

Results of Directional Survey

API number:	30-025-41494		
OGRID:		Operator:	EOG RESOURCES INC
		Property:	HAWK 25 FEDERAL # 1H

surface	ULSTR:	M	25	T	24S	R	33E
				250	FSL	990	FWL

BH Loc	ULSTR:	D	25	T	24S	R	33E
14195	MD	9453.1	TVD	234	FNL	345	FWL
				5046	FSL		

Top Perf/OH	ULSTR:	M	25	T	24S	R	33E
9620	MD	9387.7	TVD	476	FSL	397	FWL

Bot Perf/OH	ULSTR:	D	25	T	24S	R	33E
14080	MD	9456.8	TVD	349	FNL	347	FWL
				4931	FSL		

	MD	N/S	E/W	VD
	9589	196.73	-591.65	9378.9
TOP PERFS/OH	9620	226.43	-592.82	9387.70
	9621	227.39	-592.86	9387.98
	14076	4677.40	-642.61	9456.90
BOT PERFS/OH	14080	4681.40	-642.65	9456.79
	14096.1	4697.47	-642.80	9456.35

NEXT TO LAST	14146	4747.35	-643.70	9454.76
LAST READING	14195	4796.30	-645.13	9453.05
TD	14195	4796.30	-645.13	9453.05

Surface Location	250	FS	990	FW
Projected BHL	5046	FS	345	FW
Location of				
Top Perfs/OH	476	FS	397	FW
Bottom Perfs/OH	4931	FS	347	FW

SUMMARY of Subsurface Locations

Surface Location	M-25-24S-33E	250	FS	990	FW	Vert. Depth
Top Perfs/OH	M-25-24S-33E	476	FS	397	FW	9387.70
Bottom Perfs/OH	D-25-24S-33E	4931	FS	347	FW	9456.79
Projected TD	D-25-24S-33E	5046	FS	345	FW	9453.05

AUG 05 2014

Company: EOG Resources
Project: Lea County, NM

Site: Hawk 25 Fed #1H

Well: Hawk 25 #1H

Wellbore: Original Hole

Design: Original Hole

Local Co-ordinate Reference:

TVD Reference:

MD Reference:

North Reference:

Survey Calculation Method:

Database:

Well Hawk 25 #1H

WELL @ 3560.00usft (Nomac 133 RKB: 22' + GL: 3538')

WELL @ 3560.00usft (Nomac 133 RKB: 22' + GL: 3538')

Grid

Minimum Curvature

EDM 5000.1 Single User Db

Project	Lea County, NM		
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	Hawk 25 Fed #1H		
Site Position:		Northing:	430,817.82 usft
From:	Lat/Long	Easting:	748,259.14 usft
Position Uncertainty:	0.00 usft	Slot Radius:	13.20 in
		Latitude:	32° 10' 54.803 N
		Longitude:	103° 31' 51.265 W
		Grid Convergence:	0.43 °

Well	Hawk 25 #1H		
Well Position	+N/-S	0.00 usft	Northing:
	+E/-W	0.00 usft	Easting:
Position Uncertainty	0.00 usft	Wellhead Elevation:	usft
		Latitude:	32° 10' 54.803 N
		Longitude:	103° 31' 51.265 W
		Ground Level:	3,538.00 usft

Wellbore	Original Hole		
Magnetics	Model Name	Sample Date	Declination (°)
	IGRF2010	12/26/2013	7.25
		Dip Angle (°)	60.09
		Field Strength (nT)	48,341

Design	Original Hole		
Audit Notes:			
Version:	1.0	Phase:	ACTUAL
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)
	0.00	0.00	0.00
		Direction (°)	352.32

Survey Program	Date 1/27/2014		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name
163.00	14,195.00	Survey #1 (Original Hole)	MWD
			Description
			MWD - Standard

