

HOBBS, ARTESIA, AZTEC, SANTA FE NMOCD DISTRICT OFFICE

C-104 DENIAL NOTICE

(Date of Denial)

(Contact person)

(Phone)

Operator E OG OGRID 7377

Well Name Sand Tank: Bone Spring API Number 30 015 36579

Pool Code 96830

Your recent form C-104 for the above well is hereby rejected for the following reason(s):

C-103 Subsequent Report with complete casing and cement data not received

C-103 Subsequent Report with Completion Report not received

C-105 not received or incomplete

C-101 and C-102 not in agreement as to completion information

Logs not received

Part 5.9 violations (Specifically _____)

Directional/Deviation Survey required

C-102 that shows the results of the Directional Drill Survey and resulting bottom hole location

NSL/NSP not approved

C-104 omitted information

Section I information (name, address, OGRID, etc.)

Section II information (surface location)

Section IV information (well completion data)

- o Spud date
- o Ready date
- o TD
- o PBTD
- o Perfs
- o Hole size, casing/tubing size, depth set, sacks cement

Section V information (well test data)

- o Box Number _____

Signature _____ Printed Name and Title _____ E-mail Address _____ Date _____ Phone _____

Other _____

The well completion identified above has **not** been granted an allowable to produce. This well completion **shall** **not** be produced until the New Mexico Oil Conservation Division issues an approved C-104. This will **not** take place until all of the items noted above are addressed to the NMOCD's satisfaction.



MAY - 5 2009

EOG Resources, Inc.
4000 North Big Spring, Suite 500
Midland, TX 79705
(915) 686-3600

May 1, 2009

State of New Mexico
Oil Conservation Division
1301 W. Grand Avenue
Artesia, New Mexico 88210

Re: Confidentiality Request
Sand Tank 18 Fed Com 3H

Enclosed please find logs and completion papers for our Sand Tank 18 Fed Com 3H.
EOG Resources, Inc. respectfully requests confidentiality for the logs and completion papers on this well.

Thank you for your consideration of this request.

Sincerely,

EOG Resources, Inc.

A handwritten signature in black ink, appearing to read "Stan Wagner", with a long horizontal line extending to the right.

Stan Wagner
Regulatory Analyst
432.686.3689

Waiting on

- Completion report
- Completion Sundry
- Directional Survey

~~432.686.3689~~

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 & Natural Resources

Form C-104
Revised Feb. 26, 2007

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Submit to Appropriate District Office
5 Copies

MAY - 5 2009

☐ AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

¹ Operator name and Address EOG Resources, Inc. P.O. Box 2267 Midland, TX 79702		² OGRID Number 7377 ³ Reason for Filing Code/Effective Date NW 4/2009
⁴ API Number 30-0 15-36579	⁵ Pool Name Sand Tank; Bone Spring ⁶ Pool Code 96832	
⁷ Property Code 21095	⁸ Property Name Sand Tank 18 Fed Com ⁹ Well Number 3H	

II. ¹⁰Surface Location

UL or lot no. G	Section 18	Township 18S	Range 30E	Lot. Idn	Feet from the 1990	North/South Line North	Feet from the 2100	East/West line East	County Eddy
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¹¹Bottom Hole Location

UL or lot no. F	Section 17	Township 18S	Range 30E	Lot. Idn	Feet from the 1723	North/South Line North	Feet from the 2285	East/West line West	County Eddy
¹² Lse Code F	¹³ Producing Method Code Pumping	¹⁴ Gas Connection Date 4/9/09	¹⁵ C-129 Permit Number	¹⁶ C-129 Effective Date	¹⁷ C-129 Expiration Date				

III. Oil and Gas Transporters

¹⁸ Transporter OGRID	¹⁹ Transporter Name and Address	²⁰ O/G/W
35246	Shell Trading, US	Oil
221115	Frontier Field Services	Gas

IV. Well Completion Data

²¹ Spud Date 12/16/08	²² Ready Date 4/9/09	²³ TD 12220 M-8101 V	²⁴ PBTB 12212	²⁵ Perforations 8410 - 11910	²⁶ DHC, MC ☒
²⁷ Hole Size 14-3/4	²⁸ Casing & Tubing Size 11-3/4	²⁹ Depth Set 388	³⁰ Sacks Cement 500 C		
11	8-5/8	2752	700 POZ C, 200 C		
7-7/8	5-1/2	12212	750 POZ C, 750 POZ H		

