

Submit 3 Copies To Appropriate District
Office
District I
1625 N. French Dr., Hobbs, NM 87240
District II
1301 W. Grand Ave., 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

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

Form C-103
May 27, 2004

SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)		WELL API NO. 30-015-35611
1. Type of Well: Oil Well ☐ Gas Well ☒ Other		5. Indicate Type of Lease STATE ☐ FEE ☒
2. Name of Operator EOG Resources Inc.		6. State Oil & Gas Lease No.
3. Address of Operator P.O. Box 2267 Midland, Texas 79702		7. Lease Name or Unit Agreement Name: Seine B 6 Fee
4. Well Location Unit Letter H : 2910 feet from the South line and 255 feet from the East line Section 6 Township 16S Range 25E NMPM County Eddy		8. Well Number 1H
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3521' GR		9. OGRID Number 7377
Pit or Below-grade Tank Application ☐ or Closure ☐ Pit type _____ Depth to Groundwater _____ Distance from nearest fresh water well _____ Distance from nearest surface water _____ Pit Liner Thickness: _____ mil Below-Grade Tank: Volume _____ bbls; Construction Material _____		10. Pool name or Wildcat Cottonwood Creek; WC, West (Gas)

12. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data	
NOTICE OF INTENTION TO: PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐ TEMPORARILY ABANDON ☐ CHANGE PLANS ☐ PULL OR ALTER CASING ☐ MULTIPLE COMPLETION ☐ OTHER: ☐	SUBSEQUENT REPORT OF: REMEDIAL WORK ☐ ALTERING CASING ☐ COMMENCE DRILLING OPNS. ☐ PLUG AND ABANDONMENT ☐ CASING TEST AND CEMENT JOB ☐ OTHER: completion ☒

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

9/01/08 TD at 8622' MD
9/02/08 Ran 176 jts 5-1/2", 17 #, N-80 casing set at 7455'. Unable to go lower with casing.
Cemented w/ 650 sx 50/50 POZ C, 11.8 ppg, 2.29 yield; 750 sx 50/50 POZ C, 14.2 ppg, 1.30 yield.
Circulated 150 sx to surface. Released rig.
9/13/08 MIRU - prep for completion. RIH w/ bit to clean out hole.
9/17/08 Finish cleaning out hole. Prep for frac.
9/20/08 Frac w/ 74 bbls 15% DI HCL acid, 214 bbls Dilute acid, 273 bbls 15 # Linear gel, 76410 lbs
100 mesh sand, 78370 lbs 30/70 sand, 16290 lbs 20/40 sand, 6194 bbls load water.

I hereby certify that the information above is true and complete to the best of my knowledge and belief. I further certify that any pit or below-grade tank has been/will be constructed or closed according to NMOCD guidelines ☐ , a general permit ☐ or an (attached) alternative OCD-approved plan ☐

SIGNATURE Stan Wagner TITLE Regulatory Analyst DATE 9/29/08

Type or print name **Stan Wagner**

E-mail address:

Telephone No. **432-686-3689**

For State Use Only

APPROVED BY _____ TITLE Accepted for record DATE _____
NMOCD

Conditions of Approval, if any:

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Form C-103
May 27, 2004

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

WELL API NO. 30-015-35611
5. Indicate Type of Lease STATE ☐ FEE ☒
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name: Seine B 6 Fee
8. Well Number 1H
9. OGRID Number 7377
10. Pool name or Wildcat Cottonwood Creek; WC, West (Gas)

11. Elevation (Show whether DR, RKB, RT, GR, etc.)
3521' GR

Pit or Below-grade Tank Application ☐ or Closure ☐

Pit type _____ Depth to Groundwater _____ Distance from nearest fresh water well _____ Distance from nearest surface water _____

Pit Liner Thickness: _____ mil Below-Grade Tank: Volume _____ bbls; Construction Material _____

SUNDRY NOTICES AND REPORTS ON WELLS
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

1. Type of Well: Oil Well ☐ Gas Well ☒ Other
2. Name of Operator EOG Resources Inc.
3. Address of Operator P.O. Box 2267 Midland, Texas 79702
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NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐
TEMPORARILY ABANDON ☐ CHANGE PLANS ☐
PULL OR ALTER CASING ☐ MULTIPLE COMPLETION ☐

OTHER: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐
COMMENCE DRILLING OPNS. ☐ PLUG AND ABANDONMENT ☐
CASING TEST AND CEMENT JOB ☐

OTHER: **completion** ☒

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9/20/08 Perforate 6765 - 7385', 0.42", 30 holes.

