

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

Form C-103
May 27, 2004

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

S

WELL API NO. 30-015-35467
5. Indicate Type of Lease STATE ☐ FEE ☒
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name: Tiber A 5 Fee
8. Well Number 1H
9. OGRID Number 7377
10. Pool name or Wildcat Cottonwood Creek; Wolfcamp (Gas)

11. Elevation (Show whether DR, RKB, RT, GR, etc.)
3511 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	4. Well Location Unit Letter D : 377 feet from the North line and 351 feet from the West line Section 5 Township 16S Range 25E NMPM County Eddy
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3511 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 _____	

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

9/10/07 TD @ 8732' MD.

9/11/07 Ran 194 jts 5 1/2", 17 #, N-80 casing set @ 8450'.

Cemented w/ 515 sx Interfill C, 11.9 ppg, 2.38 yield; 1005 sx 50/50 POZ, 14.4 ppg, 1.24 yield.
Circulated 50 sx to surface. Released rig.

9/17/07 MIRU for completion. Step rate tested 5 1/2" casing to 7000 psi for 30 min. Test good.

Frac open hole w/ 72 bbls 15% HCL acid, 27318 lbs 100 mesh sand, 3622 lbs 20/40 sand, 1724 bbls load water.

Perforate from 7720' to 8375', 0.42", 32 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 9/26/07

Type or print name Stan Wagner

E-mail address:

Telephone No. 432 686 3689

For State Use Only

FOR RECORDS ONLY

APPROVED BY _____ TITLE _____ DATE _____

Conditions of Approval, if any:

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Energy, Minerals and Natural Resources

OIL CONSERVATION DIVISION
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Santa Fe, NM 87505



Form C-103
May 27, 2004

WELL API NO. 30-015-35467	
5. Indicate Type of Lease: STATE ☐ FEE ☒	
6. State Oil & Gas Lease No.	
7. Lease Name or Unit Agreement Name: Tiber A 5 Fee	
8. Well Number 1H	
9. OGRID Number 7377	
10. Pool name or Wildcat Cottonwood Creek; Wolfcamp (Gas)	
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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	
4. Well Location Unit Letter D : 377 feet from the North line and 351 feet from the West line Section 5 Township 16S Range 25E NMPM County Eddy	
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3511 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 _____	

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

9/17/07 Frac w/ 72 bbls 15% HCL acid, 1181 bbls XL gel, 79543 lbs 100 mesh sand, 73527 lbs 30/50 sand, 31540 lbs 20/40 sand, 6864 bbls load water.
Perforate from 6820' to 7495', 0.42", 32 holes.
Frac w/ 12000 gals 15% HCL acid, 767 bbls XL gel, 79362 lbs 100 mesh sand, 71757 lbs 30/50 sand, 6061 bbls load water.
9/18/07 Perforate from 5920' to 6595', 0.42", 32 holes.
Frac w/ 321 bbls 15% HCL acid, 1207 bbls XL gel, 78907 lbs 100 mesh sand, 81501 lbs 30/50 sand, 42744 lbs 20/40 sand, 6826 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 9/26/07

Type or print name Stan Wagner

E-mail address:

Telephone No. 432 686 3689

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WELL API NO. 30-015-35467
5. Indicate Type of Lease STATE ☐ FEE ☒
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name: Tiber A 5 Fee
8. Well Number 1H
9. OGRID Number 7377
10. Pool name or Wildcat Cottonwood Creek; Wolfcamp (Gas)

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1. Type of Well: Oil Well ☐ Gas Well ☒ Other	OCT 05 2007
2. Name of Operator EOG Resources Inc.	OCD-ARTESIA
3. Address of Operator P.O. Box 2267 Midland, Texas 79702	

4. Well Location Unit Letter D : 377 feet from the North line and 351 feet from the West line Section 5 Township 16S Range 25E NMPM County Eddy
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11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3511 GR
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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 _____

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TEMPORARILY ABANDON ☐	CHANGE PLANS ☐
PULL OR ALTER CASING ☐	MULTIPLE COMPLETION ☐

SUBSEQUENT REPORT OF:

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

OTHER: ☐	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.

9/18/07 Perforate from 5000' to 5695', 0.42", 32 holes.
Frac w/ 261 bbls 15% HCL acid, 1291 bbls XL gel, 72485 lbs 100 mesh sand, 55542 lbs 30/50 sand, 41278 lbs 20/40 sand, 6202 bbls load water.
Flow back.
9/19/07 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 NMOC guidelines ☐ , a general permit ☐ or an (attached) alternative OCD-approved plan ☐

SIGNATURE Stan Wagner TITLE Regulatory Analyst DATE 9/26/07

Type or print name Stan Wagner E-mail address: _____ Telephone No. 432 686 3689

For State Use Only **FOR RECORDS ONLY**

APPROVED BY _____ TITLE _____ DATE _____

Conditions of Approval, if any:

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°    S C I E N T I F I C      D R I L L I N G       C O N T R O L S     °
Eiiiiiiiiiiiiiiiiiiiii¼
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KEEPER GYRO SURVEY