V. Well Test Data

³¹ Date New Oil 4/9/09	³² Gas Delivery Date 4/9/09	³³ Test Date 4/19/09	³⁴ Test Length 24	³⁵ Tbg. Pressure 350	³⁶ Csg. Pressure 70
³⁷ Choke Size 32/64	³⁸ Oil 224	³⁹ Water 62	⁴⁰ Gas 213	⁴¹ Test Method Pumping	

⁴² I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

Signature: *Stan Wagner*

Printed name:
Stan Wagner

Title:
Regulatory Analyst

E-mail Address

Date: **4/20/09** Phone: **432-686-3689**

OIL CONSERVATION DIVISION

Appr
DENIED

Title
By Jacqui Reeves

Appr
Date **4/30/09** (575) 748-1283 x 03

see attachment

District I
9525 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 & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-102
Revised October 12, 2005
Submit to Appropriate District Office
State Lease- 4 Copies
Fee Lease- 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-015 - 36579	Pool Code 96832	Pool Name Sand Tank, Bone Spring
Property Code 21095	Property Name SAND TANK 18 FED. COM	Well Number 3H
OGRID No. 7377	Operator Name EOG RESOURCES, INC.	Elevation 3521.4'

Surface Location

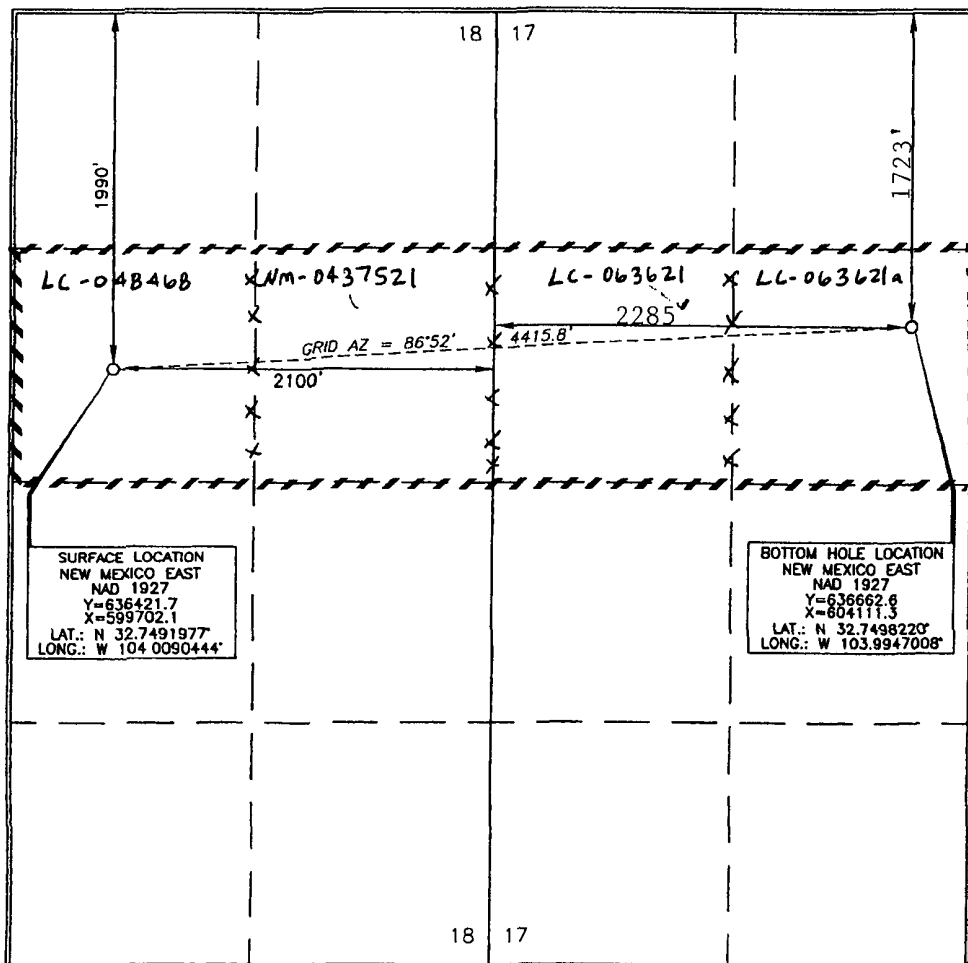
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
G	18	18 SOUTH	30 EAST, N.M.P.M.		1990	NORTH	2100	EAST	EDDY

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
F	17	18 SOUTH	30 EAST, N.M.P.M.		1723	NORTH	2285	WEST	EDDY

Dedicated Acres 160	Joint or Infill	Consolidation Code	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.



