

Results of Directional Survey

API number:	30-025-41419		
OGRID:		Operator:	EOG RESOURCES INC
		Property:	HAWK 25 FEDERAL # 2H

surface	ULSTR:	M	25	T	24S	R	33E
				250	FSL	1020	FWL

BH Loc	ULSTR:	D	25	T	24S	R	33E
14177	MD	9453.2	TVD	233	FNL	902	FWL
				5047	FSL		

Top Perf/OH	ULSTR:	M	25	T	24S	R	33E
9554	MD	9390.6	TVD	428	FSL	952	FWL

Bot Perf/OH	ULSTR:	D	25	T	24S	R	33E
14069	MD	9453.7	TVD	341	FNL	900	FWL
				4939	FSL		

	MD	N/S	E/W	VD
	9550	174.32	-67.75	9389.66
TOP PERFS/OH	9554	178.20	-67.91	9390.63
	9582	205.34	-69.00	9397.40
	13979	4599.28	-122.43	9453.10
BOT PERFS/OH	14069	4689.24	-119.76	9453.65
	14074	4694.24	-119.61	9453.68

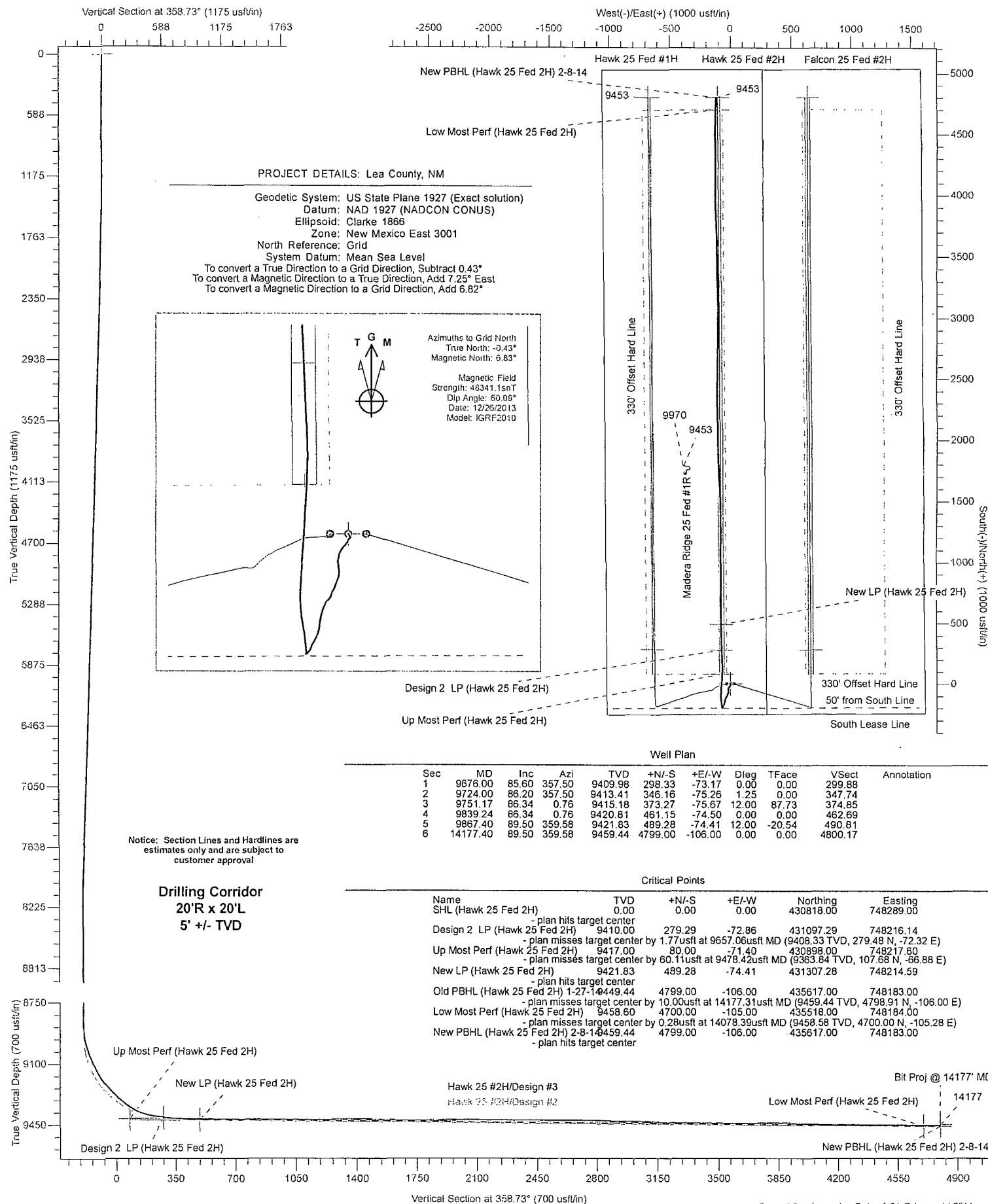
NEXT TO LAST	14074	4694.24	-119.61	9453.68
LAST READING	14177	4797.22	-117.62	9453.21
TD	14177	4797.22	-117.62	9453.21