9/21/08 Frac w/ 70 bbls 15% DI HCL acid, 621 bbls Dilute acid, 482 bbls 15 # Linear gel, 79000 lbs 100 mesh sand, 75000 lbs 30/70 sand, 30000 lbs 20/40 sand, 7174 bbls load water.

Perforate 5990 - 6610', 0.42", 30 holes.

Frac w/ 71 bbls 15% DI HCL acid, 242 bbls Dilute acid, 580 bbls 15 # Linear gel, 79000 lbs 100 mesh sand, 75000 lbs 30/70 sand, 38000 lbs 20/40 sand, 7118 bbls load water.

Perforate 5200 - 5835', 0.42", 30 holes.

I hereby certify that the information above is true and complete to the best of my knowledge and belief. I further certify that any pit or below-grade tank has been/will be constructed or closed according to NMOCD guidelines ☐ , a general permit ☐ or an (attached) alternative OCD-approved plan ☐

SIGNATURE Stan Wagner TITLE Regulatory Analyst DATE 9/29/08

Type or print name **Stan Wagner**

E-mail address:

Telephone No. **432-686-3689**

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WELL API NO. 30-015-35611
5. Indicate Type of Lease STATE ☐ FEE ☒
6. State Oil & Gas Lease No.

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1. Type of Well: Oil Well ☐ Gas Well ☒ Other	7. Lease Name or Unit Agreement Name: Seine B 6 Fee
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3. Address of Operator P.O. Box 2267 Midland, Texas 79702	9. OGRID Number 7377
4. Well Location Unit Letter H : 2910 feet from the South line and 255 feet from the East line Section 6 Township 16S Range 25E NMPM County Eddy	10. Pool name or Wildcat Cottonwood Creek; WC, West (Gas)

11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3521' GR

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Pit type _____ Depth to Groundwater _____ Distance from nearest fresh water well _____ Distance from nearest surface water _____
Pit Liner Thickness: _____ mil Below-Grade Tank: Volume _____ bbls; Construction Material _____

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OTHER: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐
COMMENCE DRILLING OPNS. ☐ PLUG AND ABANDONMENT ☐
CASING TEST AND CEMENT JOB ☐

OTHER: **completion** ☒

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9/21/08 Frac w/ 70 bbls 15% DI HCL acid, 278 bbls Dilute acid, 580 bbls 15 # Linear gel, 79000 lbs 100 mesh sand, 75000 lbs 30/70 sand, 38000 lbs 20/40 sand, 8557 bbls load water.
Flowback.
9/24/08 RIH w/ 2-7/8" production tubing set at 5359'. Flowback.
9/27/08 Turned to sales.

I hereby certify that the information above is true and complete to the best of my knowledge and belief. I further certify that any pit or below-grade tank has been/will be constructed or closed according to NMOCD guidelines ☐ , a general permit ☐ or an (attached) alternative OCD-approved plan ☐

SIGNATURE Stan Wagner TITLE Regulatory Analyst DATE 9/30/08

Type or print name **Stan Wagner**

E-mail address:

Telephone No. **432-686-3689**

For State Use Only

Accepted for record
NMOCD

APPROVED BY _____ TITLE _____ DATE _____

Conditions of Approval, if any:

Outrun Survey
for
E.O.G. RESOURCES

[illegible]

The Horizontal Displacement (in Feet) at
Measured Depth 3736.00 is 50.10 in a Direction of 145.90 Degrees



EOG Resources, Inc.

