

DISTRICT I
1625 N. French Dr., Hobbs, NM 88240

DISTRICT II
1301 W. Grand Avenue, Artesia, NM 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

DISTRICT IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico

Energy, Minerals, and Natural Resources Department

OIL CONSERVATION DIVISION

1220 South St. Francis Dr.

Santa Fe, New Mexico 87505

Form C-102

Revised October 12, 2005

Submit to Appropriate District Office

State Lease - 4 copies

Fee Lease - 3 copies

☐ AMENDED REPORT

30-015-35456 WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-015-34290		Pool Code 96832	Pool Name Sand Tank ; Bone Spring
Property Code 35054	Property Name SAND TANK "7" FED		Well Number 3H
GRID No. 7377	Operator Name EOG RESOURCES, INC.		Elevation 3541'

" Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
D	7	18 SOUTH	30 EAST, N.M.P.M.		330'	NORTH	510'	WEST	EDDY

" Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
H	7	18 SOUTH	30 EAST, N.M.P.M.		392	SOUTH	774	WEST	EDDY

17 Dedicated Acres 160	18 Joint or Infill	19 Consolidation Code	20 Order No.
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NO ALLOWABLE WELL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

	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 an undivided 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: <u>Donny G. Glanton</u> Date: <u>12/11/07</u> Printed Name: _____
	18 SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from the data furnished to me by me or under my supervision, and that the same are true and correct to the best of my belief. Date of Survey: _____ Signature of Licensed Professional Surveyor: <u>V. L. BEZNER</u> Certification Number: <u>V. L. BEZNER</u> R.P.S. #7920 JOB #103603 / 98SW / E.U.O.

EOG Resources, Inc.

Sand Tank 7 Fed #3H

Sand Tank 7 Fed #3H

Sand Tank 7 Fed #3H

OH

Survey: Survey #1

Standard Survey Report

21 January, 2008

WHS Survey Report

Company: EOG Resources, Inc.	Local Coordinate Reference: Well Sand Tank 7 Fed #3H	
Project: Sand Tank 7 Fed #3H	TVD Reference: Est RKB @ 3541.00ft	
Site: Sand Tank 7 Fed #3H	MD Reference: Est RKB @ 3541.00ft	
Well: Sand Tank 7 Fed #3H	North Reference: Grid	
Wellbore: OH	Survey Calculation Method: Minimum Curvature	
Design: OH	Database: EDM 2003.16 Single User Db	

Project: Sand Tank 7 Fed #3H		
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: Sand Tank 7 Fed #3H			
Site Position:	From: Map	Northing: 643,349.000 ft	Latitude: 32° 46' 5.738 N
		Easting: 597,080.000 ft	Longitude: 104° 1' 3.020 W
Position Uncertainty: 0.00 ft	Slot Radius: "		Grid Convergence: 0.17 "

Well: Sand Tank 7 Fed #3H			
Well Position	+N/-S 0.00 ft	Northing: 643,349.000 ft	Latitude: 32° 46' 5.738 N
	+E/-W 0.00 ft	Easting: 597,080.000 ft	Longitude: 104° 1' 3.020 W
Position Uncertainty 0.00 ft	Wellhead Elevation: ft	Ground Level: 3,541.00 ft	

Wellbore: OH					
Magnetics	Model Name	Sample Date	Declination	Dip Angle	Field Strength
	IGRF200510	12/21/2007	8.24	60.71	49,264

Design: OH					
Audit Notes:					
Version: 1.0	Phase: ACTUAL	Tie On Depth: 0.00			
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W	Direction	
	(ft)	(ft)	(ft)	(°)	
	0.00	0.00	0.00	303.60	

Survey Program		Date: 1/21/2008		
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description
100.00	7,210.00	Survey #1 (OH)	CT_GYRO_MS	Continuous Gyro Multishot
7,294.00	12,225.00	Survey #2 (OH)	MWD	MWD - Standard

Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	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
100.00	0.96	309.45	100.00	0.53	-0.65	0.83	0.96	0.96	0.00
200.00	0.78	297.77	199.98	1.38	-1.90	2.34	0.25	-0.18	-11.68
300.00	0.72	284.94	299.98	1.86	-3.11	3.62	0.18	-0.06	-12.83
400.00	1.26	267.78	399.96	1.98	-4.81	5.10	0.61	0.54	-17.16
500.00	1.32	265.26	499.93	1.84	-7.06	6.90	0.08	0.06	-2.52
600.00	0.98	266.97	599.91	1.70	-9.06	8.49	0.34	-0.34	1.71
700.00	0.84	266.62	699.90	1.61	-10.65	9.76	0.14	-0.14	-0.35
800.00	0.74	276.56	799.89	1.64	-12.02	10.92	0.17	-0.10	9.94
900.00	0.56	280.03	899.89	1.80	-13.14	11.94	0.18	-0.18	3.47
1,000.00	0.46	335.07	999.88	2.25	-13.79	12.73	0.48	-0.10	55.04
1,100.00	1.09	50.19	1,099.87	3.23	-13.23	12.80	1.07	0.63	75.12

WHS Survey Report

Company: EOG Resources, Inc.
Project: Sand Tank 7 Fed #3H
Site: Sand Tank 7 Fed #3H
Well: Sand Tank 7 Fed #3H
Wellbore: OH
Design: OH

Local Co-ordinate Reference: Well Sand Tank 7 Fed #3H
TVD Reference: Est RKB @ 3541.00ft
MD Reference: Est RKB @ 3541.00ft
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: EDM 2003.16 Single User Db