Surface Location	250	FS	1020	FW
Projected BHL	5047	FS	902	FW
Location of				
Top Perfs/OH	428	FS	952	FW
Bottom Perfs/OH	4939	FS	900	FW

SUMMARY of Subsurface Locations

Surface Location	M-25-24S-33E	250	FS	1020	FW	Vert. Depth
Top Perfs/OH	M-25-24S-33E	428	FS	952	FW	9390.63
Bottom Perfs/OH	D-25-24S-33E	4939	FS	900	FW	9453.65
Projected TD	D-25-24S-33E	5047	FS	902	FW	9453.21

AUG 05 2014



Company: EOG Resources
Project: Lea County, NM
Site: Hawk 25 Fed #2H
Well: Hawk 25 #2H
Wellbore: Original Hole
Design: Original Hole

HOBBS OCD
JUL 25 2014
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Local Co-ordinate Reference: Well Hawk 25 #2H
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

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 #2H			
Site Position:	Northing:	430,818.00 usft	Latitude:	32° 10' 54.803 N
From: Map	Easting:	748,289.00 usft	Longitude:	103° 31' 50.918 W
Position Uncertainty:	0.00 usft	Slot Radius:	13.20 in	Grid Convergence: 0.43 °

Well	Hawk 25 #2H			
Well Position	+N/-S	0.00 usft	Northing:	430,818.00 usft
	+E/-W	0.00 usft	Easting:	748,289.00 usft
Position Uncertainty	0.00 usft	Wellhead Elevation:	usft	Ground Level: 3,538.00 usft

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

Design	Original Hole			
Audit Notes:				
Version:	1.0	Phase:	ACTUAL	Tie On Depth: 0.00
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.00	0.00	0.00	358.73

Survey Program	Date	2/14/2014		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
189.00	14,177.00	Survey #1 (Original Hole)	MWD	MWD - Standard

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
SHL (Hawk 25 Fed 2H)									
189.00	0.60	123.60	189.00	-0.55	0.82	-0.57	0.32	0.32	0.00
252.00	0.70	150.90	251.99	-1.07	1.29	-1.09	0.51	0.16	43.33
313.00	0.40	148.30	312.99	-1.57	1.58	-1.61	0.49	-0.49	-4.26
410.00	0.70	151.10	409.99	-2.38	2.04	-2.42	0.31	0.31	2.89
502.00	0.60	160.30	501.98	-3.33	2.48	-3.38	0.16	-0.11	10.00
594.00	0.60	145.50	593.97	-4.18	2.91	-4.24	0.17	0.00	-16.09
687.00	0.50	160.20	686.97	-4.96	3.33	-5.03	0.19	-0.11	15.81