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
163.00	0.40	200.70	163.00	-0.53	-0.20	-0.50	0.25	0.25	0.00
225.00	0.70	194.40	225.00	-1.10	-0.37	-1.04	0.49	0.48	-10.16
349.00	0.70	208.60	348.99	-2.50	-0.92	-2.35	0.14	0.00	11.45
414.00	0.80	201.00	413.98	-3.27	-1.28	-3.07	0.22	0.15	-11.69
506.00	0.70	201.80	505.97	-4.39	-1.71	-4.13	0.11	-0.11	0.87
599.00	0.60	234.80	598.97	-5.20	-2.32	-4.84	0.41	-0.11	35.48
691.00	0.60	261.90	690.96	-5.55	-3.19	-5.07	0.31	0.00	29.46
783.00	0.60	258.04	782.96	-5.72	-4.14	-5.11	0.04	0.00	-4.20

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Well: Hawk 25 #1H
 Wellbore: Original Hole
 Design: Original Hole

Local Co-ordinate Reference: Well Hawk 25 #1H
 TVD Reference: WELL @ 3560.00usft (Nomac 133 RKB: 22' + GL: 3538')
 MD Reference: WELL @ 3560.00usft (Nomac 133 RKB: 22' + GL: 3538')
 North Reference: Grid
 Survey Calculation Method: Minimum Curvature
 Database: EDM 5000.1 Single User Db

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
875.00	0.80	277.49	874.95	-5.73	-5.25	-4.98	0.33	0.22	21.14
968.00	0.90	286.99	967.94	-5.43	-6.59	-4.50	0.19	0.11	10.22
1,060.00	0.50	314.06	1,059.93	-4.94	-7.57	-3.89	0.55	-0.43	29.42
1,152.00	0.30	345.57	1,151.93	-4.43	-7.92	-3.33	0.32	-0.22	34.25
1,244.00	0.10	89.55	1,243.93	-4.20	-7.90	-3.10	0.37	-0.22	113.02
1,293.00	0.20	358.43	1,292.93	-4.11	-7.86	-3.02	0.46	0.20	-185.96
1,438.00	0.10	43.60	1,437.93	-3.77	-7.78	-2.69	0.10	-0.07	31.15
1,533.00	0.80	270.30	1,532.93	-3.70	-8.39	-2.55	0.92	0.74	-140.32
1,628.00	1.90	261.70	1,627.90	-3.93	-10.61	-2.47	1.17	1.16	-9.05
1,723.00	1.80	260.40	1,722.85	-4.40	-13.64	-2.54	0.11	-0.11	-1.37
1,817.00	1.70	261.60	1,816.81	-4.85	-16.47	-2.61	0.11	-0.11	1.28
1,912.00	1.70	266.40	1,911.76	-5.15	-19.27	-2.53	0.15	0.00	5.05
2,007.00	1.90	263.45	2,006.72	-5.42	-22.24	-2.39	0.23	0.21	-3.11
2,102.00	2.00	264.28	2,101.66	-5.76	-25.46	-2.31	0.11	0.11	0.87