Directional Survey Report

for

UAAA
3 EOG 3
AAU
3 3

Well Number	:	TIBER A 5 FEE #1H
Well Location	:	EDDY COUNTY NEW MEXICO
Job Number	:	32K0907766
Location Latitude	:	32.963
Survey Date	:	4-SEP-2007
S.D.C. Personnel	:	JOHNNY PENA
Length Units	:	Feet
North Reference	:	GRID North
Grid Correction	:	0.10 Degrees
Survey Depth Zero	:	RKB
Proposal Direction	:	96.93
Calculation Method	:	Minimum Curvature

Remarks : The OTRUN Survey will be called definitive

[illegible]

Outrun Survey

for
EOG

Page 1

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Well No.: TIBER A 5 FEE #1H                                     Date : 4-SEP-2007
Job No. : 32K0907766                                           GRID      Proposal : 96.93
  Depth  T.V.D.      V.S.    Inc  Azimuth  Latitude  Departure  D-leg
( Feet ) ( Feet )   ( Feet ) Deg.   Deg.    ( Feet ) ( Feet )
|||||

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0.00	0.00	0.00	0.00	0.10	0.00	0.00	0.00
------	------	------	------	------	------	------	------

100.00	100.00	-0.21	0.37	326.18	0.27	-0.18	0.37
200.00	199.99	-0.40	0.67	8.64	1.11	-0.27	0.47
300.00	299.98	-0.67	1.52	354.83	3.01	-0.30	0.88
400.00	399.95	-1.57	1.22	331.09	5.27	-0.94	0.64
500.00	499.93	-2.64	0.77	324.93	6.75	-1.84	0.46
600.00	599.93	-3.29	0.23	288.04	7.36	-2.42	0.60
700.00	699.92	-3.91	0.66	319.51	7.86	-2.98	0.48
800.00	799.91	-4.98	0.99	318.46	8.95	-3.93	0.33
900.00	899.90	-6.11	0.93	330.47	10.30	-4.90	0.21
1000.00	999.89	-6.94	0.81	336.96	11.65	-5.58	0.16
1100.00	1099.88	-7.47	0.72	350.40	12.92	-5.96	0.20
1200.00	1199.87	-7.83	1.01	355.03	14.42	-6.14	0.30
1300.00	1299.85	-7.92	1.02	13.43	16.17	-6.01	0.32
1400.00	1399.84	-7.75	0.85	11.54	17.76	-5.65	0.17
1500.00	1499.83	-7.26	0.82	44.46	19.00	-5.00	0.47
1600.00	1599.82	-6.50	0.58	47.40	19.85	-4.13	0.24
1700.00	1699.81	-5.58	0.83	60.55	20.55	-3.13	0.30
1800.00	1799.81	-4.74	0.42	51.60	21.13	-2.21	0.42
1900.00	1899.80	-4.06	0.65	54.78	21.69	-1.46	0.23
2000.00	1999.80	-3.28	0.60	50.84	22.34	-0.59	0.07
2100.00	2099.79	-2.71	0.38	45.19	22.91	0.05	0.23
2200.00	2199.79	-2.49	0.41	9.25	23.50	0.34	0.25
2300.00	2299.79	-2.40	0.40	19.00	24.18	0.52	0.07
2400.00	2399.78	-2.43	0.19	331.67	24.65	0.55	0.31
2500.00	2499.78	-2.42	0.17	48.99	24.90	0.58	0.23
2600.00	2599.78	-2.25	0.18	37.42	25.12	0.79	0.04
2700.00	2699.78	-2.13	0.32	14.69	25.52	0.96	0.17
2800.00	2799.78	-2.13	0.18	350.52	25.94	1.00	0.17
2900.00	2899.78	-2.37	0.26	309.44	26.24	0.80	0.17
3000.00	2999.78	-2.90	0.49	314.82	26.68	0.32	0.23
3100.00	3099.78	-3.47	0.41	325.21	27.28	-0.18	0.11
3200.00	3199.77	-3.92	0.34	322.81	27.81	-0.57	0.07
3300.00	3299.77	-4.31	0.29	321.02	28.24	-0.91	0.05
3400.00	3399.77	-4.57	0.20	340.12	28.60	-1.12	0.12
3500.00	3499.77	-4.52	0.27	40.57	28.95	-1.03	0.24
3600.00	3599.77	-4.03	0.48	66.29	29.29	-0.49	0.26
3700.00	3699.76	-3.15	0.78	55.54	29.85	0.45	0.32
3800.00	3799.75	-1.93	0.94	66.94	30.55	1.77	0.23
3900.00	3899.73	-0.47	1.07	60.99	31.33	3.34	0.17

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°       S C I E N T I F I C   D R I L L I N G   C O N T R O L S     °
Eiiiiiiiiiiiiiiiiiiiiiiiii¼

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Outrun Survey for EOG

Page 2

Well No.: TIBER A 5 FEE #1H

Date : 4-SEP-2007

Job No. : 32K0907766

GRID Proposal : 96.93

[illegible]