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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)
779.00	0.30	121.80	778.97	-5.46	3.67	-5.54	0.35	-0.22	-41.74
871.00	0.20	188.10	870.97	-5.75	3.85	-5.83	0.31	-0.11	72.07
963.00	0.20	231.40	962.97	-6.01	3.70	-6.09	0.16	0.00	47.07
1,056.00	0.30	258.10	1,055.97	-6.16	3.34	-6.23	0.16	0.11	28.71
1,148.00	0.20	235.70	1,147.96	-6.30	2.97	-6.36	0.15	-0.11	-24.35
1,240.00	0.30	224.70	1,239.96	-6.56	2.67	-6.62	0.12	0.11	-11.96
1,289.00	0.40	222.00	1,288.96	-6.78	2.46	-6.83	0.21	0.20	-5.51
1,436.00	0.40	229.30	1,435.96	-7.50	1.73	-7.53	0.03	0.00	4.97
1,531.00	1.70	208.90	1,530.94	-8.95	0.80	-8.96	1.40	1.37	-21.47
1,626.00	1.80	211.20	1,625.90	-11.46	-0.66	-11.44	0.13	0.11	2.42
1,721.00	1.50	208.70	1,720.86	-13.82	-2.03	-13.77	0.32	-0.32	-2.63
1,816.00	1.40	216.30	1,815.83	-15.85	-3.31	-15.77	0.23	-0.11	8.00
1,911.00	1.60	220.00	1,910.80	-17.80	-4.85	-17.69	0.23	0.21	3.89
2,006.00	1.30	225.90	2,005.76	-19.57	-6.48	-19.42	0.35	-0.32	6.21
2,101.00	1.30	218.60	2,100.74	-21.16	-7.92	-20.98	0.17	0.00	-7.68
2,195.00	1.40	220.70	2,194.71	-22.86	-9.34	-22.65	0.12	0.11	2.23
2,290.00	1.60	208.60	2,289.68	-24.91	-10.73	-24.66	0.39	0.21	-12.74
2,385.00	1.70	208.20	2,384.64	-27.31	-12.03	-27.04	0.11	0.11	-0.42
2,479.00	1.50	206.60	2,478.61	-29.64	-13.24	-29.34	0.22	-0.21	-1.70
2,574.00	1.40	218.40	2,573.58	-31.66	-14.52	-31.33	0.33	-0.11	12.42
2,669.00	1.70	185.00	2,668.54	-33.98	-15.36	-33.63	0.99	0.32	-35.16
2,763.00	1.70	183.70	2,762.50	-36.76	-15.57	-36.40	0.04	0.00	-1.38
2,858.00	1.50	195.90	2,857.46	-39.36	-16.01	-38.99	0.41	-0.21	12.84
2,953.00	1.50	192.20	2,952.43	-41.77	-16.61	-41.39	0.10	0.00	-3.89
3,048.00	1.40	188.00	3,047.40	-44.13	-17.03	-43.75	0.15	-0.11	-4.42
3,143.00	1.20	182.40	3,142.38	-46.28	-17.24	-45.88	0.25	-0.21	-5.89
3,238.00	1.10	162.40	3,237.36	-48.14	-17.00	-47.75	0.43	-0.11	-21.05
3,332.00	2.00	180.60	3,331.32	-50.64	-16.75	-50.26	1.08	0.96	19.36
3,427.00	2.10	179.20	3,426.26	-54.04	-16.74	-53.65	0.12	0.11	-1.47
3,522.00	2.10	165.10	3,521.20	-57.46	-16.27	-57.09	0.54	0.00	-14.84
3,617.00	1.50	173.40	3,616.15	-60.38	-15.68	-60.02	0.69	-0.63	8.74
3,712.00	1.50	178.20	3,711.12	-62.86	-15.50	-62.50	0.13	0.00	5.05
3,807.00	1.60	189.90	3,806.09	-65.41	-15.68	-65.04	0.35	0.11	12.32
3,902.00	1.50	187.60	3,901.05	-67.95	-16.08	-67.57	0.12	-0.11	-2.42
3,996.00	1.90	196.70	3,995.01	-70.66	-16.69	-70.27	0.51	0.43	9.68
4,091.00	1.90	204.70	4,089.96	-73.60	-17.80	-73.18	0.28	0.00	8.42
4,186.00	1.70	205.50	4,184.91	-76.30	-19.06	-75.86	0.21	-0.21	0.84
4,281.00	1.80	201.80	4,279.87	-78.96	-20.22	-78.49	0.16	0.11	-3.89
4,375.00	2.00	196.00	4,373.81	-81.90	-21.22	-81.41	0.29	0.21	-6.17
4,470.00	1.60	205.70	4,468.77	-84.69	-22.26	-84.18	0.53	-0.42	10.21
4,565.00	1.60	192.60	4,563.73	-87.18	-23.12	-86.65	0.38	0.00	-13.79
4,660.00	1.90	210.90	4,658.69	-89.83	-24.22	-89.27	0.66	0.32	19.26