2,196.00	1.90	268.68	2,195.61	-5.96	-28.65	-2.08	0.19	-0.11	4.68
2,291.00	1.90	269.36	2,290.56	-6.01	-31.80	-1.71	0.02	0.00	0.72
2,386.00	2.00	270.40	2,385.50	-6.02	-35.03	-1.28	0.11	0.11	1.09
2,481.00	1.90	255.30	2,480.45	-6.41	-38.21	-1.24	0.55	-0.11	-15.89
2,575.00	1.90	250.30	2,574.40	-7.33	-41.18	-1.76	0.18	0.00	-5.32
2,670.00	1.90	255.20	2,669.34	-8.26	-44.19	-2.28	0.17	0.00	5.16
2,765.00	1.80	259.10	2,764.29	-8.95	-47.18	-2.56	0.17	-0.11	4.11
2,860.00	2.20	243.00	2,859.24	-10.06	-50.27	-3.25	0.72	0.42	-16.95
2,954.00	2.30	240.40	2,953.16	-11.81	-53.51	-4.55	0.15	0.11	-2.77
3,049.00	2.20	246.00	3,048.09	-13.49	-56.84	-5.77	0.25	-0.11	5.89
3,144.00	2.10	245.00	3,143.02	-14.97	-60.08	-6.80	0.11	-0.11	-1.05
3,238.00	2.10	245.60	3,236.96	-16.41	-63.21	-7.81	0.02	0.00	0.64
3,334.00	2.10	245.60	3,332.90	-17.86	-66.41	-8.82	0.00	0.00	0.00
3,428.00	1.90	248.30	3,426.84	-19.15	-69.43	-9.70	0.24	-0.21	2.87
3,523.00	1.90	249.40	3,521.79	-20.28	-72.37	-10.43	0.04	0.00	1.16
3,618.00	1.80	249.50	3,616.74	-21.36	-75.24	-11.11	0.11	-0.11	0.11
3,713.00	1.80	247.50	3,711.69	-22.45	-78.02	-11.83	0.07	0.00	-2.11
3,807.00	1.70	243.30	3,805.65	-23.65	-80.62	-12.66	0.17	-0.11	-4.47
3,902.00	1.70	244.10	3,900.60	-24.89	-83.15	-13.56	0.02	0.00	0.84
3,997.00	1.50	246.80	3,995.57	-26.00	-85.56	-14.33	0.22	-0.21	2.84
4,092.00	2.10	241.10	4,090.52	-27.33	-88.23	-15.29	0.66	0.63	-6.00
4,187.00	2.00	240.10	4,185.46	-29.00	-91.19	-16.55	0.11	-0.11	-1.05
4,282.00	1.90	238.40	4,280.40	-30.65	-93.97	-17.82	0.12	-0.11	-1.79
4,376.00	2.20	244.80	4,374.34	-32.23	-96.93	-18.99	0.40	0.32	6.81
4,471.00	2.30	246.50	4,469.27	-33.77	-100.33	-20.06	0.13	0.11	1.79
4,565.00	1.90	234.60	4,563.21	-35.43	-103.33	-21.30	0.63	-0.43	-12.66
4,660.00	2.00	225.80	4,658.15	-37.49	-105.80	-23.02	0.33	0.11	-9.26
4,755.00	2.60	228.80	4,753.08	-40.07	-108.61	-25.19	0.64	0.63	3.16