4000.00	3999.72	0.94	0.85	67.82	32.06	4.84	0.25
4100.00	4099.70	2.42	1.19	60.64	32.85	6.43	0.36

Page 2

Tiber A 5 Fee #1H Gyro.txt

4200.00	4199.68	4.16	1.23	64.14	33.83	8.30	0.08
4300.00	4299.66	5.97	1.27	61.47	34.83	10.24	0.07
4400.00	4399.63	7.84	1.49	55.46	36.09	12.29	0.26
4500.00	4499.60	9.74	1.48	52.80	37.61	14.39	0.07
4600.00	4599.56	11.54	1.34	54.81	39.06	16.37	0.15
4656.00	4655.55	12.54	1.43	54.96	39.84	17.48	0.16

The Horizontal Displacement (in Feet) at

Measured Depth 4656.00 is 43.51 in a Direction of 23.69 Degrees
 ~~~~~



***DIRECTIONAL SURVEY REPORT***

**EOG RESOURCES**

***TIBER A5 FEE NO. 1H***

***EDDY COUNTY, NEW MEXICO***

**PREPARED BY: FRANCISCO SINISTERRA**

Pathfinder Energy Services, Inc.  
6213 W. County Road 112 • Midland, TX • 79706  
(432)681-6000

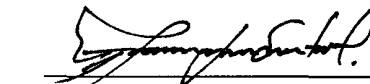
DIRECTIONAL SURVEY COMPANY REPORT:

1. NAME OF SURVEYING COMPANY: PATHFINDER ENERGY SERVICES
2. NAME OF PERSON(S) PERFORMING SURVEY:  
A) JUSTIN FALLIN
3. POSITION OF SAID PERSON(S): (A-F) SURVEYORS (FIELD ENGINEERS)
4. DATE(S) ON WHICH SURVEY WAS PERFORMED: 9/4/07 TO 9/10/07
5. STATE IN WHICH SURVEY WAS PERFORMED: NEW MEXICO
6. LOCATION OF WELL: EDDY COUNTY, NM
7. TYPE OF SURVEY(S) PERFORMED: MWD
8. COMPLETE IDENTIFICATION OF WELL:

EOG RESOURCES  
TIBER A5 FEE #1H  
EDDY COUNTY, NM  
RIG: MCVAY #4

9. SURVEY CERTIFIED FROM: 4048 TO 8654 FEET MEASURED DEPTH.

THIS IS TO VERIFY THAT ATTACHED DOCUMENTS SHOWING THE WELL TO BE DISPLACED AT 4199.85 FEET ON A BEARING OF 97.04 DEGREES FROM THE CENTER OF THE ROTARY TABLE AT A PROJECTED BIT DEPTH OF 8732 FEET, ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE.

  
\_\_\_\_\_  
Francisco Sinisterra  
M/LWD SERVICE COORDINATOR



**PATHFINDER**  
**ENERGY SERVICES**  
**DIRECTIONAL SURVEY INFORMATION**

FAXED SEP 12 2007

~~APPROVED~~ SEP 12 2007

APPROVED SEP 12 2007

Prepared By: FRANCISCO SINISTERRA

Name of Client: EOG Resources

Attention: \_\_\_\_\_

☐ Directional Only Job OR ☒ Logging Job

Name(s) of Persons Performing Surveys:

A) GERARDO DAVILA D) \_\_\_\_\_  
B) JUSTIN FALLIN E) \_\_\_\_\_  
C) \_\_\_\_\_ F) \_\_\_\_\_

Positions of Said Persons: Surveyors / Field Engineers: Other \_\_\_\_\_

Date(s) Survey was Performed: From 9/4/2007 To 9/10/2007

Type of Survey Performed: (Specify if other than MWD) GAMMA-RAY

**IDENTIFICATION OF WELL:**

|           |                                          |           |                        |
|-----------|------------------------------------------|-----------|------------------------|
| Client:   | <u>EOG Resources</u>                     | Rig Name: | <u>McVAY 4</u>         |
| Well No.: | <u>Cottonwood Creek TIBER A5 FEE #11</u> | API No.:  | <u>30-015-35467</u>    |
| Location: | <u>Eddy County</u>                       | Job No.:  | <u>101006724-WT-WT</u> |
| State:    | <u>New Mexico</u>                        |           |                        |

**TEXAS RAILROAD COMMISSION INFORMATION:**

Field: COTTONWOOD CREEK, WOLFCAMP (GAS)  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Abstract No.: \_\_\_\_\_  
Well Plat Survey Co.: TERRY J ASEL

Surveys Performed From 4048 Feet TO 8654 Feet

MMS / ASCII / LAS Diskette Filename: \_\_\_\_\_

THIS IS TO VERIFY THAT ATTACHED DOCUMENTS SHOW THE WELL TO BE DISPLACED AT 4199.85 FEET  
ON A BEARING OF 97.04 DEGREES FROM THE CENTER OF THE ROTARY TABLE AT PROJECTED DEPTH OF  
8732 FEET, ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE.

# PathFinder Energy Services, Inc.

## BHL Report

Page 01/01  
Tie-in Date: 09/12/2007  
Date Completed: 09/10/2007

EOG RESOURCES  
TIBER A5 FEE #1H  
EDDY COUNTY, NM  
Rig:McVAY 4  
PathFinder Office Supervisor: FRANCISCO SINISTERRA  
PathFinder Field Engineers:GERARDO DAVILA  
JUSTIN FALLIN

Survey Horiz. Reference:WELLHEAD  
Ref Coordinates: LAT:32.57.46.9156 N LON:104.30.52.4799 W  
GRID Reference:NAD27 new mexico east Transverse Mercator  
Ref GRID Coord: X: 444410.3000 Y: 714111.2000  
North Aligned To:GRID NORTH  
Total Magnetic Correction: 8.61° EAST TO GRID  
Vertical Section Plane: 96.93  
Survey Vert. Reference: 17.50' Kelly Bushing To Ground  
Altitude:3511.00' Ground To MSL

|                       |           |             |
|-----------------------|-----------|-------------|
| Measured Depth        | 8732.00   | (feet)      |
| Inclination           | 89.25     | (deg)       |
| Azimuth               | 88.85     | (deg)       |
| True Vertical Depth   | 4780.25   | (feet)      |
| Course Length         | 78.00     | (feet)      |
| Vertical Section      | 4199.84   | (feet)      |
| Rectangular Corr. N/S | 514.41 S  | (feet)      |
| Rectangular Corr. E/W | 4168.22 E | (feet)      |
| Closure Distance      | 4199.85   | (feet)      |
| Direction of Closure  | 97.04     | (deg)       |
| Dogleg Severity       | 0.00      | (deg/100ft) |

# PathFinder Energy Services, Inc.

## Survey Report

EOG RESOURCES  
TIBER A5 FEE #1H  
EDDY COUNTY, NM  
Rig:McVAY 4

PathFinder Office Supervisor: FRANCISCO SINISTERRA  