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.

Don G. Glanton 5/19/08
Signature Date

Donny G. Glanton
Printed Name

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 and correct to the best of my belief.

APR 29 2008
Date of Survey

Terry J. Paul
Signature and Seal of Professional Surveyor

Terry J. Paul 5/18/2008
Certificate Number 15079

WO# 080429WL-b (KA)



Azimuths to Grid North
True North: -0.17°
Magnetic North: 7.94°

Magnetic Field
Strength: 49160.5nT
Dip Angle: 60.67°
Date: 12/9/2008
Model: IGRF200510



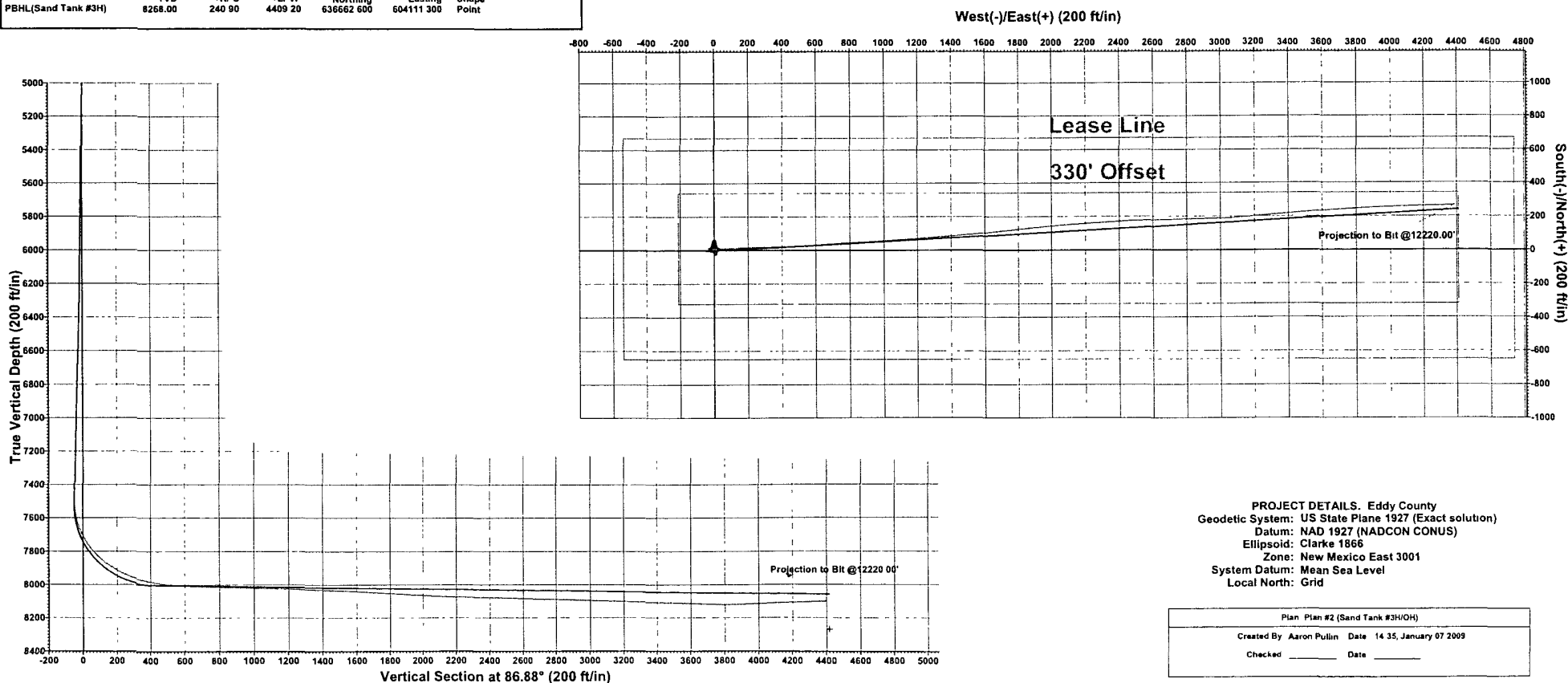
EOW

SECTION DETAILS									
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec
1	7518.00	1.39	237.85	7516.91	-0.77	-51.25	0.00	0.00	-51.21
2	8270.79	89.20	86.82	8004.00	19.67	418.59	12.01	-151.03	419.04
3	8271.04	89.20	86.83	8004.00	19.68	418.84	4.00	90.00	419.29
4	12267.68	89.20	86.83	8059.81	240.67	4408.98	0.00	0.00	4415.54
5	12267.91	89.20	86.83	8059.81	240.68	4409.21	0.00	0.00	4415.78