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Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
4,850.00	3.00	232.30	4,847.96	-43.01	-112.20	-27.63	0.46	0.42	3.68
4,945.00	2.80	231.30	4,942.84	-45.98	-115.97	-30.07	0.22	-0.21	-1.05
5,039.00	2.60	226.30	5,036.74	-48.89	-119.31	-32.50	0.33	-0.21	-5.32
5,087.00	2.70	224.00	5,084.69	-50.45	-120.88	-33.85	0.30	0.21	-4.79
5,212.00	2.60	228.10	5,209.55	-54.46	-125.03	-37.27	0.17	-0.08	3.28
5,307.00	3.00	253.90	5,304.44	-56.59	-129.03	-38.84	1.38	0.42	27.16
5,402.00	3.50	286.60	5,399.30	-56.45	-134.19	-38.01	1.99	0.53	34.42
5,497.00	4.80	271.80	5,494.05	-55.50	-140.95	-36.17	1.76	1.37	-15.58
5,591.00	6.30	256.80	5,587.61	-56.55	-149.90	-36.01	2.21	1.60	-15.96
5,686.00	8.60	258.10	5,681.80	-59.21	-161.93	-37.04	2.43	2.42	1.37
5,781.00	8.60	257.80	5,775.73	-62.18	-175.82	-38.12	0.05	0.00	-0.32
5,876.00	8.40	258.50	5,869.69	-65.06	-189.56	-39.14	0.24	-0.21	0.74
5,970.00	8.60	258.60	5,962.66	-67.82	-203.18	-40.06	0.21	0.21	0.11
6,065.00	8.70	258.10	6,056.58	-70.70	-217.17	-41.05	0.13	0.11	-0.53
6,161.00	8.30	258.10	6,151.52	-73.63	-231.06	-42.09	0.42	-0.42	0.00
6,255.00	8.50	254.60	6,244.51	-76.87	-244.39	-43.52	0.58	0.21	-3.72
6,350.00	8.20	253.80	6,338.51	-80.63	-257.67	-45.47	0.34	-0.32	-0.84
6,445.00	8.10	254.50	6,432.55	-84.31	-270.62	-47.38	0.15	-0.11	0.74
6,539.00	8.00	253.90	6,525.62	-87.89	-283.29	-49.24	0.14	-0.11	-0.64
6,634.00	8.60	248.40	6,619.63	-92.34	-296.25	-51.92	1.05	0.63	-5.79
6,729.00	8.60	248.80	6,713.56	-97.52	-309.47	-55.29	0.06	0.00	0.42
6,823.00	8.50	248.80	6,806.52	-102.58	-322.50	-58.56	0.11	-0.11	0.00
6,918.00	8.60	249.70	6,900.46	-107.58	-335.71	-61.75	0.18	0.11	0.95
7,013.00	8.30	249.90	6,994.43	-112.40	-348.81	-64.78	0.32	-0.32	0.21
7,108.00	8.30	249.20	7,088.43	-117.19	-361.66	-67.81	0.11	0.00	-0.74
7,202.00	8.80	250.90	7,181.39	-121.95	-374.80	-70.77	0.60	0.53	1.81
7,297.00	8.50	251.10	7,275.31	-126.61	-388.31	-73.58	0.32	-0.32	0.21
7,392.00	8.00	251.10	7,369.32	-131.02	-401.20	-76.23	0.53	-0.53	0.00
7,487.00	8.50	250.40	7,463.34	-135.52	-414.07	-78.96	0.54	0.53	-0.74
7,582.00	8.30	252.10	7,557.32	-139.98	-427.21	-81.63	0.34	-0.21	1.79
7,676.00	8.20	252.60	7,650.35	-144.07	-440.06	-83.97	0.13	-0.11	0.53
7,771.00	8.00	251.00	7,744.40	-148.25	-452.78	-86.41	0.32	-0.21	-1.68
7,866.00	7.50	252.40	7,838.53	-152.28	-464.94	-88.77	0.56	-0.53	1.47
7,961.00	8.00	254.50	7,932.67	-155.92	-477.22	-90.74	0.60	0.53	2.21
8,056.00	7.80	254.50	8,026.76	-159.41	-489.80	-92.52	0.21	-0.21	0.00
8,151.00	7.50	252.80	8,120.92	-162.96	-501.94	-94.42	0.40	-0.32	-1.79
8,246.00	7.60	249.90	8,215.10	-166.95	-513.76	-96.80	0.41	0.11	-3.05
8,341.00	8.50	248.70	8,309.16	-171.66	-526.20	-99.80	0.96	0.95	-1.26
8,435.00	7.80	250.10	8,402.21	-176.36	-538.67	-102.79	0.77	-0.74	1.49
8,530.00	7.30	248.70	8,496.38	-180.75	-550.36	-105.57	0.56	-0.53	-1.47
8,625.00	5.80	258.40	8,590.76	-183.90	-560.68	-107.32	1.96	-1.58	10.21
8,719.00	5.30	260.10	8,684.32	-185.60	-569.61	-107.82	0.56	-0.53	1.81