PathFinder Field Engineers: GERARDO DAVILA  
JUSTIN FALLIN

Page 01/03  
Tie-in Date: 09/12/2007  
Date Completed: 09/10/2007

Survey Horiz. Reference:WELLHEAD  
Ref Coordinates: LAT:32.57.46.9156 N LON:104.30.52.4799 W  
Reference:NAD27 new mexico east Transverse Mercator  
Ref GRID Coord: X: 444410.3000 Y: 714111.2000  
North Aligned To:GRID NORTH  
Total Magnetic Correction: 8.61° EAST TO GRID  
Vertical Section Plane: 96.93  
Survey Vert. Reference: 17.50' Kelly Bushing To Ground  
Altitude:3511.00' Ground To MSL

Survey Calculations by RX5 V5.11D using Minimum Curvature

| Measured<br>Depth<br>(ft)                                      | Incl<br>(deg) | Drift<br>Dir.<br>(deg) | TVD<br>(ft) | Course<br>Length<br>(ft) | Vertical<br>Section<br>(ft) | TOTAL<br>Retangular Offsets<br>(ft) | Closure<br>Dist Dir<br>(ft) (deg) | DLS<br>(dg/100ft) |
|----------------------------------------------------------------|---------------|------------------------|-------------|--------------------------|-----------------------------|-------------------------------------|-----------------------------------|-------------------|
| TIE-IN TO SCIENTIFIC DRILLING CONTROLS GYRO SURVEY @ 4000' MD. |               |                        |             |                          |                             |                                     |                                   |                   |
| 4000.00                                                        | 0.85          | 67.82                  | 3999.72     | 0.00                     | 0.94                        | 32.06 N 4.84 E                      | 32.42@ 8.58                       | 0.00              |
| THE FOLLOWING ARE PATHFINDER MWD SURVEYS.                      |               |                        |             |                          |                             |                                     |                                   |                   |
| 4048.00                                                        | 1.23          | 77.61                  | 4047.71     | 48.00                    | 1.73                        | 32.30 N 5.67 E                      | 32.80@ 9.96                       | 0.87              |
| 4079.00                                                        | 2.55          | 113.99                 | 4078.70     | 31.00                    | 2.71                        | 32.10 N 6.63 E                      | 32.77@ 11.67                      | 5.55              |
| 4111.00                                                        | 5.98          | 133.86                 | 4110.60     | 32.00                    | 4.72                        | 30.65 N 8.48 E                      | 31.80@ 15.47                      | 11.52             |
| 4143.00                                                        | 10.20         | 139.92                 | 4142.28     | 32.00                    | 8.13                        | 27.33 N 11.51 E                     | 29.65@ 22.84                      | 13.44             |
| 4174.00                                                        | 14.07         | 141.68                 | 4172.58     | 31.00                    | 12.81                       | 22.27 N 15.61 E                     | 27.20@ 35.04                      | 12.54             |
| 4206.00                                                        | 18.03         | 141.06                 | 4203.33     | 32.00                    | 19.13                       | 15.36 N 21.14 E                     | 26.13@ 54.00                      | 12.39             |
| 4238.00                                                        | 21.37         | 139.04                 | 4233.45     | 32.00                    | 27.01                       | 7.10 N 28.08 E                      | 28.96@ 75.80                      | 10.65             |
| 4270.00                                                        | 24.45         | 139.13                 | 4262.92     | 32.00                    | 36.25                       | 2.31 S 36.23 E                      | 36.31@ 93.65                      | 9.63              |
| 4301.00                                                        | 27.35         | 140.01                 | 4290.81     | 31.00                    | 46.20                       | 12.62 S 45.01 E                     | 46.75@ 105.66                     | 9.44              |
| 4333.00                                                        | 30.42         | 138.78                 | 4318.82     | 32.00                    | 57.61                       | 24.35 S 55.08 E                     | 60.22@ 113.85                     | 9.77              |
| 4365.00                                                        | 33.59         | 136.84                 | 4345.95     | 32.00                    | 70.44                       | 36.90 S 66.47 E                     | 76.03@ 119.04                     | 10.41             |