WELL DETAILS: Sand Tank #3H						
Ground Elevation: 3521.40						
RKB Elevation: WELL @ 3539.40ft (McVay 4 RKB= 18")						
Rig Name: McVay 4 RKB= 18"						
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0.00	0.00	636421.700	599702.100	32° 44' 57.112 N	104° 0' 32.560 W	

Project: Eddy County
Site: Sand Tank 18 Fed Com #3H
Well: Sand Tank #3H
Wellbore: OH
Plan: Plan #2 (Sand Tank #3H/OH)

WELLBORE TARGET DETAILS (MAP CO-ORDINATES)					
Name	TVD	+N/-S	+E/-W	Northing	Easting
PBHL(Sand Tank #3H)	8268.00	240.90	4409.20	636662.600	604111.300



PROJECT DETAILS: Eddy County
Geodetic System: US State Plane 1927 (Exact solution)
Datum: NAD 1927 (NADCON CONUS)
Ellipsoid: Clarke 1866
Zone: New Mexico East 3001
System Datum: Mean Sea Level
Local North: Grid

Plan: Plan #2 (Sand Tank #3H/OH)	
Created By: Aaron Pullin	Date: 14 35, January 07 2009
Checked: _____	Date: _____

Pathfinder Energy Services

Pathfinder X & Y Survey Report

Company: EOG Resources, Inc.
Project: Eddy County
Site: Sand Tank 18 Fed Com #3H
Well: Sand Tank #3H
Wellbore: OH
Design: OH

Local Co-ordinate Reference: Well Sand Tank #3H
TVD Reference: WELL @ 3539.40ft (McVay 4 RKB= 18')
MD Reference: WELL @ 3539.40ft (McVay 4 RKB= 18')
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: EDM 2003 16 Single User Db

Project: Eddy County

Map System: US State Plane 1927 (Exact solution)
Geo Datum: NAD 1927 (NADCON CONUS)
Map Zone: New Mexico East 3001

System Datum: Mean Sea Level

Site: Sand Tank 18 Fed Com #3H

Site Position:	Northing:	636,421.700 ft	Latitude:	32° 44' 57.112 N
From: Map	Easting:	599,702.100 ft	Longitude:	104° 0' 32.560 W
Position Uncertainty: 0.00 ft	Slot Radius:	"	Grid Convergence:	0 18 °

Well: Sand Tank #3H

Well Position	+N/-S	0.00 ft	Northing:	636,421.700 ft	Latitude:	32° 44' 57.112 N
	+E/-W	0.00 ft	Easting:	599,702.100 ft	Longitude:	104° 0' 32.560 W
Position Uncertainty		0.00 ft	Wellhead Elevation:	ft	Ground Level:	3,521.40 ft

Wellbore: OH

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF200510	12/9/2008	8.12	60.67	49,160

Design: OH

Audit Notes:

Version:	1.0	Phase:	ACTUAL	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD)	+N/-S (ft)	+E/-W (ft)	Direction (°)	
	0.00	0.00	0.00	86.88	

Pathfinder Energy Services

Pathfinder X & Y Survey Report

Company: EOG Resources, Inc.
Project: Eddy County
Site: Sand Tank 18 Fed Com #3H
Well: Sand Tank #3H
Wellbore: OH
Design: OH

Local Co-ordinate Reference: Well Sand Tank #3H
TVD Reference: WELL @ 3539.40ft (McVay 4 RKB= 18')
MD Reference: WELL @ 3539 40ft (McVay 4 RKB= 18')
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: EDM 2003.16 Single User Db

Survey Program		Date 1/7/2009		
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description
100.00	7,400.00	GYRO (OH)	CT_GYRO_MS	Continuous Gyro Multishot
7,460.00	12,220.00	MWD (OH)	MWD	MWD - Standard