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Grid

Minimum Curvature

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Survey

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8,814.00	3.80	272.50	8,779.02	-186.22	-577.08	-107.43	1.88	-1.58	13.05
8,863.00	3.20	273.50	8,827.93	-186.07	-580.07	-106.88	1.23	-1.22	2.04
8,895.00	2.50	280.00	8,859.89	-185.89	-581.65	-106.49	2.41	-2.19	20.31
8,926.00	3.10	317.80	8,890.86	-185.15	-582.87	-105.60	6.13	1.94	121.94
8,957.00	5.30	342.30	8,921.78	-183.17	-583.87	-103.50	9.01	7.10	79.03
8,988.00	8.40	348.70	8,952.55	-179.58	-584.75	-99.83	10.28	10.00	20.65
9,020.00	11.70	352.50	8,984.06	-174.07	-585.63	-94.25	10.51	10.31	11.87
9,052.00	15.30	354.80	9,015.17	-166.65	-586.44	-86.78	11.37	11.25	7.19
9,083.00	18.80	355.40	9,044.80	-157.59	-587.21	-77.70	11.30	11.29	1.94
9,115.00	22.10	355.20	9,074.78	-146.45	-588.13	-66.54	10.31	10.31	-0.62
9,147.00	25.70	355.40	9,104.03	-133.53	-589.19	-53.60	11.25	11.25	0.62
9,179.00	29.40	356.00	9,132.40	-118.78	-590.29	-38.82	11.59	11.56	1.87
9,210.00	33.10	356.80	9,158.89	-102.73	-591.30	-22.79	12.01	11.94	2.58
9,242.00	36.90	358.40	9,185.10	-84.39	-592.05	-4.52	12.22	11.87	5.00
9,274.00	40.90	0.00	9,210.00	-64.31	-592.32	15.43	12.89	12.50	5.00
9,305.00	44.10	0.70	9,232.85	-43.37	-592.19	36.16	10.43	10.32	2.26
9,337.00	47.60	359.60	9,255.14	-20.41	-592.14	58.91	11.21	10.94	-3.44
9,368.00	50.40	0.30	9,275.48	2.98	-592.15	82.09	9.19	9.03	2.26
9,400.00	53.50	1.30	9,295.20	28.18	-591.80	107.01	9.99	9.69	3.12
9,431.00	57.60	1.40	9,312.73	53.73	-591.20	132.25	13.23	13.23	0.32
9,463.00	61.10	0.50	9,329.04	81.25	-590.74	159.47	11.20	10.94	-2.81
9,474.30	62.05	0.39	9,334.42	91.19	-590.67	169.30	8.48	8.44	-0.95
Up Most Perf (Hawk 25 1H)									
9,495.00	63.80	0.20	9,343.84	109.62	-590.57	187.56	8.48	8.44	-0.93
9,526.00	66.80	359.80	9,356.79	137.78	-590.57	215.46	9.75	9.68	-1.29
9,558.00	69.50	359.00	9,368.70	167.47	-590.89	244.94	8.75	8.44	-2.50
9,589.00	72.10	358.00	9,378.90	196.73	-591.65	274.04	8.92	8.39	-3.23
9,621.00	74.90	357.50	9,387.98	227.39	-592.86	304.58	8.88	8.75	-1.56
9,652.00	77.60	356.90	9,395.35	257.46	-594.33	334.58	8.91	8.71	-1.94
9,681.19	79.24	356.72	9,401.21	286.01	-595.92	363.08	5.66	5.62	-0.63
LP (Hawk 25 1H)									
9,684.00	79.40	356.70	9,401.73	288.77	-596.08	365.84	5.66	5.63	-0.62
9,716.00	81.20	357.30	9,407.12	320.27	-597.73	397.28	5.92	5.62	1.87
9,748.00	83.40	357.50	9,411.41	351.95	-599.17	428.86	6.90	6.87	0.62
9,779.00	85.50	356.90	9,414.41	382.76	-600.68	459.60	7.04	6.77	-1.94
9,811.00	86.40	356.70	9,416.67	414.63	-602.46	491.42	2.88	2.81	-0.62
9,842.00	86.90	356.50	9,418.48	445.52	-604.29	522.29	1.74	1.61	-0.65
9,874.00	88.50	357.10	9,419.76	477.45	-606.08	554.16	5.34	5.00	1.87
9,905.00	89.40	358.50	9,420.33	508.42	-607.27	585.01	5.37	2.90	4.52
10,000.00	91.10	356.80	9,419.92	603.33	-611.16	679.59	2.53	1.79	-1.79
10,095.00	92.90	359.20	9,416.60	698.20	-614.48	774.06	3.16	1.89	2.53
10,190.00	90.90	1.30	9,413.45	793.14	-614.06	868.09	3.05	-2.11	2.21

