

Submit 3 Copies To Appropriate District
Office
District I
1625 N. French Dr., Hobbs, NM 87240
District II
1301 W. Grand Ave., Artesia, NM 87210
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

WELL API NO. 30-015-35382
5. Indicate Type of Lease STATE ☐ FEE ☒
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name: Meramec B 4 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.)
3470' 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 A : 2517 feet from the North line and 660 feet from the East line Section 4 Township 16S Range 25E NMPM County Eddy
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3470' 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:

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.

5/04/07 MIRU for completion. Step rate tested 5 1/2" casing to 6800 psi for 30 min. Test good.
5/05/07 Perforated from 7653' to 8300', 0.48", 30 holes.
5/07/07 Frac w/ 72 bbls 15% HCL acid, 476 bbls XL gel, 102477 lbs 30/70 sand, 47724 lbs 16/30 sand, 5122 bbls load water.
5/08/07 Perforated from 6025' to 6480', 0.54", 30 holes.
Frac w/ 76 bbls 15% HCL acid, 541 bbls XL gel, 67500 lbs 30/70 sand, 22500 lbs 16/30 sand, 4471 bbls load water.
5/09/07 Perforated from 6900' to 7410', 0.54", 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 5/14/07

Type or print name Stan Wagner

E-mail address:

Telephone No. 432 686-3689

For State Use Only

FOR RECORDS ONLY

MAY 24 2007

APPROVED BY _____ TITLE _____ DATE _____

Conditions of Approval, if any:

Submit 3 Copies To Appropriate District
Office
District I
1625 N. French Dr., Hobbs, NM 87240
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1301 W. Grand Ave., Artesia, NM 88210
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1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources

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

Form C-103
May 27, 2004

WELL API NO.

30-015-35382

5. Indicate Type of Lease

STATE ☐ FEE ☒

6. State Oil & Gas Lease No.

7. Lease Name or Unit Agreement Name:

Meramec B 4 Fee

8. Well Number

1H

9. OGRID Number

7377

10. Pool name or Wildcat

Cottonwood Creek; Wolfcamp (Gas)

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 A : 2517 feet from the North line and 660 feet from the East line

Section 4 Township 16S Range 25E NMPM County Eddy

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

3470' 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:

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.

5/09/07 Frac w/ 72 bbls 15% HCL acid, 433 bbls XL gel, 90000 lbs 30/70 sand, 36000 lbs 16/30 sand, 4553 bbls load water.

Perforated from 5000' to 5800', 0.54", 30 holes.

Frac w/ 75 bbls 15% HCL acid, 592 bbls XL gel, 70833 lbs 30/70 sand, 22500 lbs 16/30 sand, 4956 bbls load water.

5/10/07 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 NMOCD guidelines ☐ , a general permit ☐ or an (attached) alternative OCD-approved plan ☐

SIGNATURE Stan Wagner TITLE Regulatory Analyst DATE 5/14/07

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 MAY 24 2007

Conditions of Approval, if any:

MD (ft)	Inc (°)	Azi (°)	TVD (ft)	N/S (ft)	E/W (ft)	V.Sec (ft)
0	0	0	0	0	0	0
70	0.3	131	70	-0.12	0.14	-0.14
258	0.2	257	258	-0.52	0.19	-0.19
499	0.8	205	498.99	-2.14	-0.93	0.93
737	0.6	297	736.98	-3.08	-2.74	2.74
951	1.2	343	950.95	-0.42	-4.4	4.4
1010	1.2	344	1009.94	0.76	-4.75	4.75
1138	0.8	6	1137.92	2.94	-5.02	5.02
1234	0.5	347	1233.91	4.01	-5.05	5.05
1329	0.6	322	1328.91	4.81	-5.45	5.45
1425	0.5	296	1424.91	5.39	-6.13	6.13
1520	0.7	337	1519.9	6.1	-6.73	6.73
1616	0.5	33	1615.9	6.99	-6.73	6.73
1711	0.4	337	1710.89	7.65	-6.64	6.64
1806	0.7	313	1805.89	8.35	-7.19	7.19
1901	1.2	324	1900.88	9.55	-8.2	8.2
1997	0.5	311	1996.86	10.64	-9.11	9.1
2093	0.5	295	2092.86	11.09	-9.8	9.8
2188	0.5	313	2187.86	11.55	-10.48	10.48
2283	0.2	10	2282.86	11.99	-10.76	10.75
2379	0.3	276	2378.86	12.18	-10.98	10.97
2474	0.4	19	2473.85	12.52	-11.12	11.11
2570	0.2	301	2569.85	12.93	-11.15	11.15
2664	0.4	295	2663.85	13.15	-11.59	11.59
2760	0.1	279	2759.85	13.3	-11.98	11.97
2855	0.6	308	2854.85	13.62	-12.45	12.45
2951	0.2	262	2950.85	13.91	-13.01	13.01
3046	0.2	27	3045.85	14.03	-13.1	13.1
3142	0.5	318	3141.84	14.49	-13.3	13.3
3238	0.2	10	3237.84	14.97	-13.56	13.55
3334	0.4	354	3333.84	15.47	-13.56	13.56
3429	0.5	9	3428.84	16.21	-13.53	13.53
3524	0.5	96	3523.84	16.57	-13.05	13.05
3619	0.9	86	3618.83	16.58	-11.9	11.89
3714	1.3	56	3713.81	17.24	-10.26	10.26
3810	1.6	83	3809.78	18.01	-8.03	8.02
3905	1.1	57	3904.76	18.67	-5.95	5.94
4000	1.3	78	3999.74	19.39	-4.13	4.12
4096	1.1	64	4095.72	20.02	-2.23	2.23
4210	2.3	61	4209.66	21.61	0.75	-0.76

DIRECTIONAL SURVEY REPORT**EOG RESOURCES TRINIDAD LIMITED*****MERAMEC B4 FEE 1H******EDDY COUNTY, NEW MEXICO*****PREPARED BY: FRANCISCO SINISTERRA**



PathFinder Energy Services, Inc.

3201 E. Loop 250 North Midland, TX 79705 Phone: 432-687-1647 Fax: 432-687-1544

May 3, 2007

EOG RESOURCES
4000 N Big Spring
Suite 500
Midland, TX 79705

RE: EOG RESOURCES TRINIDAD LIMITED
MERAMEC B4 FEE 1H
EDDY COUNTY, NM
RIG: MCVAY #8
PES FILE NO.: 101006331-WT-WT

To whom it may concern:

We hereby certify that the enclosed Original Field Survey Data contained in this report represents to the best of our knowledge, a true and accurate survey of the well at the time the survey was run.

DIRECTIONAL SURVEY DATA
1 – Original survey report
2 – Survey report copies

We appreciate the opportunity to work with you and we look forward to your business support. If you have any questions, I can be reached at (432) 687-1647

Sincerely,

A handwritten signature in black ink, appearing to read "Francisco Sinisterra".

Francisco Sinisterra
M/LWD Service Coordinator
PathFinder Energy Services

ML:sh

Pathfinder Energy Service, Inc.

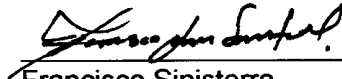
DIRECTIONAL SURVEY COMPANY REPORT:

1. NAME OF SURVEYING COMPANY: PATHFINDER ENERGY SERVICES
2. NAME OF PERSON(S) PERFORMING SURVEY:
A) Wesley Teeter
3. POSITION OF SAID PERSON(S): (A-F) SURVEYORS (FIELD ENGINEERS)
4. DATE(S) ON WHICH SURVEY WAS PERFORMED: 04/20/07 TO 4/27/07
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 TRINIDAD LIMITED
MERAMEC B4 FEE 1H
EDDY COUNTY, NM
RIG: MCVAY #8