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
1,200.00	1.06	47.20	1,199.86	4.46	-11.82	12.32	0.06	-0.03	-2.99
1,300.00	0.93	49.20	1,299.84	5.62	-10.53	11.88	0.13	-0.13	2.00
1,400.00	0.35	31.18	1,399.84	6.41	-9.76	11.67	0.61	-0.58	-18.02
1,500.00	0.27	344.45	1,499.83	6.90	-9.66	11.87	0.26	-0.08	-46.73
1,600.00	0.17	327.61	1,599.83	7.25	-9.80	12.18	0.12	-0.10	-16.84
1,700.00	0.23	286.43	1,699.83	7.44	-10.07	12.51	0.15	0.06	-41.18
1,800.00	0.20	297.72	1,799.83	7.57	-10.42	12.87	0.05	-0.03	11.29
1,900.00	0.24	233.40	1,899.83	7.53	-10.74	13.12	0.24	0.04	-64.32
2,000.00	0.46	244.58	1,999.83	7.23	-11.28	13.39	0.23	0.22	11.18
2,100.00	0.53	258.90	2,099.83	6.97	-12.09	13.93	0.14	0.07	14.32
2,200.00	0.69	246.91	2,199.82	6.65	-13.10	14.59	0.20	0.16	-11.99
2,300.00	0.92	232.91	2,299.81	5.93	-14.29	15.19	0.30	0.23	-14.00
2,400.00	1.29	229.82	2,399.79	4.72	-15.79	15.76	0.37	0.37	-3.09
2,500.00	1.15	233.59	2,499.77	3.39	-17.46	16.42	0.16	-0.14	3.77
2,600.00	1.09	237.70	2,599.75	2.29	-19.07	17.15	0.10	-0.06	4.11
2,700.00	1.08	238.08	2,699.73	1.28	-20.68	17.93	0.01	-0.01	0.38
2,800.00	0.99	230.70	2,799.72	0.24	-22.15	18.58	0.16	-0.09	-7.38
2,900.00	1.06	232.57	2,899.70	-0.87	-23.55	19.13	0.08	0.07	1.87
3,000.00	0.87	231.14	2,999.69	-1.91	-24.87	19.66	0.19	-0.19	-1.43
3,100.00	0.89	235.71	3,099.67	-2.82	-26.11	20.18	0.07	0.02	4.57
3,200.00	0.81	240.47	3,199.66	-3.61	-27.36	20.79	0.11	-0.08	4.76
3,300.00	0.92	231.23	3,299.65	-4.46	-28.60	21.36	0.18	0.11	-9.24
3,400.00	1.01	231.75	3,399.64	-5.51	-29.92	21.88	0.09	0.09	0.52
3,500.00	0.96	225.59	3,499.62	-6.64	-31.21	22.32	0.12	-0.05	-6.16
3,600.00	1.02	222.34	3,599.61	-7.89	-32.41	22.63	0.08	0.06	-3.25
3,700.00	0.84	222.09	3,699.59	-9.09	-33.50	22.88	0.18	-0.18	-0.25
3,800.00	0.58	223.21	3,799.59	-10.00	-34.34	23.07	0.26	-0.26	1.12
3,900.00	0.58	223.60	3,899.58	-10.74	-35.04	23.24	0.00	0.00	0.39
4,000.00	0.54	233.17	3,999.58	-11.38	-35.76	23.49	0.10	-0.04	9.57
4,100.00	0.44	236.28	4,099.57	-11.88	-36.46	23.79	0.10	-0.10	3.11
4,200.00	0.32	262.50	4,199.57	-12.13	-37.05	24.15	0.21	-0.12	26.22
4,300.00	0.52	286.57	4,299.57	-12.04	-37.77	24.80	0.26	0.20	24.07
4,400.00	0.56	293.43	4,399.56	-11.71	-38.65	25.71	0.08	0.04	6.86
4,500.00	0.80	296.49	4,499.56	-11.21	-39.72	26.88	0.24	0.24	3.06
4,600.00	0.83	302.52	4,599.55	-10.51	-40.96	28.30	0.09	0.03	6.03
4,700.00	0.90	315.85	4,699.54	-9.55	-42.12	29.79	0.21	0.07	13.33
4,800.00	1.24	315.75	4,799.52	-8.22	-43.42	31.62	0.34	0.34	-0.10
4,900.00	1.06	319.20	4,899.50	-6.74	-44.78	33.57	0.19	-0.18	3.45
5,000.00	1.25	325.13	4,999.48	-5.14	-46.01	35.47	0.22	0.19	5.93
5,100.00	1.10	329.33	5,099.46	-3.42	-47.12	37.35	0.17	-0.15	4.20
5,200.00	1.09	331.65	5,199.44	-1.76	-48.06	39.06	0.05	-0.01	2.32
5,300.00	1.27	340.76	5,299.42	0.12	-48.88	40.78	0.26	0.18	9.11
5,400.00	1.13	356.57	5,399.40	2.15	-49.30	42.26	0.36	-0.14	15.81
5,500.00	1.15	350.65	5,499.38	4.13	-49.52	43.53	0.12	0.02	-5.92
5,600.00	1.32	2.43	5,599.35	6.27	-49.64	44.81	0.30	0.17	11.78
5,700.00	1.60	7.31	5,699.32	8.80	-49.41	46.03	0.31	0.28	4.88
5,800.00	1.41	11.88	5,799.29	11.39	-48.98	47.10	0.22	-0.19	4.57
5,900.00	1.52	353.10	5,899.25	13.91	-48.89	48.42	0.49	0.11	-18.78
6,000.00	1.73	352.01	5,999.21	16.72	-49.26	50.28	0.21	0.21	-1.09
6,100.00	1.90	332.49	6,099.16	19.69	-50.23	52.73	0.64	0.17	-19.52
6,200.00	2.33	324.99	6,199.10	22.82	-52.16	56.08	0.51	0.43	-7.50
6,300.00	2.81	320.84	6,298.99	26.39	-54.88	60.31	0.51	0.48	-4.15
6,400.00	2.94	314.45	6,398.87	30.09	-58.26	65.17	0.35	0.13	-6.39
6,500.00	3.23	313.47	6,498.72	33.82	-62.13	70.47	0.29	0.29	-0.98