Company: EOG Resources
 Project: Lea County, NM
 Site: Hawk 25 Fed #1H
 Well: Hawk 25 #1H
 Wellbore: Original Hole
 Design: Original Hole

Local Co-ordinate Reference: Well Hawk 25 #1H
 TVD Reference: WELL @ 3560.00usft (Nomac 133 RKB: 22' + GL: 3538')
 MD Reference: WELL @ 3560.00usft (Nomac 133 RKB: 22' + GL: 3538')
 North Reference: Grid
 Survey Calculation Method: Minimum Curvature
 Database: EDM 5000.1 Single User Db

Survey

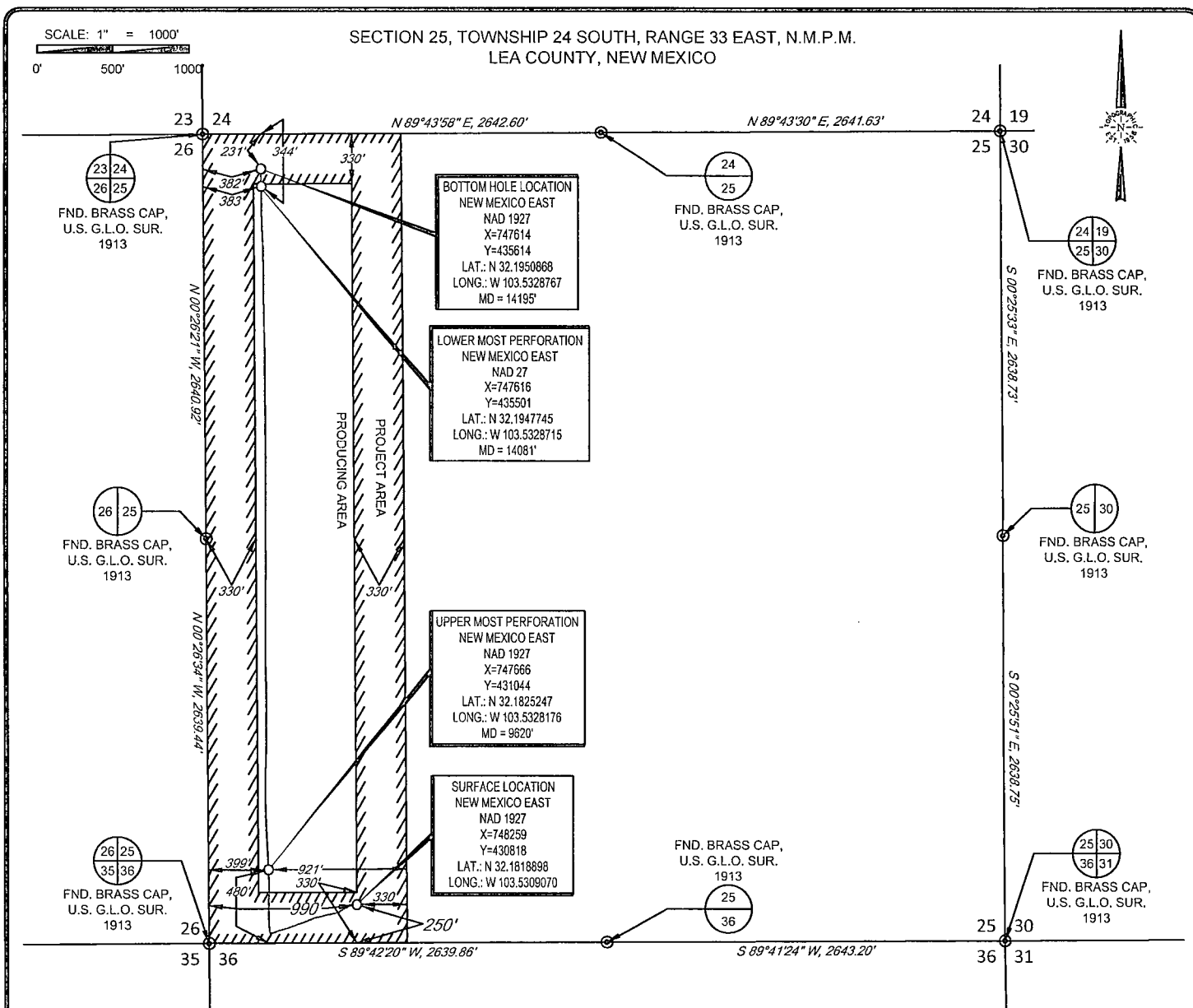
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
10,285.00	88.80	1.80	9,413.70	888.10	-611.49	961.85	2.27	-2.21	0.53
10,380.00	90.30	1.10	9,414.45	983.06	-609.09	1,055.64	1.74	1.58	-0.74
10,475.00	90.70	359.50	9,413.62	1,078.05	-608.59	1,149.72	1.74	0.42	-1.68
10,570.00	90.40	0.30	9,412.71	1,173.05	-608.76	1,243.88	0.90	-0.32	0.84
10,665.00	89.60	0.40	9,412.71	1,268.05	-608.18	1,337.95	0.85	-0.84	0.11
10,759.00	91.30	0.02	9,411.97	1,362.04	-607.83	1,431.05	1.85	1.81	-0.40
10,854.00	90.90	358.20	9,410.14	1,457.01	-609.31	1,525.36	1.96	-0.42	-1.92
10,949.00	90.10	358.30	9,409.31	1,551.96	-612.21	1,619.85	0.85	-0.84	0.11
11,043.00	90.20	358.30	9,409.07	1,645.92	-615.00	1,713.34	0.11	0.11	0.00
11,138.00	91.10	0.80	9,407.99	1,740.90	-615.74	1,807.57	2.80	0.95	2.63
11,232.00	90.10	0.00	9,407.01	1,834.89	-615.09	1,900.63	1.36	-1.06	-0.85
11,326.00	89.30	0.80	9,407.50	1,928.88	-614.43	1,993.69	1.20	-0.85	0.85
11,421.00	89.90	0.50	9,408.16	2,023.87	-613.35	2,087.69	0.71	0.63	-0.32
11,516.00	90.30	0.04	9,408.00	2,118.87	-612.91	2,181.78	0.64	0.42	-0.48
11,611.00	90.40	0.10	9,407.42	2,213.87	-612.79	2,275.91	0.12	0.11	0.06
11,706.00	89.90	0.20	9,407.17	2,308.87	-612.54	2,370.02	0.54	-0.53	0.11
11,801.00	90.60	358.80	9,406.75	2,403.86	-613.37	2,464.27	1.65	0.74	-1.47
11,896.00	88.50	358.90	9,407.50	2,498.84	-615.28	2,558.65	2.21	-2.21	0.11