9. SURVEY CERTIFIED FROM: 4246 TO 8358 FEET MEASURED DEPTH.

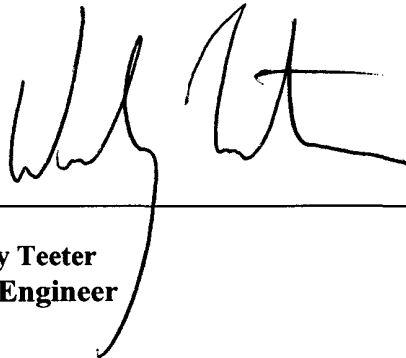
THIS IS TO VERIFY THAT ATTACHED DOCUMENTS SHOWING THE WELL TO BE
DISPLACED AT 3881.72 FEET ON A BEARING OF 268.39 DEGREES FROM THE
CENTER OF THE ROTARY TABLE AT A PROJECTED BIT DEPTH OF 8,430 FEET,
ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE.



Francisco Sinisterra
M/LWD SERVICE COORDINATOR

STATE OF TEXAS
COUNTY OF MIDLAND

I, **Wesley Teeter** certify that; I am employed by PATHFINDER ENERGY SERVICES; that I did on the day(s) of **4/20/07** through **4/27/07** conduct or supervise the taking of a **Measurement While Drilling** survey from a depth of **4,246 feet** to a depth of **8,358 feet**; that the data is true, correct, complete and within the limitations of the tool as set forth by PATHFINDER ENERGY SERVICES; that I am authorized and qualified to make this report; that this survey was conducted at the request of **EOG RESOURCES** for the **Meramec B4 Fee 1H** Well API No. **30-015-35382** in **Eddy County, New Mexico**; and that I have reviewed this report and find that it conforms to the principles and procedures as set forth by PATHFINDER ENERGY SERVICES.



Wesley Teeter
Field Engineer

PathFinder Energy Services, Inc.

BHL Report

Page 01/01
Tie-in Date:
Date Completed: 04/27/2007

EOG RESOURCES, INC.
MERAMEC B4 FEE #1H
County,
Rig:
PathFinder Office Supervisor:
PathFinder Field Engineers:

Survey Horiz. Reference:WELLHEAD
Ref Coordinates: LAT:32.57.26.0604 N LON:104.29.0.3300 W
GRID Reference:NAD27 new mexico east Transverse Mercator
Ref GRID Coord: X: 453962.2015 Y: 711988.5614
North Aligned To:GRID NORTH
Total Magnetic Correction: 8.62° EAST TO GRID
Vertical Section Plane: 269.52
Survey Vert. Reference: 0.00' Kelly Bushing To MSL

Measured Depth	8430.00	(feet)
Inclination	89.25	(deg)
Azimuth	271.72	(deg)
True Vertical Depth	4690.40	(feet)
Vertical Section	3880.96	(feet)
Survey X cord	450081.90	(feet)
Survey Y cord	711879.29	(feet)
Survey Lat	32.95692281 N	(deg)
Survey Lon	104.49607489 W	(deg)
Rectangular Corr. N/S	109.29 S	(feet)
Rectangular Corr. E/W	3880.18 W	(feet)
Closure Distance	3881.72	(feet)
Direction of Closure	268.39	(deg)
Dogleg Severity	0.00	(deg/100ft)

PathFinder Energy Services, Inc.

Survey Report

Page 01/04
Tie-in Date:
Date Completed: 04/27/2007

EOG RESOURCES, INC.
MERAMEC B4 FEE #1H
County,
Rig:
PathFinder Office Supervisor:
PathFinder Field Engineers:

Survey Horiz. Reference: WELLHEAD
Ref Coordinates: LAT: 32.57.26.0604 N LON: 104.29.0.3300 W
Reference: NAD27 new mexico east Transverse Mercator
Ref GRID Coord: X: 453962.2015 Y: 711988.5614
North Aligned To: GRID NORTH
Total Magnetic Correction: 8.62° EAST TO GRID
Vertical Section Plane: 269.52
Survey Vert. Reference: 0.00' Kelly Bushing To MSL