Eddy County

Seine B 6 Fee #1H

Seine B 6 Fee #1H

OH

Survey: MWD #1

Pathfinder X & Y Survey Report

02 September, 2008

PATHFINDER
ENERGY SERVICES



Project: Eddy County
 Site: Seine B 6 Fee #1H
 Well: Seine B 6 Fee #1H
 Wellbore: OH
 Plan: Plan #1 (Seine B 6 Fee #1H/OH)

PATHFINDER
 ENERGY SERVICES

WELL DETAILS: Seine B 6 Fee #1H

Ground Elevation:: 3521.00
 RKB Elevation: WELL @ 3540.00ft (Original Well Elev)
 Rig Name: Original Well Elev

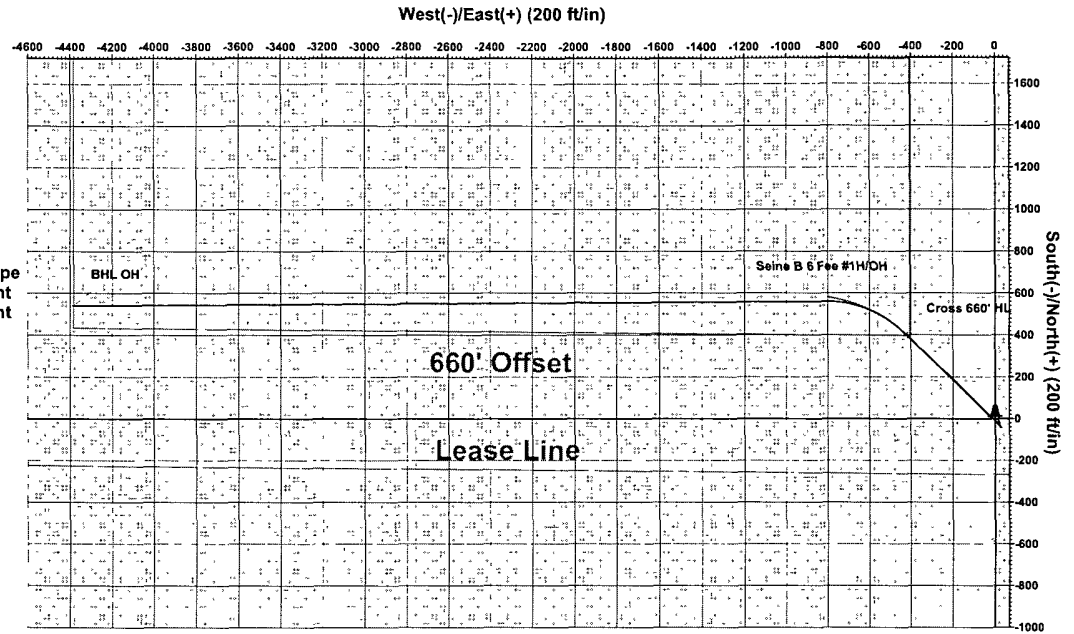
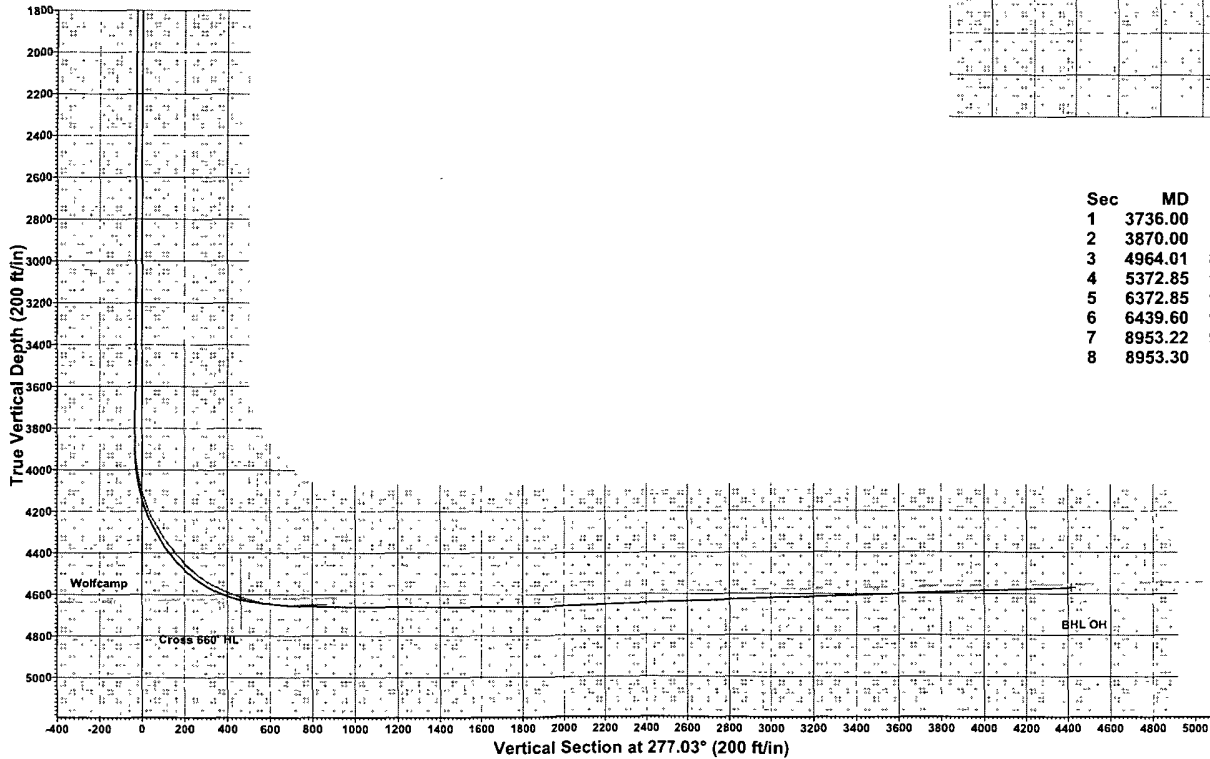
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
0.00	0.00	710403.300	443807.700	32° 57' 10.215 N	104° 30' 59.477 W