11,990.00	88.30	359.70	9,410.12	2,592.79	-616.43	2,651.91	0.88	-0.21	0.85
12,085.00	87.20	0.90	9,413.85	2,687.71	-615.93	2,745.92	1.71	-1.16	1.26
12,180.00	85.60	0.10	9,419.82	2,782.52	-615.10	2,839.76	1.88	-1.68	-0.84
12,275.00	89.90	0.30	9,423.55	2,877.42	-614.77	2,933.77	4.53	4.53	0.21
12,370.00	89.60	359.70	9,423.96	2,972.42	-614.77	3,027.92	0.71	-0.32	-0.63
12,465.00	88.80	359.00	9,425.29	3,067.40	-615.85	3,122.19	1.12	-0.84	-0.74
12,560.00	89.40	359.90	9,426.78	3,162.39	-616.76	3,216.44	1.14	0.63	0.95
12,654.00	86.50	359.30	9,430.14	3,256.31	-617.41	3,309.62	3.15	-3.09	-0.64
12,749.00	88.00	359.20	9,434.70	3,351.19	-618.66	3,403.81	1.58	1.58	-0.11
12,844.00	89.60	359.70	9,436.69	3,446.16	-619.57	3,498.05	1.76	1.68	0.53
12,939.00	88.40	359.60	9,438.35	3,541.15	-620.15	3,592.26	1.27	-1.26	-0.11
13,033.00	89.00	359.10	9,440.48	3,635.12	-621.21	3,685.53	0.83	0.64	-0.53
13,128.00	91.10	358.60	9,440.40	3,730.09	-623.12	3,779.91	2.27	2.21	-0.53
13,223.00	90.20	358.80	9,439.32	3,825.06	-625.28	3,874.31	0.97	-0.95	0.21
13,318.00	89.60	358.70	9,439.48	3,920.04	-627.35	3,968.71	0.64	-0.63	-0.11
13,412.00	89.70	359.70	9,440.06	4,014.02	-628.66	4,062.03	1.07	0.11	1.06
13,507.00	88.80	359.50	9,441.30	4,109.01	-629.32	4,156.26	0.97	-0.95	-0.21
13,602.00	89.80	359.50	9,442.46	4,204.00	-630.15	4,250.50	1.05	1.05	0.00
13,697.00	86.00	357.50	9,445.94	4,298.88	-632.63	4,344.87	4.52	-4.00	-2.11
13,791.00	86.50	357.40	9,452.09	4,392.59	-636.81	4,438.29	0.54	0.53	-0.11
13,886.00	88.60	358.70	9,456.15	4,487.44	-640.04	4,532.72	2.60	2.21	1.37
13,981.00	89.50	359.30	9,457.73	4,582.41	-641.69	4,627.06	1.14	0.95	0.63
14,076.00	91.50	359.60	9,456.90	4,677.40	-642.61	4,721.32	2.13	2.11	0.32
14,096.08	91.64	359.31	9,456.35	4,697.47	-642.80	4,741.23	1.60	0.71	-1.43