Survey Calculations by RX5 V5.11D using Minimum Curvature

Measured Depth (ft)	Incl (deg)	Drift Dir. (deg)	TVD (ft)	Course Length (ft)	Vertical Section (ft)	TOTAL Retangular Offsets (ft) (ft)		Closure Dist Dir (ft) (deg)		DLS (dg/100ft)
TIE IN SURVEY @ 4210' MD.										
4210.00	2.30	61.00	4209.66	0.00	-0.93	21.61 N	0.75 E	21.62@	1.99	0.00
THE FOLLOWING ARE PATHFINDER MWD SURVEYS.										
4246.00	2.55	65.57	4245.63	36.00	-2.30	22.29 N	2.11 E	22.39@	5.41	0.88
4277.00	1.14	33.05	4276.61	31.00	-3.10	22.84 N	2.91 E	23.02@	7.26	5.49
4309.00	3.34	285.56	4308.59	32.00	-2.38	23.35 N	2.18 E	23.45@	5.34	12.00
4341.00	7.65	275.63	4340.44	32.00	0.64	23.81 N	0.84 W	23.83@	357.99	13.74
4373.00	12.05	273.17	4371.96	32.00	6.09	24.21 N	6.29 W	25.01@	345.42	13.81
4405.00	16.36	271.94	4402.97	32.00	13.93	24.54 N	14.14 W	28.32@	330.06	13.50
4437.00	20.49	269.65	4433.33	32.00	24.04	24.66 N	24.25 W	34.58@	315.49	13.10
4469.00	24.45	269.74	4462.89	32.00	36.27	24.60 N	36.47 W	43.99@	303.99	12.37
4500.00	28.31	270.89	4490.66	31.00	50.04	24.68 N	50.24 W	55.98@	296.16	12.56
4532.00	32.27	270.89	4518.29	32.00	66.17	24.93 N	66.38 W	70.91@	290.59	12.37
4564.00	36.23	271.41	4544.73	32.00	84.17	25.30 N	84.38 W	88.09@	286.69	12.41
4596.00	40.19	270.71	4569.87	32.00	103.95	25.66 N	104.17 W	107.28@	283.84	12.45
4628.00	43.88	269.04	4593.63	32.00	125.37	25.60 N	125.59 W	128.17@	281.52	12.05
4660.00	47.48	267.63	4615.99	32.00	148.25	24.93 N	148.47 W	150.55@	279.53	11.68
4692.00	51.53	267.37	4636.76	32.00	172.57	23.86 N	172.78 W	174.42@	277.86	12.67
4723.00	55.57	267.63	4655.18	31.00	197.48	22.78 N	197.68 W	198.99@	276.57	13.05
4755.00	59.97	268.60	4672.24	32.00	224.54	21.89 N	224.73 W	225.79@	275.56	13.99
4787.00	64.19	269.22	4687.22	32.00	252.81	21.36 N	252.99 W	253.89@	274.83	13.30
4819.00	68.15	268.86	4700.15	32.00	282.07	20.87 N	282.26 W	283.03@	274.23	12.42
4851.00	70.43	268.86	4711.46	32.00	312.00	20.27 N	312.18 W	312.84@	273.72	7.13
4883.00	72.63	269.13	4721.60	32.00	342.35	19.74 N	342.52 W	343.09@	273.30	6.92
4915.00	75.01	269.13	4730.52	32.00	373.08	19.27 N	373.25 W	373.75@	272.96	7.44

PathFinder Energy Services, Inc.

