

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

WELL API NO. 30-015-35488
5. Indicate Type of Lease STATE ☐ FEE ☒
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name: Ganges B 2 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.)
3433' 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 : 2518 feet from the North line and 210 feet from the East line Section 2 Township 16S Range 25E NMPM County Eddy
5. Date of Notice JUN 19 2007
6. Address of Operator OCD-ARTESIA

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 ☐
PLUG AND ABANDON ☐	ALTERING CASING ☐
TEMPORARILY ABANDON ☐	COMMENCE DRILLING OPNS. ☐
CHANGE PLANS ☐	PLUG AND ABANDONMENT ☐
PULL OR ALTER CASING ☐	CASING TEST AND CEMENT JOB ☐
MULTIPLE COMPLETION ☐	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.

5/06/07 MIRU for completion. Step rate tested 5 1/2" casing to 7000 psi for 30 min. Test good.
5/07/07 Perforated from 7748' to 8325'.
Frac w/ 3000 gals 15% HCL acid, 98745 lbs 30/70 sand, 37855 lbs 16/30 sand, 195504 gals slick water.
5/10/07 Perforated from 6900' to 7470'.
Frac w/ 3000 gals 15% HCL acid, 89562 lbs 30/70 sand, 37456 lbs 16/30 sand, 200783 gals slick water.
5/15/07 Perforated from 5200' to 5760'.

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 5/24/07

Type or print name Stan Wagner

E-mail address:

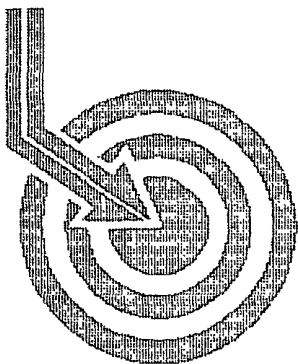
Telephone No. 432 686-3689

For State Use Only

FOR RECORDS ONLY

APPROVED BY _____ TITLE _____ DATE JUN 28 2007

Conditions of Approval, if any:



Scientific Drilling

E.O.G.

Field: Cottonwood Creek Wolfcamp
Site: Eddy County, NM
Well: Ganges B2 Fee #1H
Wellpath: VJ - Job #32K0407328
Survey: 04/20/07

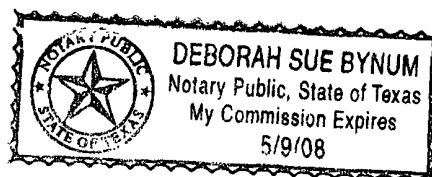
This survey is correct to the best of my knowledge
and is supported by actual field data.

.....*R. Wharton*..... Company Representative

Notorized this date 14th of May, 2007.

Deborah Sue Bynum

Notary Signature
County of Midland
State of Texas





Scientific
Drilling

Scientific Drilling International Survey Report

Company: E.O.G.	Date: 05/08/2007	Time: 15:16:36	Page: 1
Field: Cottonwood Creek Wolfcamp	Co-ordinate(NE) Reference:	Site: Eddy County, NM, Grid North	
Site: Eddy County, NM	Vertical (TVD) Reference:	SITE 0.0	
Well: Ganges B2 Fee #1H	Section (VS) Reference:	Well (0.00N,0.00E,267.54Azi)	
Wellpath: VJ - Job #32K0407328	Survey Calculation Method:	Minimum Curvature	Db: Sybase

Survey: 04/20/07	Start Date: 04/20/2007
Company: Scientific Drilling Internatio	Engineer: Madrid w/GeoGyro
Tool: Keeper, Keeper Surface Readout Gyro	Tied-to: From Surface