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4,755.00	1.80	213.70	4,753.64	-92.42	-25.85	-91.82	0.14	-0.11	2.95
4,849.00	2.10	195.50	4,847.58	-95.31	-27.13	-94.68	0.73	0.32	-19.36
4,944.00	2.50	200.20	4,942.51	-98.93	-28.31	-98.28	0.47	0.42	4.95
5,039.00	2.70	199.60	5,037.41	-102.98	-29.78	-102.30	0.21	0.21	-0.63
5,097.00	2.20	215.80	5,095.36	-105.17	-30.89	-104.46	1.46	-0.86	27.93
5,250.00	2.10	237.10	5,248.25	-109.08	-34.96	-108.27	0.52	-0.07	13.92
5,313.00	1.70	214.90	5,311.22	-110.47	-36.47	-109.63	1.32	-0.63	-35.24
5,408.00	1.60	198.30	5,406.18	-112.88	-37.69	-112.02	0.51	-0.11	-17.47
5,502.00	1.60	201.70	5,500.14	-115.35	-38.59	-114.47	0.10	0.00	3.62
5,597.00	1.60	204.60	5,595.11	-117.79	-39.63	-116.88	0.09	0.00	3.05
5,692.00	1.50	201.30	5,690.07	-120.15	-40.63	-119.22	0.14	-0.11	-3.47
5,787.00	1.40	195.70	5,785.04	-122.43	-41.40	-121.48	0.18	-0.11	-5.89
5,881.00	1.40	199.20	5,879.01	-124.62	-42.09	-123.66	0.09	0.00	3.72
5,976.00	1.30	200.10	5,973.99	-126.73	-42.84	-125.75	0.11	-0.11	0.95
6,071.00	1.20	196.10	6,068.96	-128.69	-43.48	-127.70	0.14	-0.11	-4.21
6,166.00	1.10	192.40	6,163.94	-130.54	-43.96	-129.53	0.13	-0.11	-3.89
6,260.00	1.60	191.70	6,257.92	-132.71	-44.42	-131.69	0.53	0.53	-0.74
6,355.00	1.70	191.80	6,352.88	-135.38	-44.97	-134.35	0.11	0.11	0.11
6,450.00	1.60	190.80	6,447.84	-138.07	-45.51	-137.02	0.11	-0.11	-1.05
6,544.00	1.60	190.90	6,541.80	-140.64	-46.00	-139.59	0.00	0.00	0.11
6,639.00	2.20	187.70	6,636.75	-143.75	-46.50	-142.69	0.64	0.63	-3.37
6,734.00	2.20	186.50	6,731.68	-147.37	-46.95	-146.30	0.05	0.00	-1.26
6,829.00	2.10	188.30	6,826.61	-150.91	-47.41	-149.82	0.13	-0.11	1.89
6,923.00	1.80	184.10	6,920.56	-154.08	-47.76	-152.99	0.35	-0.32	-4.47
7,018.00	1.80	198.00	7,015.51	-156.99	-48.33	-155.88	0.46	0.00	14.63
7,113.00	2.00	196.60	7,110.46	-160.00	-49.26	-158.87	0.22	0.21	-1.47
7,208.00	2.00	195.60	7,205.40	-163.18	-50.18	-162.03	0.04	0.00	-1.05
7,302.00	2.70	206.30	7,299.32	-166.75	-51.61	-165.56	0.88	0.74	11.38
7,397.00	2.60	207.00	7,394.22	-170.67	-53.57	-169.44	0.11	-0.11	0.74
7,492.00	2.60	208.50	7,489.12	-174.49	-55.58	-173.21	0.07	0.00	1.58
7,587.00	2.40	207.30	7,584.03	-178.15	-57.52	-176.83	0.22	-0.21	-1.26
7,682.00	2.30	205.70	7,678.95	-181.63	-59.26	-180.28	0.13	-0.11	-1.68
7,776.00	2.10	199.70	7,772.88	-184.96	-60.66	-183.57	0.32	-0.21	-6.38
7,871.00	2.30	207.90	7,867.81	-188.28	-62.14	-186.86	0.39	0.21	8.63
7,966.00	2.30	216.70	7,962.74	-191.49	-64.17	-190.02	0.37	0.00	9.26
8,061.00	2.30	215.70	8,057.66	-194.57	-66.42	-193.05	0.04	0.00	-1.05
8,156.00	1.70	255.60	8,152.61	-196.47	-68.90	-194.89	1.55	-0.63	42.00
8,250.00	0.20	24.60	8,246.59	-196.66	-70.18	-195.06	1.95	-1.60	137.23
8,345.00	0.40	43.60	8,341.59	-196.27	-69.88	-194.68	0.23	0.21	20.00
8,440.00	0.50	44.10	8,436.59	-195.74	-69.37	-194.15	0.11	0.11	0.53
8,535.00	0.50	44.20	8,531.59	-195.14	-68.79	-193.57	0.00	0.00	0.11
8,630.00	0.30	26.40	8,626.58	-194.62	-68.39	-193.06	0.25	-0.21	-18.74