Survey Report

EOG RESOURCES, INC.
MERAMEC B4 FEE #1H
County,
RIG:

Page 02/04

Measured Depth (ft)	Incl (deg)	Drift Dir. (deg)	TVD (ft)	Course Length (ft)	Vertical Section (ft)	TOTAL Retangular Offsets (ft) (ft)		Closure Dist Dir (ft) (deg)		DLS (dg/100ft)
4946.00	78.26	268.60	4737.68	31.00	403.23	18.68 N	403.40 W	403.83@	272.65	10.61
4978.00	80.99	268.07	4743.44	32.00	434.70	17.76 N	434.86 W	435.22@	272.34	8.68
5010.00	83.27	267.81	4747.83	32.00	466.38	16.62 N	466.54 W	466.83@	272.04	7.17
5042.00	84.77	267.72	4751.16	32.00	498.19	15.38 N	498.34 W	498.58@	271.77	4.70
5074.00	87.85	267.90	4753.22	32.00	530.11	14.16 N	530.25 W	530.43@	271.53	9.64
5106.00	88.37	267.72	4754.27	32.00	562.08	12.94 N	562.20 W	562.35@	271.32	1.72
5138.00	88.29	267.63	4755.21	32.00	594.05	11.64 N	594.16 W	594.28@	271.12	0.38
5169.00	89.52	268.60	4755.80	31.00	625.03	10.62 N	625.14 W	625.23@	270.97	5.05
5201.00	92.15	270.18	4755.33	32.00	657.02	10.28 N	657.13 W	657.21@	270.90	9.59
5232.00	92.77	270.45	4754.00	31.00	687.99	10.45 N	688.10 W	688.18@	270.87	2.18
5264.00	92.95	270.36	4752.40	32.00	719.95	10.68 N	720.06 W	720.14@	270.85	0.63
5296.00	91.89	269.92	4751.05	32.00	751.92	10.75 N	752.03 W	752.11@	270.82	3.59
5328.00	90.84	268.78	4750.29	32.00	783.91	10.39 N	784.02 W	784.09@	270.76	4.84
5360.00	89.78	268.25	4750.12	32.00	815.90	9.56 N	816.01 W	816.07@	270.67	3.70
5392.00	89.08	269.04	4750.44	32.00	847.89	8.80 N	848.00 W	848.04@	270.59	3.30
5424.00	89.87	269.22	4750.73	32.00	879.89	8.32 N	879.99 W	880.03@	270.54	2.53
5487.00	90.31	269.39	4750.63	63.00	942.89	7.55 N	942.99 W	943.02@	270.46	0.75
5550.00	88.29	268.25	4751.40	63.00	1005.88	6.26 N	1005.97 W	1005.99@	270.36	3.88
5581.00	87.05	269.15	4752.66	31.00	1036.85	5.55 N	1036.93 W	1036.95@	270.31	4.94
5643.00	86.70	269.00	4756.04	62.00	1098.75	4.56 N	1098.83 W	1098.84@	270.24	0.61
5735.00	88.20	268.00	4760.13	92.00	1190.64	2.15 N	1190.70 W	1190.71@	270.10	1.96
5828.00	89.52	268.30	4761.98	93.00	1283.60	0.85 S	1283.64 W	1283.64@	269.96	1.45
5890.00	91.19	268.99	4761.60	62.00	1345.59	2.32 S	1345.61 W	1345.62@	269.90	2.91
5951.00	92.24	269.85	4759.77	61.00	1406.56	2.94 S	1406.58 W	1406.59@	269.88	2.22
6012.00	91.80	268.96	4757.62	61.00	1467.52	3.57 S	1467.54 W	1467.54@	269.86	1.63
6073.00	91.10	268.35	4756.08	61.00	1528.49	5.00 S	1528.50 W	1528.51@	269.81	1.52
6134.00	91.89	269.03	4754.49	61.00	1589.46	6.39 S	1589.47 W	1589.48@	269.77	1.71
6195.00	90.82	267.80	4753.05	61.00	1650.43	8.08 S	1650.42 W	1650.44@	269.72	2.67
6257.00	90.92	267.42	4752.11	62.00	1712.39	10.67 S	1712.36 W	1712.40@	269.64	0.63
6319.00	91.71	266.77	4750.68	62.00	1774.32	13.81 S	1774.27 W	1774.32@	269.55	1.65

PathFinder Energy Services, Inc.