| 4397.00                                                        | 35.96         | 135.09                 | 4372.24     | 32.00                    | 84.62                       | 50.01 S 79.16 E                     | 93.64@ 122.28                     | 8.04              |
| 4428.00                                                        | 38.43         | 133.59                 | 4396.93     | 31.00                    | 99.51                       | 63.10 S 92.57 E                     | 112.03@ 124.28                    | 8.49              |
| 4460.00                                                        | 41.06         | 134.03                 | 4421.53     | 32.00                    | 115.87                      | 77.27 S 107.33 E                    | 132.25@ 125.75                    | 8.27              |
| 4492.00                                                        | 43.53         | 135.35                 | 4445.20     | 32.00                    | 132.89                      | 92.42 S 122.63 E                    | 153.56@ 127.00                    | 8.20              |
| 4524.00                                                        | 46.34         | 136.23                 | 4467.85     | 32.00                    | 150.48                      | 108.62 S 138.39 E                   | 175.92@ 128.13                    | 8.99              |
| 4555.00                                                        | 49.24         | 136.32                 | 4488.68     | 31.00                    | 168.24                      | 125.21 S 154.26 E                   | 198.68@ 129.07                    | 9.36              |
| 4587.00                                                        | 52.14         | 135.44                 | 4508.95     | 32.00                    | 187.49                      | 142.98 S 171.49 E                   | 223.28@ 129.82                    | 9.31              |
| 4619.00                                                        | 55.05         | 134.47                 | 4527.94     | 32.00                    | 207.78                      | 161.17 S 189.72 E                   | 248.94@ 130.35                    | 9.41              |
| 4651.00                                                        | 58.30         | 133.86                 | 4545.52     | 32.00                    | 229.07                      | 179.80 S 208.90 E                   | 275.62@ 130.72                    | 10.28             |
| 4682.00                                                        | 61.20         | 132.80                 | 4561.13     | 31.00                    | 250.62                      | 198.17 S 228.38 E                   | 302.37@ 130.95                    | 9.81              |

# PathFinder Energy Services, Inc.

## Survey Report

EOG RESOURCES  
TIBER A5 FEE #1H  
EDDY COUNTY, NM  
RIG:McVAY 4

Page 02/03

| Measured<br>Depth<br>(ft) | Incl<br>(deg) | Drift<br>Dir.<br>(deg) | TVD<br>(ft) | Course<br>Length<br>(ft) | Vertical<br>Section<br>(ft) | TOTAL<br>Retangular Offsets<br>(ft) (ft) |           | Closure<br>Dist Dir<br>(ft) (deg) |        | DLS<br>(dg/100ft) |
|---------------------------|---------------|------------------------|-------------|--------------------------|-----------------------------|------------------------------------------|-----------|-----------------------------------|--------|-------------------|
| 4714.00                   | 64.02         | 131.31                 | 4575.85     | 32.00                    | 273.86                      | 217.19 S                                 | 249.48 E  | 330.77@                           | 131.04 | 9.73              |
| 4746.00                   | 66.65         | 130.25                 | 4589.21     | 32.00                    | 298.01                      | 236.18 S                                 | 271.50 E  | 359.85@                           | 131.02 | 8.75              |
| 4778.00                   | 69.64         | 130.08                 | 4601.12     | 32.00                    | 322.85                      | 255.34 S                                 | 294.19 E  | 389.54@                           | 130.96 | 9.36              |
| 4809.00                   | 72.55         | 129.81                 | 4611.16     | 31.00                    | 347.44                      | 274.16 S                                 | 316.67 E  | 418.86@                           | 130.88 | 9.42              |
| 4841.00                   | 76.41         | 129.73                 | 4619.72     | 32.00                    | 373.34                      | 293.88 S                                 | 340.37 E  | 449.69@                           | 130.81 | 12.07             |
| 4873.00                   | 80.64         | 129.90                 | 4626.09     | 32.00                    | 399.67                      | 313.96 S                                 | 364.45 E  | 481.03@                           | 130.74 | 13.23             |