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8,725.00	0.30	5.40	8,721.58	-194.15	-68.25	-192.59	0.12	0.00	-22.11
8,820.00	0.10	304.80	8,816.58	-193.86	-68.30	-192.29	0.28	-0.21	-63.79
8,836.00	0.30	317.90	8,832.58	-193.82	-68.34	-192.25	1.27	1.25	81.87
8,887.00	1.20	335.30	8,883.58	-193.23	-68.65	-191.66	1.80	1.76	34.12
8,950.00	9.30	353.70	8,946.26	-187.56	-69.49	-185.98	12.97	12.86	29.21
8,982.00	13.90	355.60	8,977.60	-181.16	-70.07	-179.56	14.42	14.37	5.94
9,013.00	18.00	353.70	9,007.40	-172.68	-70.88	-171.07	13.33	13.23	-6.13
9,045.00	21.30	351.60	9,037.53	-162.01	-72.27	-160.37	10.54	10.31	-6.56
9,077.00	23.60	349.70	9,067.11	-149.96	-74.26	-148.28	7.54	7.19	-5.94
9,108.00	24.80	350.80	9,095.38	-137.44	-76.41	-135.71	4.14	3.87	3.55
9,140.00	27.00	354.80	9,124.17	-123.57	-78.15	-121.81	8.78	6.87	12.50
9,171.00	29.50	359.90	9,151.48	-108.93	-78.80	-107.16	11.20	8.06	16.45
9,203.00	32.60	2.60	9,178.89	-92.43	-78.42	-90.67	10.62	9.69	8.44
9,235.00	36.70	3.20	9,205.21	-74.27	-77.49	-72.53	12.86	12.81	1.87
9,266.00	41.10	4.10	9,229.33	-54.85	-76.25	-53.14	14.31	14.19	2.90
9,298.00	43.90	4.30	9,252.92	-33.29	-74.66	-31.62	8.76	8.75	0.62
9,329.00	45.90	3.60	9,274.88	-11.46	-73.16	-9.83	6.65	6.45	-2.26
9,361.00	48.50	3.30	9,296.62	11.98	-71.75	13.56	8.15	8.12	-0.94
9,392.00	50.60	3.50	9,316.73	35.52	-70.35	37.07	6.79	6.77	0.65
9,424.00	55.30	3.20	9,336.00	61.01	-68.86	62.52	14.71	14.69	-0.94
9,456.00	59.70	2.50	9,353.19	87.96	-67.52	89.44	13.87	13.75	-2.19
9,478.42	63.60	1.25	9,363.84	107.68	-66.88	109.14	18.08	17.41	-5.56
Up Most Perf (Hawk 25 Fed 2H)									
9,487.00	65.10	0.80	9,367.55	115.41	-66.74	116.86	18.08	17.44	-5.29
9,519.00	69.30	358.80	9,379.95	144.90	-66.85	146.35	14.33	13.12	-6.25
9,550.00	74.20	357.70	9,389.66	174.32	-67.75	175.78	16.16	15.81	-3.55
9,582.00	77.80	357.70	9,397.40	205.34	-69.00	206.82	11.25	11.25	0.00
9,613.00	81.50	357.50	9,402.96	235.80	-70.28	237.30	11.95	11.94	-0.65
9,645.00	83.70	357.20	9,407.09	267.50	-71.74	269.02	6.94	6.87	-0.94
9,657.06	84.44	357.32	9,408.33	279.48	-72.32	281.01	6.20	6.13	0.97
Design 2 LP (Hawk 25 Fed 2H) - LP (Falcon 25 2H)									
9,676.00	85.60	357.50	9,409.98	298.33	-73.17	299.88	6.20	6.13	0.97
9,684.63	85.73	357.55	9,410.63	306.92	-73.54	308.48	1.68	1.56	0.63
LP (Hawk 25 1H)									
9,708.00	86.10	357.70	9,412.29	330.22	-74.51	331.79	1.68	1.56	0.62
9,739.00	86.30	357.90	9,414.35	361.13	-75.69	362.72	0.91	0.65	0.65
9,834.00	89.10	358.30	9,418.16	455.99	-78.84	457.62	2.98	2.95	0.42
9,867.15	89.62	358.27	9,418.53	489.12	-79.83	490.77	1.58	1.58	-0.11
New LP (Hawk 25 Fed 2H)									
9,929.00	90.60	358.20	9,418.41	550.94	-81.74	552.62	1.58	1.58	-0.11
10,024.00	89.40	359.80	9,418.41	645.92	-83.40	647.61	2.11	-1.26	1.68
10,119.00	90.20	359.60	9,418.74	740.92	-83.90	742.60	0.87	0.84	-0.21