WELLBORE TARGET DETAILS (MAP CO-ORDINATES)

Name	TVD	+N/-S	+E/-W	Northing	Easting	Shape
BHL OH	4571.00	540.50	-4383.11	710943.800	439424.590	Point
Cross 660' HL	4626.01	395.20	-416.97	710798.500	443390.730	Point

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



SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	3736.00	0.96	112.32	3735.43	-41.48	28.08	0.00	0.00	-32.95	
2	3870.00	0.96	112.32	3869.41	-42.34	30.16	0.00	0.00	-35.12	
3	4964.01	82.00	314.00	4630.00	412.76	-435.15	7.58	-158.37	482.40	
4	5372.85	90.00	269.69	4660.00	559.87	-804.26	10.98	-81.89	866.73	
5	6372.85	90.00	269.69	4660.00	554.46	-1804.24	0.00	0.00	1858.54	
6	6439.60	92.00	269.69	4658.84	554.10	-1870.98	3.00	0.00	1924.73	
7	8953.22	92.00	269.69	4571.11	540.51	-4383.03	0.00	0.00	4416.23	
8	8953.30	92.00	269.69	4571.11	540.51	-4383.11	0.00	0.00	4416.31	



Azimuths to Grid North
 True North: 0.10°
 Magnetic North: 8.50°

Magnetic Field
 Strength: 49250.5nT
 Dip Angle: 60.77°
 Date: 2008/08/26
 Model: IGRF200510

Plan: Plan #1 (Seine B 6 Fee #1H/OH)	
Created By: Nate Bingham	Date: 8/31, August 29 2008
Checked: _____	Date: _____



Pathfinder Energy Services
Pathfinder X & Y Survey Report



Company:	EOG Resources, Inc.	Local Co-ordinate Reference:	Well Seine B 6 Fee #1H
Project:	Eddy County	TVD Reference:	WELL @ 3540.00ft (Original Well Elev)
Site:	Seine B 6 Fee #1H	MD Reference:	WELL @ 3540.00ft (Original Well Elev)
Well:	Seine B 6 Fee #1H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 2003.16 Single User Db