Survey

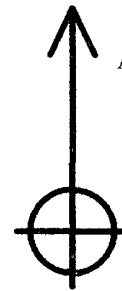
MD ft	Incl deg	Azim deg	TVD ft	VS ft	N/S ft	E/W ft	DLS deg/100ft	ClsD ft	ClsA deg
0.00	0.00	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	1.35	312.47	99.99	0.83	0.80	-0.87	1.35	1.18	312.47
200.00	1.05	312.61	199.97	2.32	2.21	-2.41	0.30	3.27	312.51
300.00	1.10	295.38	299.95	3.81	3.24	-3.95	0.33	5.11	309.36
400.00	1.07	260.65	399.93	5.59	3.50	-5.74	0.65	6.73	301.38
500.00	1.06	252.76	499.92	7.41	3.08	-7.55	0.15	8.15	292.18
600.00	0.59	226.24	599.91	8.69	2.45	-8.80	0.59	9.14	285.53
700.00	0.31	210.65	699.90	9.22	1.86	-9.31	0.30	9.50	281.28
800.00	0.34	227.17	799.90	9.60	1.42	-9.67	0.10	9.77	278.37
900.00	0.29	215.33	899.90	9.98	1.02	-10.03	0.08	10.08	275.78
1000.00	0.57	220.62	999.90	10.47	0.43	-10.50	0.28	10.51	272.35
1100.00	0.83	227.94	1099.89	11.37	-0.43	-11.36	0.27	11.37	267.82
1200.00	0.65	237.82	1199.88	12.42	-1.22	-12.38	0.22	12.44	264.38
1300.00	0.25	198.11	1299.88	12.99	-1.73	-12.93	0.48	13.04	262.39
1400.00	0.25	211.39	1399.88	13.19	-2.12	-13.11	0.06	13.28	260.81
1500.00	0.16	251.23	1499.88	13.45	-2.35	-13.36	0.16	13.56	260.01
1600.00	0.33	287.23	1599.88	13.85	-2.31	-13.76	0.22	13.96	260.46
1700.00	0.43	262.96	1699.87	14.50	-2.27	-14.41	0.19	14.59	261.03
1800.00	0.30	229.77	1799.87	15.08	-2.49	-14.98	0.24	15.19	260.57
1900.00	0.21	229.40	1899.87	15.43	-2.78	-15.32	0.09	15.57	259.73
2000.00	0.27	246.05	1999.87	15.79	-2.99	-15.68	0.09	15.96	259.20
2100.00	0.37	264.83	2099.87	16.33	-3.12	-16.21	0.14	16.51	259.12
2200.00	0.52	272.61	2199.87	17.11	-3.13	-16.99	0.16	17.27	259.58
2300.00	0.46	257.00	2299.86	17.95	-3.19	-17.83	0.15	18.12	259.84
2400.00	0.49	283.59	2399.86	18.76	-3.18	-18.64	0.22	18.91	260.30
2500.00	0.38	288.87	2499.86	19.48	-2.98	-19.37	0.12	19.60	261.26
2600.00	0.45	303.85	2599.85	20.10	-2.65	-20.01	0.13	20.18	262.45
2700.00	0.22	314.39	2699.85	20.55	-2.30	-20.47	0.24	20.60	263.60
2800.00	0.33	323.35	2799.85	20.85	-1.93	-20.78	0.12	20.87	264.69
2900.00	0.26	289.95	2899.85	21.22	-1.62	-21.17	0.18	21.23	265.61
3000.00	0.27	266.95	2999.85	21.66	-1.56	-21.62	0.11	21.67	265.87
3100.00	0.34	285.89	3099.85	22.18	-1.49	-22.14	0.12	22.19	266.15
3200.00	0.36	266.31	3199.84	22.78	-1.43	-22.73	0.12	22.78	266.40
3300.00	0.17	272.78	3299.84	23.24	-1.44	-23.20	0.19	23.24	266.44
3400.00	0.21	279.36	3399.84	23.56	-1.41	-23.53	0.05	23.57	266.58
3500.00	0.10	195.29	3499.84	23.77	-1.46	-23.73	0.22	23.77	266.48
3600.00	0.34	116.04	3599.84	23.54	-1.67	-23.49	0.34	23.55	265.92
3700.00	0.44	112.06	3699.84	22.93	-1.95	-22.86	0.10	22.95	265.13
3800.00	0.59	104.89	3799.84	22.09	-2.23	-22.01	0.16	22.12	264.23
3900.00	1.19	97.10	3899.82	20.57	-2.49	-20.48	0.61	20.63	263.08
4000.00	1.44	88.96	3999.80	18.29	-2.59	-18.20	0.31	18.38	261.89
4100.00	1.34	98.09	4099.77	15.88	-2.73	-15.78	0.24	16.02	260.17
4200.00	1.42	105.04	4199.74	13.55	-3.22	-13.43	0.19	13.81	256.52
4300.00	1.58	95.95	4299.70	11.01	-3.68	-10.86	0.29	11.47	251.26
4400.00	2.34	90.66	4399.65	7.60	-3.85	-7.45	0.78	8.38	242.66
4425.00	2.60	82.90	4424.62	6.53	-3.79	-6.37	1.69	7.41	239.29