Company: EOG Resources
Project: Lea County, NM
Site: Hawk 25 Fed #2H
Well: Hawk 25 #2H
Wellbore: Original Hole
Design: Original Hole

Local Co-ordinate Reference: Well Hawk 25 #2H
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)
10,214.00	89.30	0.60	9,419.15	835.92	-83.73	837.57	1.42	-0.95	1.05
10,309.00	90.30	0.70	9,419.48	930.91	-82.65	932.51	1.06	1.05	0.11
10,404.00	89.20	0.90	9,419.90	1,025.90	-81.33	1,027.45	1.18	-1.16	0.21
10,498.00	89.80	0.80	9,420.72	1,119.88	-79.93	1,121.38	0.65	0.64	-0.11
10,593.00	91.00	0.00	9,420.06	1,214.87	-79.27	1,216.33	1.52	1.26	-0.84
10,688.00	89.30	359.00	9,419.81	1,309.87	-80.10	1,311.32	2.08	-1.79	-1.05
10,783.00	90.60	359.10	9,419.89	1,404.85	-81.67	1,406.32	1.37	1.37	0.11
10,877.00	88.40	357.90	9,420.71	1,498.81	-84.13	1,500.30	2.67	-2.34	-1.28
10,972.00	88.60	357.30	9,423.20	1,593.69	-88.11	1,595.25	0.67	0.21	-0.63
11,067.00	89.40	356.70	9,424.86	1,688.54	-93.08	1,690.19	1.05	0.84	-0.63
11,162.00	90.50	356.70	9,424.94	1,783.39	-98.55	1,785.13	1.16	1.16	0.00
11,257.00	90.30	358.40	9,424.27	1,878.29	-102.61	1,880.11	1.80	-0.21	1.79
11,352.00	90.40	359.50	9,423.69	1,973.27	-104.35	1,975.10	1.16	0.11	1.16
11,446.00	90.10	359.30	9,423.28	2,067.27	-105.34	2,069.09	0.38	-0.32	-0.21
11,541.00	89.30	359.60	9,423.78	2,162.26	-106.25	2,164.09	0.90	-0.84	0.32
11,636.00	88.70	359.30	9,425.44	2,257.24	-107.16	2,259.06	0.71	-0.63	-0.32
11,731.00	89.90	358.90	9,426.60	2,352.22	-108.65	2,354.05	1.33	1.26	-0.42
11,826.00	90.90	0.80	9,425.94	2,447.21	-108.90	2,449.03	2.26	1.05	2.00
11,920.00	90.40	1.00	9,424.87	2,541.20	-107.42	2,542.95	0.57	-0.53	0.21
12,015.00	88.00	1.00	9,426.20	2,636.16	-105.77	2,637.86	2.53	-2.53	0.00