Company: EOG Resources
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Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
Lower Most Perf (Hawk 25 1H)									
14,146.00	92.00	358.60	9,454.76	4,747.35	-643.70	4,790.79	1.60	0.71	-1.43
14,195.00	92.00	358.06	9,453.05	4,796.30	-645.13	4,839.50	1.10	0.00	-1.10
PBHL (Hawk 25 1H)									



LEASE NAME & WELL NO.: HAWK 25 FED #1H

SECTION 25 TWP 24-S RGE 33-E SURVEY N.M.P.M.

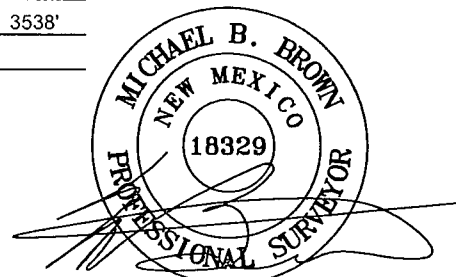
COUNTY LEA STATE NM ELEVATION 3538'

DESCRIPTION 250' FSL & 990' FWL



TOPOGRAPHIC
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Michael Blake Brown, P.S. No. 18329
JUNE 3, 2014

eoog resources, inc.

HAWK 25 FED #1H AS-COMPLETED	REVISION:	
	INT	DATE
DATE: 06/03/14		
FILE: AD_HAWK25FED_1H		
DRAWN BY: G.O.		
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 1927.
3. THIS EASEMENT/SERVITUDE LOCATION SHOWN HEREON HAS BEEN SURVEYED ON THE GROUND UNDER MY SUPERVISION AND PREPARED ACCORDING TO THE EVIDENCE FOUND AT THE TIME OF SURVEY, AND DATA PROVIDED BY EOG RESOURCES, INC. THIS CERTIFICATION IS MADE AND LIMITED TO THOSE PERSONS OR ENTITIES SHOWN ON THE FACE OF THIS PLAT AND IS NON-TRANSFERABLE. THIS SURVEY IS CERTIFIED FOR THIS TRANSACTION ONLY.