Project		Eddy County	
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		Seine B 6 Fee #1H			
Site Position:		Northing:		710,403.300 ft	
From:	Map	Easting:		443,807.700 ft	
Position Uncertainty:		Slot Radius:		"	
0.00 ft				Latitude: 32° 57' 10.215 N	
				Longitude: 104° 30' 59.477 W	
				Grid Convergence: -0.10 °	

Well	Seine B 6 Fee #1H					
Well Position	+N/-S	0.00 ft	Northing:	710,403.300 ft	Latitude:	32° 57' 10.215 N
	+E/-W	0.00 ft	Easting:	443,807.700 ft	Longitude:	104° 30' 59.477 W
Position Uncertainty		0.00 ft	Wellhead Elevation:	ft	Ground Level:	3,521.00 ft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF200510	2008/08/26	8.40	60.77	49,251

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	277.03



Pathfinder Energy Services
Pathfinder X & Y Survey Report



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Well:	Seine B 6 Fee #1H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 2003.16 Single User Db

Survey Program		Date 2008/09/02			
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
100.00	3,736.00	Gyro (OH)	MWD	MWD - Standard	
3,864.00	8,622.00	MWD #1 (OH)	MWD	MWD - Standard	

MD (ft)	Inc (°)	Azi (°)	TVD (ft)	TVDSS (ft)	N/S (ft)	E/W (ft)	V. Sec (ft)	DLeg (°/100ft)	Northing (ft)	Easting (ft)
3,736.00	0.96	112.32	3,735.43	195.43	-41.48	28.08	-32.95	0.00	710,361.82	443,835.78
3,864.00	0.44	0.28	3,863.42	323.42	-41.40	29.08	-33.93	0.93	710,361.90	443,836.78
3,895.00	3.17	323.85	3,894.41	354.41	-40.59	28.57	-33.33	9.12	710,362.71	443,836.27
3,926.00	6.24	322.27	3,925.30	385.30	-38.56	27.04	-31.55	9.91	710,364.74	443,834.74
3,957.00	9.23	322.63	3,956.01	416.01	-35.25	24.50	-28.63	9.65	710,368.05	443,832.20
3,987.00	11.87	320.71	3,985.50	445.50	-30.95	21.08	-24.71	8.88	710,372.35	443,828.78
4,018.00	13.63	316.53	4,015.74	475.74	-25.83	16.55	-19.59	6.41	710,377.47	443,824.25
4,049.00	15.30	312.66	4,045.75	505.75	-20.41	11.03	-13.44	6.22	710,382.89	443,818.73
4,080.00	17.50	313.85	4,075.49	535.49	-14.41	4.66	-6.39	7.18	710,388.89	443,812.36
4,111.00	19.79	316.08	4,104.86	564.86	-7.40	-2.34	1.42	7.74	710,395.90	443,805.36
4,142.00	22.51	317.56	4,133.77	593.77	0.76	-9.99	10.01	8.94	710,404.06	443,797.71
4,173.00	25.32	318.95	4,162.11	622.11	10.14	-18.35	19.45	9.24	710,413.44	443,789.35
4,203.00	27.96	319.30	4,188.92	648.92	20.31	-27.15	29.43	8.82	710,423.61	443,780.55
4,234.00	30.42	318.67	4,215.98	675.98	31.72	-37.07	40.68	8.00	710,435.02	443,770.63
4,265.00	32.80	317.44	4,242.38	702.38	43.80	-47.94	52.94	7.95	710,447.10	443,759.76
4,296.00	35.00	316.00	4,268.11	728.11	56.38	-59.79	66.24	7.55	710,459.68	443,747.91
4,327.00	37.11	314.87	4,293.17	753.17	69.37	-72.60	80.54	7.14	710,472.67	443,735.10
4,358.00	39.04	314.33	4,317.57	777.57	82.80	-86.21	95.70	6.32	710,486.10	443,721.49
4,389.00	41.33	313.98	4,341.25	801.25	96.73	-100.56	111.65	7.42	710,500.03	443,707.14
4,420.00	43.09	314.36	4,364.21	824.21	111.24	-115.50	128.25	5.74	710,514.54	443,692.20
4,451.00	44.93	314.12	4,386.51	846.51	126.27	-130.93	145.40	5.96	710,529.57	443,676.77