12,109.00	90.20	0.30	9,427.67	2,730.14	-104.70	2,731.79	2.46	2.34	-0.74
12,204.00	88.10	1.10	9,429.08	2,825.12	-103.54	2,826.72	2.37	-2.21	0.84
12,299.00	88.60	0.40	9,431.82	2,920.07	-102.30	2,921.62	0.91	0.53	-0.74
12,394.00	90.00	0.30	9,432.98	3,015.06	-101.72	3,016.57	1.48	1.47	-0.11
12,488.00	87.20	359.20	9,435.28	3,109.02	-102.13	3,110.52	3.20	-2.98	-1.17
12,583.00	88.70	358.50	9,438.67	3,203.93	-104.03	3,205.45	1.74	1.58	-0.74
12,678.00	90.20	358.30	9,439.59	3,298.89	-106.68	3,300.44	1.59	1.58	-0.21
12,773.00	89.60	359.30	9,439.75	3,393.87	-108.67	3,395.44	1.23	-0.63	1.05
12,867.00	89.60	359.90	9,440.41	3,487.86	-109.33	3,489.43	0.64	0.00	0.64
12,962.00	88.80	359.20	9,441.73	3,582.85	-110.08	3,584.41	1.12	-0.84	-0.74
13,057.00	90.90	358.60	9,441.98	3,677.83	-111.90	3,679.40	2.30	2.21	-0.63
13,152.00	90.20	357.40	9,441.07	3,772.76	-115.22	3,774.39	1.46	-0.74	-1.26
13,246.00	89.00	357.00	9,441.73	3,866.64	-119.81	3,868.35	1.35	-1.28	-0.43
13,341.00	87.20	357.90	9,444.88	3,961.49	-124.03	3,963.27	2.12	-1.89	0.95
13,436.00	87.80	0.30	9,449.02	4,056.38	-125.52	4,058.17	2.60	0.63	2.53
13,531.00	89.20	0.60	9,451.51	4,151.35	-124.78	4,153.09	1.51	1.47	0.32
13,626.00	89.80	0.20	9,452.34	4,246.34	-124.11	4,248.05	0.76	0.63	-0.42
13,721.00	89.70	359.20	9,452.75	4,341.34	-124.61	4,343.03	1.06	-0.11	-1.05
13,790.00	90.00	359.20	9,452.93	4,410.33	-125.57	4,412.03	0.43	0.43	0.00
13,884.00	90.20	1.30	9,452.77	4,504.32	-125.16	4,505.99	2.24	0.21	2.23
13,979.00	89.40	2.00	9,453.10	4,599.28	-122.43	4,600.86	1.12	-0.84	0.74
14,074.00	89.90	1.40	9,453.68	4,694.24	-119.61	4,695.73	0.82	0.53	-0.63