Survey Report

EOG RESOURCES, INC.
MERAMEC B4 FEE #1H
County,
RIG:

Page 03/04

Measured Depth (ft)	Incl (deg)	Drift Dir. (deg)	TVD (ft)	Course Length (ft)	Vertical Section (ft)	TOTAL Retangular Offsets (ft) (ft)		Closure Dist Dir (ft) (deg)		DLS (dg/100ft)
6381.00	91.54	267.41	4748.92	62.00	1836.24	16.95 S	1836.16 W	1836.24@	269.47	1.07
6443.00	90.75	266.63	4747.68	62.00	1898.17	20.18 S	1898.06 W	1898.17@	269.39	1.79
6507.00	89.08	265.56	4747.78	64.00	1962.05	24.54 S	1961.91 W	1962.06@	269.28	3.10
6603.00	91.28	267.32	4747.48	96.00	2057.90	30.50 S	2057.72 W	2057.94@	269.15	2.93
6667.00	91.01	267.00	4746.20	64.00	2121.83	33.67 S	2121.62 W	2121.89@	269.09	0.65
6731.00	90.40	266.07	4745.41	64.00	2185.74	37.53 S	2185.50 W	2185.82@	269.02	1.74
6795.00	92.33	266.15	4743.89	64.00	2249.60	41.87 S	2249.33 W	2249.72@	268.93	3.02
6858.00	91.71	266.08	4741.67	63.00	2312.45	46.14 S	2312.15 W	2312.61@	268.86	0.99
6922.00	92.51	266.12	4739.31	64.00	2376.30	50.49 S	2375.96 W	2376.49@	268.78	1.25
6986.00	92.24	265.89	4736.66	64.00	2440.12	54.95 S	2439.75 W	2440.36@	268.71	0.55
7047.00	92.07	265.75	4734.36	61.00	2500.95	59.39 S	2500.54 W	2501.25@	268.64	0.36
7112.00	93.21	266.00	4731.37	65.00	2565.75	64.06 S	2565.30 W	2566.10@	268.57	1.80
7176.00	93.47	265.92	4727.64	64.00	2629.52	68.56 S	2629.04 W	2629.93@	268.51	0.42
7272.00	93.03	265.50	4722.20	96.00	2725.15	75.73 S	2724.61 W	2725.66@	268.41	0.63
7304.00	93.65	265.51	4720.34	32.00	2757.02	78.23 S	2756.46 W	2757.57@	268.37	1.94
7400.00	94.35	265.41	4713.64	96.00	2852.54	85.81 S	2851.92 W	2853.21@	268.28	0.74
7496.00	94.00	266.58	4706.65	96.00	2948.10	92.50 S	2947.43 W	2948.88@	268.20	1.27
7590.00	94.09	266.07	4700.02	94.00	3041.72	98.51 S	3041.01 W	3042.80@	268.14	0.55
7686.00	93.56	267.52	4693.61	96.00	3137.40	103.87 S	3136.64 W	3138.36@	268.10	1.60
7718.00	93.03	268.08	4691.77	32.00	3169.33	106.09 S	3168.56 W	3170.31@	268.10	2.41
7782.00	91.71	268.03	4689.13	64.00	3233.26	107.26 S	3232.47 W	3234.25@	268.10	2.06
7878.00	89.16	267.17	4688.40	96.00	3329.19	111.28 S	3328.37 W	3330.23@	268.09	2.80
7975.00	90.31	268.28	4688.85	97.00	3426.14	115.13 S	3425.29 W	3427.23@	268.07	1.65
8070.00	90.22	270.10	4688.41	95.00	3521.13	116.48 S	3520.28 W	3522.21@	268.10	1.92
8166.00	89.60	270.71	4688.56	96.00	3617.12	115.80 S	3616.28 W	3618.13@	268.17	0.91
8262.00	90.04	271.38	4688.86	96.00	3713.08	114.05 S	3712.26 W	3714.01@	268.24	0.83
8358.00	89.25	271.72	4689.46	96.00	3809.02	111.45 S	3808.22 W	3809.85@	268.32	0.90
STRAIGHT LINE PROJECTION TO BIT @ 8430' MD (4689' TVD).										
8430.00	89.25	271.72	4690.40	72.00	3880.96	109.29 S	3880.18 W	3881.72@	268.39	0.00

PathFinder Energy Services, Inc.

