L./P.O.E. = END OF LINE/POINT OF EXIT