| 4905.00                   | 84.24         | 130.34                 | 4630.29     | 32.00                    | 426.21                      | 334.40 S                                 | 388.70 E  | 512.75@                           | 130.71 | 11.33             |
| 4937.00                   | 85.03         | 128.67                 | 4633.29     | 32.00                    | 453.06                      | 354.66 S                                 | 413.28 E  | 544.60@                           | 130.63 | 5.75              |
| 4969.00                   | 85.74         | 125.95                 | 4635.86     | 32.00                    | 480.57                      | 373.99 S                                 | 438.65 E  | 576.44@                           | 130.45 | 8.76              |
| 5000.00                   | 86.09         | 123.22                 | 4638.07     | 31.00                    | 507.96                      | 391.54 S                                 | 464.11 E  | 607.21@                           | 130.15 | 8.86              |
| 5032.00                   | 86.35         | 120.59                 | 4640.18     | 32.00                    | 536.90                      | 408.42 S                                 | 491.21 E  | 638.82@                           | 129.74 | 8.24              |
| 5064.00                   | 86.97         | 117.95                 | 4642.05     | 32.00                    | 566.45                      | 424.04 S                                 | 519.07 E  | 670.26@                           | 129.25 | 8.46              |
| 5096.00                   | 86.97         | 115.40                 | 4643.74     | 32.00                    | 596.52                      | 438.38 S                                 | 547.63 E  | 701.48@                           | 128.68 | 7.96              |
| 5128.00                   | 88.29         | 112.94                 | 4645.06     | 32.00                    | 627.05                      | 451.47 S                                 | 576.79 E  | 732.47@                           | 128.05 | 8.72              |
| 5159.00                   | 89.43         | 110.57                 | 4645.68     | 31.00                    | 657.01                      | 462.96 S                                 | 605.58 E  | 762.27@                           | 127.40 | 8.48              |
| 5191.00                   | 89.08         | 108.10                 | 4646.09     | 32.00                    | 688.26                      | 473.55 S                                 | 635.77 E  | 792.75@                           | 126.68 | 7.80              |
| 5223.00                   | 89.69         | 106.20                 | 4646.44     | 32.00                    | 719.75                      | 482.98 S                                 | 666.34 E  | 822.97@                           | 125.94 | 6.24              |
| 5255.00                   | 87.58         | 103.41                 | 4647.20     | 32.00                    | 751.43                      | 491.16 S                                 | 697.27 E  | 852.89@                           | 125.16 | 10.93             |
| 5286.00                   | 87.76         | 101.09                 | 4648.46     | 31.00                    | 782.27                      | 497.73 S                                 | 727.53 E  | 881.50@                           | 124.38 | 7.50              |
| 5318.00                   | 86.70         | 98.62                  | 4650.01     | 32.00                    | 814.19                      | 503.20 S                                 | 759.02 E  | 910.67@                           | 123.54 | 8.39              |
| 5350.00                   | 86.79         | 95.70                  | 4651.82     | 32.00                    | 846.13                      | 507.18 S                                 | 790.72 E  | 939.40@                           | 122.68 | 9.11              |
| 5444.00                   | 88.81         | 89.09                  | 4655.44     | 94.00                    | 939.71                      | 511.10 S                                 | 884.51 E  | 1021.56@                          | 120.02 | 7.35              |
| 5538.00                   | 88.20         | 88.88                  | 4657.89     | 94.00                    | 1032.78                     | 509.44 S                                 | 978.46 E  | 1103.14@                          | 117.50 | 0.69              |
| 5632.00                   | 89.08         | 88.94                  | 4660.12     | 94.00                    | 1125.83                     | 507.65 S                                 | 1072.42 E | 1186.50@                          | 115.33 | 0.94              |
| 5724.00                   | 88.02         | 89.08                  | 4662.45     | 92.00                    | 1216.92                     | 506.06 S                                 | 1164.37 E | 1269.59@                          | 113.49 | 1.16              |