Survey											
MD (ft)	Inc (°)	Azi (°)	TVD (ft)	TVDSS (ft)	N/S (ft)	E/W (ft)	V. Sec (ft)	DLeg (°/100ft)	Northing (ft)	Easting (ft)	
7,400.00	1.37	271.39	7,398.94	3,859.54	0.10	-48.76	-48.68	0.00	636,421.80	599,653.34	
7,460.00	0.88	237.72	7,458.93	3,919.53	-0.13	-49.87	-49.80	1.34	636,421.57	599,652.23	
7,492.00	0.53	99.84	7,490.93	3,951.53	-0.29	-49.93	-49.87	4.13	636,421.41	599,652.17	
7,523.00	3.34	82.41	7,521.91	3,982.51	-0.19	-48.89	-48.83	9.16	636,421.51	599,653.21	
7,554.00	6.95	79.83	7,552.78	4,013.38	0.26	-46.15	-46.07	11.67	636,421.96	599,655.95	
7,586.00	10.64	79.72	7,584.40	4,045.00	1.13	-41.34	-41.21	11.53	636,422.83	599,660.76	
7,617.00	14.60	79.32	7,614.64	4,075.24	2.36	-34.68	-34.50	12.78	636,424.06	599,667.42	
7,649.00	18.47	79.66	7,645.31	4,105.91	4.02	-25.73	-25.47	12.10	636,425.72	599,676.37	
7,681.00	22.25	81.60	7,675.31	4,135.91	5.82	-14.74	-14.40	12.00	636,427.52	599,687.36	
7,712.00	25.94	84.42	7,703.60	4,164.20	7.33	-2.18	-1.78	12.47	636,429.03	599,699.92	
7,743.00	29.63	87.03	7,731.03	4,191.63	8.39	12.22	12.66	12.53	636,430.09	599,714.32	
7,774.00	33.33	88.06	7,757.46	4,218.06	9.08	28.39	28.85	12.06	636,430.78	599,730.49	
7,805.00	37.02	86.72	7,782.79	4,243.39	9.90	46.23	46.70	12.16	636,431.60	599,748.33	
7,836.00	40.89	86.38	7,806.90	4,267.50	11.07	65.68	66.19	12.50	636,432.77	599,767.78	
7,867.00	45.11	86.59	7,829.56	4,290.16	12.37	86.78	87.32	13.62	636,434.07	599,788.88	
7,899.00	49.15	86.93	7,851.33	4,311.93	13.69	110.19	110.77	12.65	636,435.39	599,812.29	
7,930.00	53.29	87.80	7,870.74	4,331.34	14.80	134.32	134.93	13.53	636,436.50	599,836.42	
7,961.00	56.45	88.06	7,888.58	4,349.18	15.71	159.66	160.28	10.22	636,437.41	599,861.76	
7,992.00	59.00	88.43	7,905.13	4,365.73	16.51	185.85	186.48	8.29	636,438.21	599,887.95	
8,022.00	61.64	88.51	7,919.98	4,380.58	17.21	211.91	212.53	8.80	636,438.91	599,914.01	
8,054.00	64.28	88.30	7,934.53	4,395.13	18.00	240.39	241.02	8.27	636,439.70	599,942.49	

Pathfinder Energy Services

Pathfinder X & Y Survey Report

Company: EOG Resources, Inc.
Project: Eddy County
Site: Sand Tank 18 Fed Com #3H
Well: Sand Tank #3H
Wellbore: OH
Design: OH

Local Co-ordinate Reference: Well Sand Tank #3H
TVD Reference: WELL @ 3539.40ft (McVay 4 RKB= 18')
MD Reference: WELL @ 3539.40ft (McVay 4 RKB= 18')
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: EDM 2003.16 Single User Db