Magnetic & Grid Calculations

EOG RESOURCES, INC.
MERAMEC B4 FEE # 1H
EDDY Co., NM

Thu Apr 19 11:30:20 2007

Coordinates

Latitude: 32.957239 N (32 deg. 57 min. 26.0608 sec.)
Longitude: 104.483425 W (-104 deg. 29 min. 0.3312 sec.)
Elevation: 3470.00 feet.
Calculation Date: Apr/19/2007

Magnetic Calculations

Model: IGRF2005
Dip Angle: 60.8123 degrees
Total Magnetic Field: 0.49388 gauss
Magnetic Declination: 8.542480 degrees
Horizontal Intensity: 0.240853 gauss

To Convert a Magnetic Dir. to a TRUE North Dir. Add 8.542480 Degr

Transverse Mercator Grid Calculations NAD27

Grid System: Transverse Mercator: new mexico east
Ellipsoid: Clarke 1866
X: 453962.1000 feet
Y: 711988.6000 feet
True to Grid: (convergence) 0.081652 degrees
Magnetic to Grid: 8.624132 degrees

To Convert a Magnetic Dir. to a GRID dir. Add 8.624132 Degr.



ENERGY SERVICES

TIE-IN SURVEY INFORMATION SHEET

CLIENT INFORMATION

CLIENT:	EOG Resources Trinidad Limited		
LEASE / WELL No.:	Meramec B4 Fee # / -H	1H	
WELL LOCATION:	Eddy County New Mexico		
COUNTY / STATE / COUNTRY:	Eddy	NM	USA
RIG:	McVay #8		
API WELL No:	30-015-35382		
JOB No:	101006331-WT-WT		
P.O. / AFE No.	103458		
DIRECTIONAL COMPANY:	Pathfinder Energy Services		

WELL SITE INFORMATION

MAGNETIC DECLINATION:			
On Wall Plat:	8.63	LWD Calculated:	8.624132
Agreed Upon:		8.624132	
X =	453962.100000	Feet	Y = 711988.600000
Feet		Feet	
SITE LATITUDE:	32.957239 N	SITE LONGITUDE:	104.483425 W
GRID SYSTEM:	TRUE ☐ UTM ☒ LAMBERT ☐	ZONE:	New Mexico East
PROPOSED DRIFT DIRECTION:	269.59		
KELLY BUSHING ELEVATION:	19.66		
ALTITUDE:	3470	Feet	WATER DEPTH:
			Feet

TIE-IN SURVEY

MEASURED DEPTH:	4210
DRIFT ANGLE:	2.3
DRIFT DIRECTION:	61
TRUE VERTICAL DEPTH:	4209.66
VERTICAL SECTION:	-0.76
RECTANGULAR COORDINATE (N / S):	21.61
RECTANGULAR COORDINATE (E / W):	0.75
CLOSURE DISTANCE / DIRECTION:	
SURVEY CALCULATION METHOD:	AA ☐ MC ☒ RC ☐ BT ☐
SOURCE OF TIE-IN DATA (COMPANY):	
COPY OF TIE-IN SURVEY REPORT	☐ YES ☒ NO

WELL PLAN

KICKOFF DEPTH:	4210	TOTAL DEPTH:	8515.24
KICKOFF ANGLE:	61	MAX ANGLE:	91.99

PES Engineers:

**Signature of both field engineers required if applicable

Directional Driller:

DATE:

4/19/07

District I
1825 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 30-015-35382	Pool Code 75250	Pool Name Cottonwood Creek; Wolfcamp, (Gas)
Property Code 36046	Property Name MERAMEC "B" 4 FEE	Well Number 1H
OGRID No. 7377	Operator Name EOG RESOURCES, INC.	Elevation 3470'

Surface Location

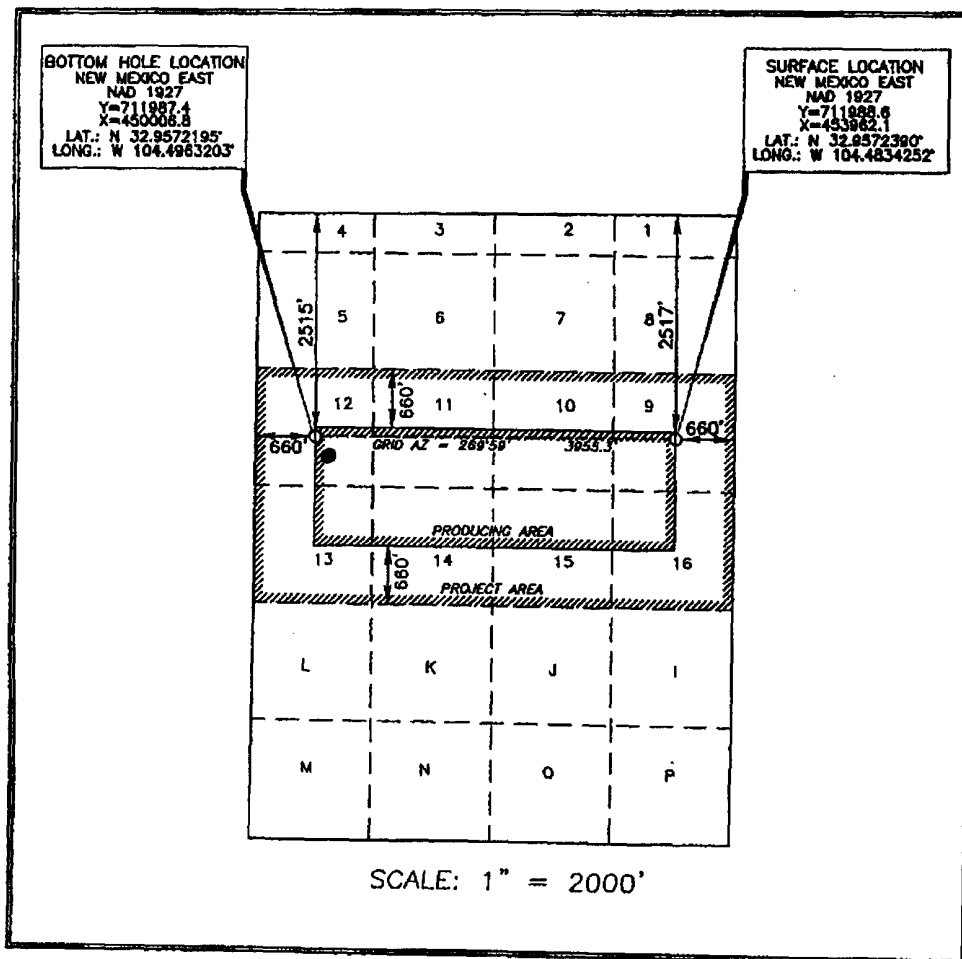
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
9	4	16 SOUTH	25 EAST, N.M.P.M.		2517'	NORTH	660'	EAST	EDDY

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
12	4	16 SOUTH	25 EAST, N.M.P.M.		2626	NORTH	740	WEST	EDDY

Dedicated Acres 320	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.

Stan Wagner 5/22/07
Signature Date
Stan Wagner
Printed Name

SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of a survey made by me or under my supervision, and that the same is true and correct to the best of my belief.

15079
DECEMBER 06 2006
Date of Survey
Signature and Seal of Professional Surveyor
Tommy Q. Paul 1/10/2007
Certificate Number 15079

WOF 061206WL-r (A)