Pathfinder Energy Services
Pathfinder X & Y Survey Report



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Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	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)	
4,482.00	45.99	314.26	4,408.25	868.25	141.67	-146.77	163.01	3.43	710,544.97	443,660.93	
4,513.00	47.48	313.95	4,429.50	889.50	157.38	-162.98	181.02	4.86	710,560.68	443,644.72	
4,544.00	49.07	313.28	4,450.13	910.13	173.33	-179.73	199.60	5.38	710,576.63	443,627.97	
4,575.00	51.27	312.57	4,469.99	929.99	189.55	-197.17	218.88	7.31	710,592.85	443,610.53	
4,606.00	54.43	312.21	4,488.70	948.70	206.20	-215.42	239.03	10.24	710,609.50	443,592.28	
4,637.00	56.81	311.72	4,506.21	966.21	223.31	-234.44	260.01	7.79	710,626.61	443,573.26	
4,667.00	59.18	311.56	4,522.11	982.11	240.21	-253.45	280.94	7.91	710,643.51	443,554.25	
4,698.00	61.64	311.73	4,537.41	997.41	258.12	-273.59	303.13	7.95	710,661.42	443,534.11	
4,729.00	64.19	312.33	4,551.53	1,011.53	276.60	-294.09	325.73	8.40	710,679.90	443,513.61	
4,760.00	66.57	313.26	4,564.44	1,024.44	295.74	-314.77	348.60	8.15	710,699.04	443,492.93	
4,791.00	68.85	314.48	4,576.20	1,036.20	315.62	-335.44	371.55	8.21	710,718.92	443,472.26	
4,822.00	71.05	314.82	4,586.83	1,046.83	336.09	-356.16	394.61	7.17	710,739.39	443,451.54	
4,853.00	72.98	314.94	4,596.40	1,056.40	356.89	-377.05	417.89	6.24	710,760.19	443,430.65	
4,884.00	74.74	315.17	4,605.01	1,065.01	377.97	-398.08	441.35	5.72	710,781.27	443,409.62	
4,915.00	76.15	314.81	4,612.80	1,072.80	399.18	-419.30	465.01	4.69	710,802.48	443,388.40	
4,946.00	76.24	311.23	4,620.20	1,080.20	419.72	-441.31	489.36	11.22	710,823.02	443,366.39	
4,976.00	76.50	308.49	4,627.27	1,087.27	438.40	-463.69	513.86	8.92	710,841.70	443,344.01	
5,007.00	77.82	305.41	4,634.17	1,094.17	456.56	-487.84	540.05	10.58	710,859.86	443,319.86	
5,038.00	78.96	302.31	4,640.41	1,100.41	473.48	-513.05	567.14	10.46	710,876.78	443,294.65	
5,069.00	81.07	299.57	4,645.78	1,105.78	489.17	-539.24	595.05	11.05	710,892.47	443,268.46	
5,100.00	83.45	297.31	4,649.96	1,109.96	503.80	-566.24	623.65	10.54	710,907.10	443,241.46	
5,131.00	86.88	295.66	4,652.57	1,112.57	517.57	-593.89	652.77	12.27	710,920.87	443,213.81	
5,162.00	91.36	295.09	4,653.05	1,113.05	530.85	-621.89	682.18	14.57	710,934.15	443,185.81	
5,193.00	91.89	291.32	4,652.17	1,112.17	543.05	-650.36	711.94	12.28	710,946.35	443,157.34	
5,224.00	90.22	287.12	4,651.59	1,111.59	553.26	-679.62	742.22	14.58	710,956.56	443,128.08	
5,255.00	92.15	285.11	4,650.95	1,110.95	561.86	-709.39	772.82	8.99	710,965.16	443,098.31	
5,286.00	92.59	282.64	4,649.67	1,109.67	569.28	-739.46	803.57	8.09	710,972.58	443,068.24	