Survey											
MD (ft)	Inc (°)	Azi (°)	TVD (ft)	TVDSS (ft)	N/S (ft)	E/W (ft)	V. Sec (ft)	DLeg (°/100ft)	Northing (ft)	Easting (ft)	
8,086.00	67.53	88.79	7,947.59	4,408.19	18.74	269.59	270.21	10.25	636,440.44	599,971.69	
8,117.00	71.14	89.51	7,958.53	4,419.13	19.17	298.59	299.19	11.85	636,440.87	600,000.69	
8,148.00	75.27	89.47	7,967.49	4,428.09	19.43	328.26	328.83	13.32	636,441.13	600,030.36	
8,179.00	77.65	88.33	7,974.74	4,435.34	20.01	358.39	358.95	8.47	636,441.71	600,060.49	
8,210.00	78.88	87.94	7,981.05	4,441.65	21.00	388.73	389.29	4.15	636,442.70	600,090.83	
8,241.00	78.96	87.81	7,987.01	4,447.61	22.13	419.13	419.71	0.49	636,443.83	600,121.23	
8,273.00	80.81	87.94	7,992.63	4,453.23	23.30	450.61	451.21	5.80	636,445.00	600,152.71	
8,303.00	83.10	87.03	7,996.82	4,457.42	24.60	480.28	480.91	8.20	636,446.30	600,182.38	
8,397.00	87.58	86.68	8,004.46	4,465.06	29.74	573.80	574.57	4.78	636,451.44	600,275.90	
8,490.00	86.97	85.29	8,008.88	4,469.48	36.24	666.47	667.45	1.63	636,457.94	600,368.57	
8,583.00	87.58	85.81	8,013.30	4,473.90	43.45	759.08	760.32	0.86	636,465.15	600,461.18	
8,676.00	88.55	87.66	8,016.44	4,477.04	48.75	851.87	853.26	2.25	636,470.45	600,553.97	
8,769.00	88.37	86.78	8,018.94	4,479.54	53.25	944.73	946.23	0.97	636,474.95	600,646.83	
8,862.00	88.55	86.11	8,021.44	4,482.04	59.02	1,037.52	1,039.19	0.75	636,480.72	600,739.62	
8,956.00	88.55	85.40	8,023.82	4,484.42	65.97	1,131.23	1,133.14	0.76	636,487.67	600,833.33	
9,049.00	88.02	86.19	8,026.60	4,487.20	72.79	1,223.93	1,226.08	1.02	636,494.49	600,926.03	
9,141.00	87.93	85.93	8,029.85	4,490.45	79.11	1,315.66	1,318.02	0.30	636,500.81	601,017.76	
9,233.00	88.29	85.31	8,032.89	4,493.49	86.13	1,407.34	1,409.94	0.78	636,507.83	601,109.44	
9,326.00	87.58	84.90	8,036.24	4,496.84	94.06	1,499.94	1,502.84	0.88	636,515.76	601,202.04	
9,420.00	86.26	84.36	8,041.29	4,501.89	102.84	1,593.39	1,596.63	1.52	636,524.54	601,295.49	
9,513.00	86.35	83.77	8,047.28	4,507.88	112.44	1,685.70	1,689.32	0.64	636,534.14	601,387.80	
9,607.00	87.23	83.82	8,052.55	4,513.15	122.59	1,779.00	1,783.04	0.94	636,544.29	601,481.10	
9,700.00	86.26	84.44	8,057.83	4,518.43	132.08	1,871.36	1,875.78	1.24	636,553.78	601,573.46	
9,794.00	86.53	84.65	8,063.74	4,524.34	141.00	1,964.75	1,969.51	0.36	636,562.70	601,666.85	
9,888.00	86.44	85.32	8,069.50	4,530.10	149.20	2,058.21	2,063.28	0.72	636,570.90	601,760.31	
9,982.00	88.20	86.50	8,073.90	4,534.50	155.90	2,151.87	2,157.16	2.25	636,577.60	601,853.97	
10,076.00	88.64	86.44	8,076.49	4,537.09	161.68	2,245.65	2,251.12	0.47	636,583.38	601,947.75	

Pathfinder Energy Services

Pathfinder X & Y Survey Report

Company: EOG Resources, Inc.
Project: Eddy County
Site: Sand Tank 18 Fed Com #3H
Well: Sand Tank #3H
Wellbore: OH
Design: OH

Local Co-ordinate Reference: Well Sand Tank #3H
TVD Reference: WELL @ 3539.40ft (McVay 4 RKB= 18')
MD Reference: WELL @ 3539.40ft (McVay 4 RKB= 18')
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: EDM 2003 16 Single User Db