| 5817.00                   | 87.93         | 89.28                  | 4665.73     | 93.00                    | 1309.02                     | 504.73 S                                 | 1257.30 E | 1354.83@                          | 111.87 | 0.24              |
| 5910.00                   | 88.02         | 89.67                  | 4669.02     | 93.00                    | 1401.17                     | 503.88 S                                 | 1350.24 E | 1441.20@                          | 110.46 | 0.43              |

# PathFinder Energy Services, Inc.

## Survey Report

EOG RESOURCES  
TIBER A5 FEE #1H  
EDDY COUNTY, NM  
RIG:McVAY 4

Page 03/03

| Measured<br>Depth<br>(ft)     | Incl<br>(deg) | Drift<br>Dir.<br>(deg) | TVD<br>(ft) | Course<br>Length<br>(ft) | Vertical<br>Section<br>(ft) | TOTAL<br>Retangular Offsets<br>(ft) (ft) |           | Closure<br>Dist Dir<br>(ft) (deg) |        | DLS<br>(dg/100ft) |
|-------------------------------|---------------|------------------------|-------------|--------------------------|-----------------------------|------------------------------------------|-----------|-----------------------------------|--------|-------------------|
| 6004.00                       | 88.20         | 89.50                  | 4672.12     | 94.00                    | 1494.35                     | 503.20 S                                 | 1444.19 E | 1529.34@                          | 109.21 | 0.26              |
| 6097.00                       | 87.32         | 88.86                  | 4675.76     | 93.00                    | 1586.43                     | 501.87 S                                 | 1537.11 E | 1616.96@                          | 108.08 | 1.17              |
| 6191.00                       | 87.58         | 88.72                  | 4679.94     | 94.00                    | 1679.39                     | 499.88 S                                 | 1630.99 E | 1705.88@                          | 107.04 | 0.31              |
| 6284.00                       | 87.76         | 89.57                  | 4683.72     | 93.00                    | 1771.46                     | 498.50 S                                 | 1723.90 E | 1794.53@                          | 106.13 | 0.93              |
| 6377.00                       | 86.53         | 89.92                  | 4688.35     | 93.00                    | 1863.61                     | 498.08 S                                 | 1816.79 E | 1883.83@                          | 105.33 | 1.37              |
| 6470.00                       | 88.72         | 89.88                  | 4692.20     | 93.00                    | 1955.83                     | 497.92 S                                 | 1909.70 E | 1973.55@                          | 104.61 | 2.36              |
| 6563.00                       | 87.85         | 89.77                  | 4694.99     | 93.00                    | 2048.07                     | 497.64 S                                 | 2002.66 E | 2063.56@                          | 103.95 | 0.94              |
| 6687.00                       | 88.11         | 89.62                  | 4699.36     | 124.00                   | 2171.01                     | 496.98 S                                 | 2126.58 E | 2183.88@                          | 103.15 | 0.24              |
| 6810.00                       | 87.76         | 90.27                  | 4703.79     | 123.00                   | 2293.01                     | 496.86 S                                 | 2249.50 E | 2303.72@                          | 102.46 | 0.60              |
| 6903.00                       | 87.76         | 90.64                  | 4707.43     | 93.00                    | 2385.35                     | 497.60 S                                 | 2342.42 E | 2394.69@                          | 101.99 | 0.40              |
| 6998.00                       | 88.46         | 90.06                  | 4710.56     | 95.00                    | 2479.67                     | 498.18 S                                 | 2437.37 E | 2487.76@                          | 101.55 | 0.96              |
| 7123.00                       | 88.37         | 90.76                  | 4714.02     | 125.00                   | 2603.81                     | 499.07 S                                 | 2562.32 E | 2610.47@                          | 101.02 | 0.56              |
| 7278.00                       | 85.03         | 91.93                  | 4722.94     | 155.00                   | 2757.80                     | 502.70 S                                 | 2716.99 E | 2763.11@                          | 100.48 | 2.28              |
| 7372.00                       | 84.94         | 91.65                  | 4731.16     | 94.00                    | 2851.06                     | 505.63 S                                 | 2810.59 E | 2855.71@                          | 100.20 | 0.31              |
| 7465.00                       | 84.94         | 91.30                  | 4739.36     | 93.00                    | 2943.28                     | 508.01 S                                 | 2903.19 E | 2947.31@                          | 99.93  | 0.38              |