WHS

Survey Report

Company: EOG Resources, Inc.
 Project: Sand Tank 7 Fed #3H
 Site: Sand Tank 7 Fed #3H
 Well: Sand Tank 7 Fed #3H
 Wellbore: OH
 Design: OH

Local Co-ordinate Reference: Well Sand Tank 7 Fed #3H
 TVD Reference: Est RKB @ 3541.00ft
 MD Reference: Est RKB @ 3541.00ft
 North Reference: Grid
 Survey Calculation Method: Minimum Curvature
 Database: EDM 2003.16 Single User Db

Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
6,600.00	2.88	312.19	6,598.58	37.45	-66.04	75.73	0.36	-0.35	-1.28
6,700.00	2.58	311.10	6,698.47	40.61	-69.59	80.44	0.30	-0.30	-1.09
6,800.00	2.73	314.33	6,798.36	43.76	-72.99	85.01	0.21	0.15	3.23
6,900.00	2.67	312.92	6,898.25	47.01	-76.40	89.65	0.09	-0.06	-1.41
7,000.00	2.90	314.73	6,998.13	50.37	-79.91	94.43	0.25	0.23	1.81
7,100.00	2.79	318.26	7,098.01	53.97	-83.32	99.27	0.21	-0.11	3.53
7,200.00	3.15	312.90	7,197.87	57.66	-86.96	104.33	0.45	0.36	-5.36
7,210.00	3.03	314.69	7,207.86	58.03	-87.35	104.86	1.54	-1.20	17.90

Targets

Target Name	hit/miss target	Dip Angle (°)	Dip Dir (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
BHL		0.00	0.00	7,933.00	-4,609.00	160.00	638,740.000	597,240.000	32° 45' 20.126 N	104° 1' 1.308 W
- survey misses by 4729.50ft at 7210.00ft MD (7207.86 TVD, 58.03 N, -87.35 E)										
- Point										

Checked By: _____ Approved By: _____ Date: _____

Well Name	SAND TANK 7 FED #3H	Division	MIDLAND	County, St	EDDY, NM
Well ID	042794	Well Type	DEVG	Well Class	COMP