Pathfinder Energy Services
Pathfinder X & Y Survey Report



Company:	EOG Resources, Inc.	Local Co-ordinate Reference:	Well Seine B 6 Fee #1H
Project:	Eddy County	TVD Reference:	WELL @ 3540.00ft (Original Well Elev)
Site:	Seine B 6 Fee #1H	MD Reference:	WELL @ 3540.00ft (Original Well Elev)
Well:	Seine B 6 Fee #1H.	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	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)	
5,317.00	90.92	280.31	4,648.72	1,108.72	575.45	-769.82	834.46	9.24	710,978.75	443,037.88	
5,348.00	90.66	278.06	4,648.29	1,108.29	580.40	-800.42	865.44	7.31	710,983.70	443,007.28	
5,378.00	90.92	275.31	4,647.88	1,107.88	583.89	-830.21	895.43	9.21	710,987.19	442,977.49	
5,471.00	91.01	270.52	4,646.31	1,106.31	588.61	-923.05	988.15	5.15	710,991.91	442,884.65	
5,564.00	90.48	271.43	4,645.10	1,105.10	590.20	-1,016.03	1,080.62	1.13	710,993.50	442,791.67	
5,656.00	90.75	272.31	4,644.12	1,104.12	593.20	-1,107.97	1,172.24	1.00	710,996.50	442,699.73	
5,749.00	91.36	274.01	4,642.40	1,102.40	598.32	-1,200.81	1,265.01	1.94	711,001.62	442,606.89	
5,842.00	90.48	273.07	4,640.91	1,100.91	604.07	-1,293.62	1,357.83	1.38	711,007.37	442,514.08	
5,935.00	88.29	271.86	4,641.91	1,101.91	608.07	-1,386.52	1,450.52	2.69	711,011.37	442,421.18	
6,029.00	88.90	271.66	4,644.21	1,104.21	610.95	-1,480.45	1,544.09	0.68	711,014.25	442,327.25	
6,122.00	89.34	270.23	4,645.64	1,105.64	612.48	-1,573.42	1,636.55	1.61	711,015.78	442,234.28	
6,216.00	89.52	270.34	4,646.58	1,106.58	612.95	-1,667.42	1,729.90	0.22	711,016.25	442,140.28	
6,309.00	91.36	272.49	4,645.86	1,105.86	615.25	-1,760.38	1,822.44	3.04	711,018.55	442,047.32	
6,403.00	90.92	270.73	4,643.99	1,103.99	617.89	-1,854.32	1,916.00	1.93	711,021.19	441,953.38	
6,497.00	89.69	270.65	4,643.49	1,103.49	619.02	-1,948.31	2,009.42	1.31	711,022.32	441,859.39	
6,591.00	91.80	274.08	4,642.27	1,102.27	622.90	-2,042.20	2,103.08	4.28	711,026.20	441,765.50	
6,685.00	91.36	273.26	4,639.68	1,099.68	628.91	-2,135.97	2,196.88	0.99	711,032.21	441,671.73	
6,778.00	91.54	272.16	4,637.33	1,097.33	633.31	-2,228.83	2,289.59	1.20	711,036.61	441,578.87	
6,871.00	91.01	271.72	4,635.26	1,095.26	636.46	-2,321.76	2,382.20	0.74	711,039.76	441,485.94	
6,965.00	91.89	272.06	4,632.88	1,092.88	639.55	-2,415.67	2,475.79	1.00	711,042.85	441,392.03	
7,058.00	92.51	273.05	4,629.31	1,089.31	643.70	-2,508.51	2,568.44	1.26	711,047.00	441,299.19	
7,150.00	91.45	273.13	4,626.13	1,086.13	648.65	-2,600.32	2,660.16	1.16	711,051.95	441,207.38	
7,245.00	91.45	270.78	4,623.72	1,083.72	651.89	-2,695.23	2,754.75	2.47	711,055.19	441,112.47	
7,338.00	92.07	269.18	4,620.87	1,080.87	651.86	-2,788.18	2,847.00	1.84	711,055.16	441,019.52	
7,431.00	91.10	269.85	4,618.30	1,078.30	651.07	-2,881.14	2,939.17	1.27	711,054.37	440,926.56	
7,524.00	91.28	270.17	4,616.36	1,076.36	651.09	-2,974.12	3,031.45	0.39	711,054.39	440,833.58	
7,617.00	91.10	269.70	4,614.43	1,074.43	650.98	-3,067.10	3,123.72	0.54	711,054.28	440,740.60	