| 7591.00                       | 85.21         | 91.04                  | 4750.17     | 126.00                   | 3068.18                     | 510.57 S                                 | 3028.70 E | 3071.44@                          | 99.57  | 0.30              |
| 7715.00                       | 84.50         | 90.56                  | 4761.30     | 124.00                   | 3190.97                     | 512.30 S                                 | 3152.19 E | 3193.55@                          | 99.23  | 0.69              |
| 7839.00                       | 84.86         | 90.15                  | 4772.79     | 124.00                   | 3313.63                     | 513.06 S                                 | 3275.65 E | 3315.59@                          | 98.90  | 0.44              |
| 7964.00                       | 88.20         | 90.46                  | 4780.36     | 125.00                   | 3437.55                     | 513.73 S                                 | 3400.40 E | 3438.99@                          | 98.59  | 2.68              |
| 8089.00                       | 91.54         | 91.23                  | 4780.64     | 125.00                   | 3561.82                     | 515.57 S                                 | 3525.37 E | 3562.87@                          | 98.32  | 2.74              |
| 8215.00                       | 91.63         | 90.84                  | 4777.16     | 126.00                   | 3687.11                     | 517.85 S                                 | 3651.30 E | 3687.84@                          | 98.07  | 0.32              |
| 8341.00                       | 88.99         | 90.26                  | 4776.47     | 126.00                   | 3812.31                     | 519.06 S                                 | 3777.28 E | 3812.78@                          | 97.82  | 2.14              |
| 8495.00                       | 89.87         | 89.33                  | 4778.01     | 154.00                   | 3965.11                     | 518.51 S                                 | 3931.27 E | 3965.32@                          | 97.51  | 0.83              |
| 8654.00                       | 89.25         | 88.85                  | 4779.23     | 159.00                   | 4122.62                     | 515.98 S                                 | 4090.25 E | 4122.66@                          | 97.19  | 0.49              |
| PROJECTION TO BIT @ 8732' MD. |               |                        |             |                          |                             |                                          |           |                                   |        |                   |
| 8732.00                       | 89.25         | 88.85                  | 4780.25     | 78.00                    | 4199.84                     | 514.41 S                                 | 4168.22 E | 4199.85@                          | 97.04  | 0.00              |

District I  
1625 N. Hobbs, NM 88240  
District  
1301 Avenue, Artesia, NM 88210  
District  
1000 Brazos, Aztec, NM 87410  
District  
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

Month-Year  
MAR-7 2007  
OCD - ARTESIA, NM

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<br>30-015-35467 | Pool Code<br>75250                   | Pool Name<br>COTTONWOOD CREEK; Wolfcamp (Gas) |
| Property Code<br>36362     | Property Name<br>TIBER "A" 5 FEE     | Well Number<br>1H                             |
| OGRID No.<br>7377          | Operator Name<br>EOG RESOURCES, INC. | Elevation<br>3511'                            |

### Surface Location

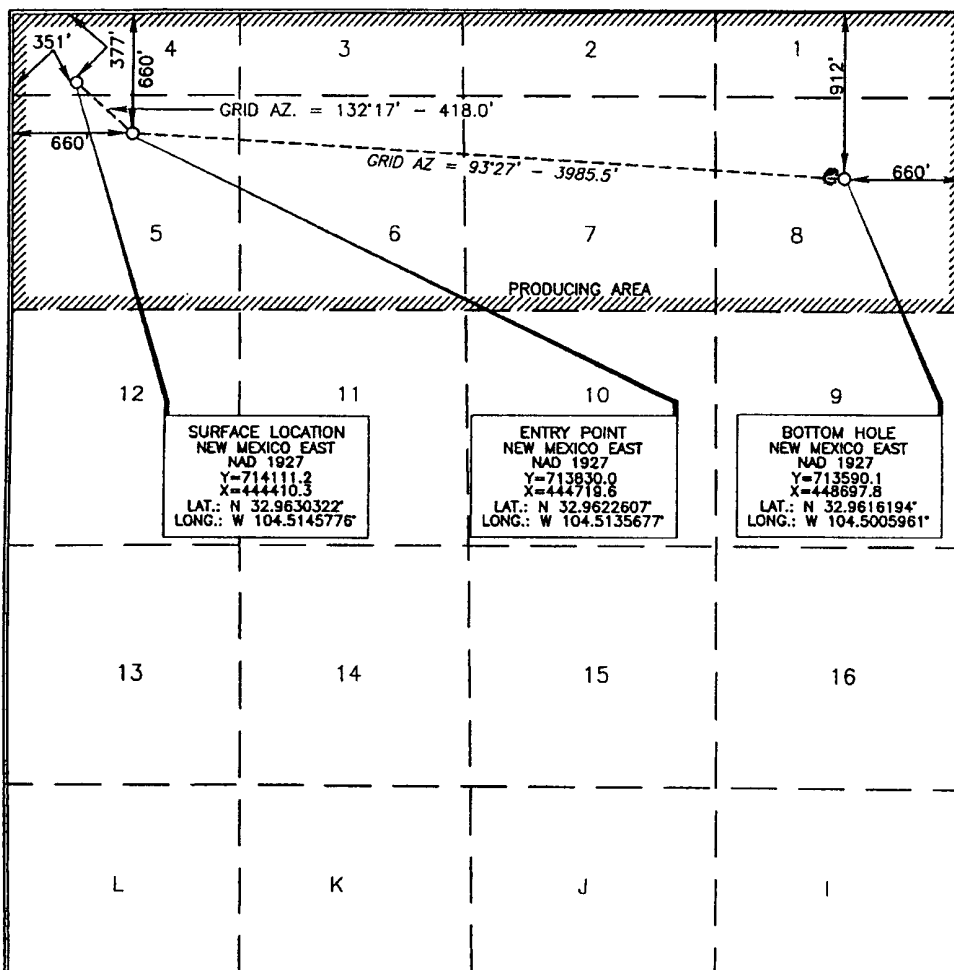
| UL or lot no. | Section | Township | Range             | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County |
|---------------|---------|----------|-------------------|---------|---------------|------------------|---------------|----------------|--------|
| 4             | 5       | 16 SOUTH | 25 EAST, N.M.P.M. |         | 377'          | NORTH            | 351'          | 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 |
|---------------|---------|----------|-------------------|---------|---------------|------------------|---------------|----------------|--------|
| 8             | 5       | 16 SOUTH | 25 EAST, N.M.P.M. |         | 891           | NORTH            | 729           | EAST           | EDDY   |

| Dedicated Acres | Joint or Infill | Consolidation Code | Order No. |
|-----------------|-----------------|--------------------|-----------|
| 222.0           |                 |                    |           |

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.

*Donny G. Glanton* 3/5/07  
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 or actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

JANUARY 30, 2007  
Date of Survey

Signature and Seal of Professional Surveyor

*Terry G. Carl* 2/20/07  
Certificate Number 15079

WOF 070116WL (JL)