Type	MD	Inclination	Azimuth	TVD	VS	NS	EW	DL
MWD-0	7,294	2.20	277.72	7,292	-64.90	59.81	-90.52	
MWD-0	7,325	3.69	218.66	7,323	-64.28	59.11	-91.73	
MWD-0	7,356	6.77	202.84	7,354	-61.89	56.64	-93.06	
MWD-0	7,387	9.94	198.89	7,384	-57.77	52.43	-94.64	
MWD-0	7,418	13.53	196.68	7,415	-51.89	46.42	-96.55	
MWD-0	7,448	17.24	194.84	7,444	-44.36	38.76	-98.69	
MWD-0	7,479	21.02	193.22	7,473	-34.66	28.90	-101.14	
MWD-0	7,510	24.71	191.67	7,501	-23.07	17.14	-103.72	
MWD-0	7,541	28.40	189.12	7,529	-9.60	3.51	-106.20	
MWD-0	7,572	31.83	186.22	7,556	5.67	-11.90	-108.26	
MWD-0	7,604	35.44	183.59	7,583	23.21	-29.55	-109.76	
MWD-0	7,635	39.04	180.09	7,607	41.88	-48.30	-110.33	
MWD-0	7,666	42.56	177.52	7,631	62.12	-68.54	-109.90	
MWD-0	7,698	46.25	175.85	7,654	84.51	-90.89	-108.59	
MWD-0	7,730	49.42	175.94	7,675	108.22	-114.54	-106.89	
MWD-0	7,761	51.53	175.90	7,695	132.13	-138.39	-105.19	
MWD-0	7,793	53.73	176.03	7,714	157.56	-163.76	-103.40	
MWD-0	7,823	57.16	174.97	7,731	182.25	-188.39	-101.46	
MWD-0	7,854	61.03	174.01	7,747	208.83	-214.86	-98.90	
MWD-0	7,885	64.63	173.48	7,761	236.36	-242.27	-95.90	
MWD-0	7,916	68.85	173.57	7,774	264.79	-270.56	-92.68	
MWD-0	7,947	73.07	175.06	7,784	294.06	-299.71	-89.79	
MWD-0	7,978	77.47	176.03	7,792	324.03	-329.59	-87.46	
MWD-0	8,009	82.13	177.00	7,797	354.53	-360.04	-85.61	
MWD-0	8,071	88.72	176.73	7,802	416.30	-421.72	-82.23	
MWD-0	8,165	88.64	176.56	7,804	510.28	-515.53	-76.73	
MWD-0	8,196	88.29	175.85	7,805	541.26	-546.45	-74.68	
MWD-0	8,289	85.65	175.76	7,810	634.11	-639.06	-67.89	
MWD-0	8,383	85.82	175.88	7,817	727.84	-732.55	-61.05	
MWD-0	8,507	85.74	175.85	7,826	851.49	-855.90	-52.14	
MWD-0	8,632	87.32	175.24	7,834	976.23	-980.28	-42.44	
MWD-0	8,757	87.41	175.76	7,839	1,101.07	-1,104.77	-32.65	
MWD-0	8,913	87.49	176.21	7,846	1,256.90	-1,260.23	-21.74	
MWD-0	9,070	88.37	176.29	7,852	1,413.80	-1,416.79	-11.48	
MWD-0	9,224	88.02	175.94	7,857	1,567.71	-1,570.36	-1.05	
MWD-0	9,379	87.10	175.68	7,863	1,722.55	-1,724.80	10.27	
MWD-0	9,534	87.41	175.33	7,871	1,877.34	-1,879.15	22.40	
MWD-0	9,691	87.93	174.36	7,877	2,034.12	-2,035.38	36.50	
MWD-0	9,848	89.16	175.76	7,881	2,191.00	-2,191.74	50.01	
MWD-0	10,007	88.50	174.80	7,884	2,349.91	-2,350.17	63.09	
MWD-0	10,166	88.64	174.62	7,888	2,508.77	-2,508.44	77.75	
MWD-0	10,324	88.81	175.24	7,892	2,666.65	-2,665.78	91.70	
MWD-0	10,482	88.81	175.10	7,895	2,824.56	-2,823.19	105.01	
MWD-0	10,641	88.81	175.94	7,898	2,983.49	-2,981.66	117.42	
MWD-0	10,793	89.16	175.59	7,901	3,135.44	-3,133.23	128.65	
MWD-0	10,954	88.64	176.03	7,904	3,296.39	-3,293.76	140.41	
MWD-0	11,077	88.20	175.94	7,908	3,419.34	-3,416.42	149.02	
MWD-0	11,200	88.20	175.76	7,911	3,542.26	-3,539.03	157.91	
MWD-0	11,354	88.20	175.68	7,916	3,696.16	-3,692.53	169.40	
MWD-0	11,477	88.46	175.33	7,920	3,819.08	-3,815.10	179.04	
MWD-0	11,621	87.49	173.86	7,925	3,962.89	-3,958.36	192.59	

MWD-0	11,754	87.67	173.39	7,931	4,095.58	-4,090.42	207.34
MWD-0	11,908	87.85	173.30	7,937	4,249.20	-4,243.27	225.18
MWD-0	12,063	87.85	172.87	7,942	4,403.78	-4,397.03	243.83
MWD-0	12,126	88.11	172.07	7,945	4,466.56	-4,459.45	252.08