Survey											
MD (ft)	Inc (°)	Azi (°)	TVD (ft)	TVDSS (ft)	N/S (ft)	E/W (ft)	V. Sec (ft)	DLeg (°/100ft)	Northing (ft)	Easting (ft)	
10,170.00	89.43	86.03	8,078.07	4,538.67	167.85	2,339.44	2,345.10	0.95	636,589.55	602,041.54	
10,263.00	88.72	86.88	8,079.57	4,540.17	173.60	2,432.24	2,438.09	1.19	636,595.30	602,134.34	
10,356.00	88.11	88.71	8,082.14	4,542.74	177.18	2,525.14	2,531.04	2.07	636,598.88	602,227.24	
10,450.00	87.93	88.66	8,085.39	4,545.99	179.34	2,619.06	2,624.93	0.20	636,601.04	602,321.16	
10,574.00	88.55	88.12	8,089.20	4,549.80	182.82	2,742.95	2,748.83	0.66	636,604.52	602,445.05	
10,697.00	88.46	89.15	8,092.41	4,553.01	185.75	2,865.87	2,871.73	0.84	636,607.45	602,567.97	
10,822.00	88.02	88.68	8,096.25	4,556.85	188.11	2,990.79	2,996.59	0.51	636,609.81	602,692.89	
10,947.00	88.11	84.77	8,100.47	4,561.07	195.25	3,115.49	3,121.50	3.13	636,616.95	602,817.59	
11,008.00	88.37	85.21	8,102.34	4,562.94	200.57	3,176.22	3,182.43	0.84	636,622.27	602,878.32	
11,133.00	88.46	85.40	8,105.80	4,566.40	210.80	3,300.76	3,307.34	0.17	636,632.50	603,002.86	
11,256.00	88.81	85.85	8,108.73	4,569.33	220.18	3,423.36	3,430.27	0.46	636,641.88	603,125.46	
11,383.00	87.93	85.86	8,112.34	4,572.94	229.36	3,549.98	3,557.20	0.69	636,651.06	603,252.08	
11,511.00	87.23	86.31	8,117.75	4,578.35	238.09	3,677.57	3,685.07	0.65	636,659.79	603,379.67	
11,604.00	89.34	86.03	8,120.53	4,581.13	244.30	3,770.31	3,778.02	2.29	636,666.00	603,472.41	
11,698.00	91.63	87.39	8,119.74	4,580.34	249.69	3,864.14	3,872.01	2.83	636,671.39	603,566.24	
11,793.00	92.33	87.84	8,116.45	4,577.05	253.64	3,959.00	3,966.94	0.88	636,675.34	603,661.10	
11,920.00	91.89	88.35	8,111.78	4,572.38	257.86	4,085.85	4,093.83	0.53	636,679.56	603,787.95	
12,048.00	91.98	88.57	8,107.46	4,568.06	261.30	4,213.73	4,221.70	0.19	636,683.00	603,915.83	
12,142.00	91.89	88.32	8,104.28	4,564.88	263.85	4,307.64	4,315.62	0.28	636,685.55	604,009.74	
12,220.00	91.89	88.32	8,101.71	4,562.31	266.14	4,385.56	4,393.55	0.00	636,687.84	604,087.66	

Projection to Bit @12220.00'

Pathfinder Energy Services

Pathfinder X & Y Survey Report

Company: EOG Resources, Inc.
Project: Eddy County
Site: Sand Tank 18 Fed Com #3H
Well: Sand Tank #3H
Wellbore: OH
Design: OH

Local Co-ordinate Reference: Well Sand Tank #3H
TVD Reference: WELL @ 3539.40ft (McVay 4 RKB= 18')
MD Reference: WELL @ 3539.40ft (McVay 4 RKB= 18')
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: EDM 2003.16 Single User Db

Targets

Target Name	Dip Angle	Dip Dir.	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
- hit/miss target	(°)	(°)	(ft)	(ft)	(ft)	(ft)	(ft)		
- Shape									
PBHL(Sand Tank #3H)	0.00	0.00	8,268.00	240.90	4,409.20	636,662.600	604,111.300	32° 44' 59.359 N	103° 59' 40.923 W
- survey misses by 169.85ft at 12220.00ft MD (8101.71 TVD, 266.14 N, 4385.56 E)									
- Point									

Survey Annotations

Measured Depth	Vertical Depth	Local Coordinates		Comment
(ft)	(ft)	+N/-S	+E/-W	
(ft)	(ft)	(ft)	(ft)	
12,220.00	8,101.71	266.14	4,385.56	Projection to Bit @12220.00'

Checked By: _____ Approved By: _____ Date: _____