Pathfinder Energy Services Pathfinder X & Y Survey Report



Company: EOG Resources, Inc.
Project: Eddy County
Site: Seine B 6 Fee #1H
Well: Seine B 6 Fee #1H
Wellbore: OH
Design: OH

Local Co-ordinate Reference: Well Seine B 6 Fee #1H
TVD Reference: WELL @ 3540.00ft (Original Well Elev)
MD Reference: WELL @ 3540.00ft (Original Well Elev)
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)
7,711.00	90.75	269.21	4,612.91	1,072.91	650.09	-3,161.08	3,216.88	0.64	711,053.39	440,646.62
7,803.00	92.68	271.36	4,610.16	1,070.16	650.55	-3,253.03	3,308.20	3.14	711,053.85	440,554.67
7,897.00	91.01	271.29	4,607.14	1,067.14	652.72	-3,346.96	3,401.68	1.78	711,056.02	440,460.74
7,990.00	91.63	272.27	4,604.99	1,064.99	655.61	-3,439.88	3,494.26	1.25	711,058.91	440,367.82
8,084.00	92.51	275.64	4,601.60	1,061.60	662.08	-3,533.58	3,588.05	3.70	711,065.38	440,274.12
8,177.00	90.84	275.68	4,598.88	1,058.88	671.25	-3,626.09	3,680.98	1.80	711,074.55	440,181.61
8,271.00	88.99	274.47	4,599.02	1,059.02	679.57	-3,719.71	3,774.92	2.35	711,082.87	440,087.99
8,365.00	88.37	274.64	4,601.18	1,061.18	687.03	-3,813.39	3,868.81	0.68	711,090.33	439,994.31
8,457.00	87.23	273.94	4,604.71	1,064.71	693.91	-3,905.06	3,960.63	1.45	711,097.21	439,902.64
8,551.00	86.53	274.98	4,609.83	1,069.83	701.21	-3,998.64	4,054.40	1.33	711,104.51	439,809.06
8,622.00	86.53	274.98	4,614.13	1,074.13	707.36	-4,069.24	4,125.22	0.00	711,110.66	439,738.46

Projection to Bit @ 8622' MD

Company: EOG Resources, Inc.
Project: Eddy County
Site: Seine B 6 Fee #1H
Well: Seine B 6 Fee #1H
Wellbore: OH
Design: OH

Local Co-ordinate Reference: Well Seine B 6 Fee #1H
TVD Reference: WELL @ 3540.00ft (Original Well Elev)
MD Reference: WELL @ 3540.00ft (Original Well Elev)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: EDM 2003.16 Single User Db

Targets

Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
Cross 660' HL @395. - survey misses by 13.94ft at 4914.00ft MD (4612.56 TVD, 398.49 N, -418.61 E) - Point	0.00	360.00	4,626.01	395.20	-416.97	710,798.500	443,390.730	32° 57' 14.118 N	104° 31' 4.379 W
BHL OH - survey misses by 358.07ft at 8622.00ft MD (4614.13 TVD, 707.36 N, -4069.24 E) - Point	0.00	0.00	4,571.00	540.50	-4,383.11	710,943.800	439,424.590	32° 57' 15.485 N	104° 31' 50.929 W

Survey Annotations

Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
+N/-S (ft)	+E/-W (ft)			
8,622.00	4,614.13	707.36	-4,069.24	Projection to Bit @ 8622' MD

Checked By: _____ Approved By: _____ Date: _____