Company:	EOG Resources	Local Co-ordinate Reference:	Well Hawk 25 #2H
Project:	Lea County, NM	TVD Reference:	WELL @ 3560.00usft (Nomac 133 RKB: 22' + GL: 3538')
Site:	Hawk 25 Fed #2H	MD Reference:	WELL @ 3560.00usft (Nomac 133 RKB: 22' + GL: 3538')
Well:	Hawk 25 #2H	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	Original Hole	Database:	EDM 5000.1 Single User Db

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)
14,080.06	89.95	1.36	9,453.69	4,700.29	-119.46	4,701.78	1.14	0.89	-0.71
Low Most Perf (Hawk 25 Fed 2H)									
14,130.00	90.40	1.00	9,453.53	4,750.22	-118.44	4,751.68	1.14	0.89	-0.71
14,167.05	90.40	1.00	9,453.27	4,787.27	-117.79	4,788.70	0.00	0.00	0.00
PBHL (Hawk 25 1H)									
14,177.00	90.40	1.00	9,453.21	4,797.22	-117.62	4,798.64	0.00	0.00	0.00
Bit Proj @ 14177' MD - New PBHL (Hawk 25 Fed 2H) 2-8-14 - PBHL (Falcon 25 2H) - Old PBHL (Hawk 25 Fed 2H) 1-27-14									

Survey Annotations					
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates			
		+N/-S (usft)	+E/-W (usft)	Comment	
14,177.00	9,453.44	4,797.35	-116.39	Bit Proj @ 14177' MD	

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone: (575) 748-1283 Fax: (575) 748-9720
District III
1000 Rio Brazos Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170
District IV
1220 S. St. Francis Dr., Sante Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico
Energy, Minerals & Natural Resources
Department
OIL CONSERVATION DIVISION
JUL 25 2014 1220 South St. Francis Dr.
Sante Fe, NM 87505

FORM C-102

Revised August 1, 2011

Submit one copy to appropriate

District Office

☐ AMENDED REPORT

RECEIVED
WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-025-	² Pool Code 97900	³ Pool Name Red Hills; Bone Spring Upper Shale
⁴ Property Code	⁵ Property Name HAWK 25 FED	⁶ Well Number #2H
⁷ OGRID No. 7377	⁸ Operator Name EOG RESOURCES, INC.	⁹ Elevation 3538'

¹⁰Surface Location

UL or lot no. M	Section 25	Township 24-S	Range 33-E	Lot Idn -	Feet from the 250'	North/South line SOUTH	Feet from the 1020'	East/West line WEST	County LEA
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UL or lot no. D	Section 25	Township 24-S	Range 33-E	Lot Idn -	Feet from the 237'	North/South line NORTH	Feet from the 939'	East/West line WEST	County LEA
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¹² Dedicated Acres 160	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

	BOTTOM HOLE LOCATION NEW MEXICO EAST NAD 1927 X=748203 Y=435617 LAT.: N 32.1950837 LONG.: W 103.5309712	17 OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division. Signature: <i>Stan Wagner</i> Date: 3/22/13 Printed Name: Stan Wagner E-mail Address:	
	LOWER MOST PERF. NEW MEXICO EAST NAD 1927 X=748204 Y=435518 LAT.: N 32.1948091 LONG.: W 103.5309713		18 SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true to the best of my belief. Date of Survey: 10/13/2012 Signature and Seal of Professional Surveyor: <i>Michael Brown</i> Certificate Number: 18329
	UPPER MOST PERF. NEW MEXICO EAST NAD 1927 X=748239 Y=430898 LAT.: N 32.1821099 LONG.: W 103.5309716		
	SURFACE LOCATION NEW MEXICO EAST NAD 1927 X=748289 Y=430818 LAT.: N 32.1818896 LONG.: W 103.5308101		