**Scientific
Drilling**

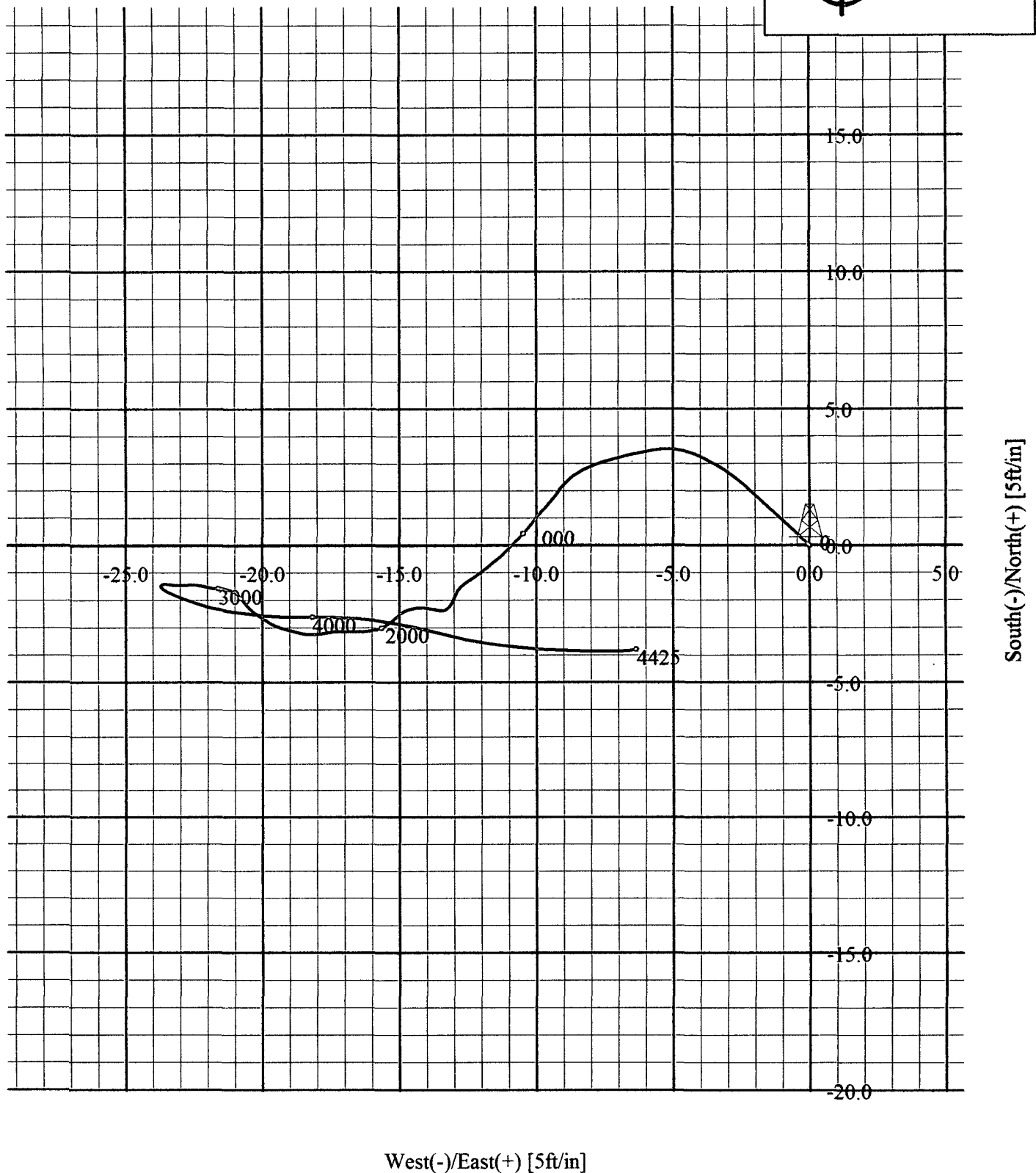
Field: Cottonwood Creek Wolfcamp
Site: Eddy County, NM
Well: Ganges B2 Fee #1H
Wellpath: VJ - Job #32K0407328
Survey: 04/20/07

G/T/M



Azimuths to Grid North
True North: 0.00°
Magnetic North: 0.00°

Magnetic Field
Strength: 0nI
Dip Angle: 0.00°
Date: 05/08/2007
Model: igrf2000





DIRECTIONAL SURVEY REPORT

EOG RESOURCES INC.

GANGES B2 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 INC.
4000 N. Big Spring
Suite 500
Midland, Texas 79705

RE: EOG RESOURCES INC.
GANGES B2 FEE #1H
EDDY COUNTY, NM
RIG: MCVAY #4
PES FILE NO.: 101006332-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,


Francisco Sinisterra
M/LWD Service Coordinator
PathFinder Energy Services

ML:sh

Pathfinder Energy Service, Inc.

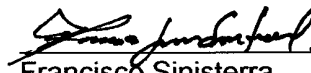


DIRECTIONAL SURVEY COMPANY REPORT:

1. NAME OF SURVEYING COMPANY: PATHFINDER ENERGY SERVICES
2. NAME OF PERSON(S) PERFORMING SURVEY:
A) MIKE EVANS
3. POSITION OF SAID PERSON(S): (A-F) SURVEYORS (FIELD ENGINEERS)
4. DATE(S) ON WHICH SURVEY WAS PERFORMED: 04/20/07 TO 4/29/07
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, INC.
GANGES B2 FEE #1H
EDDY COUNTY, NM
RIG: MCVAY #4
9. SURVEY CERTIFIED FROM: 4207 TO 8356 FEET MEASURED DEPTH.

THIS IS TO VERIFY THAT ATTACHED DOCUMENTS SHOWING THE WELL TO BE DISPLACED AT 3842.80 FEET ON A BEARING OF 266.46 DEGREES FROM THE CENTER OF THE ROTARY TABLE AT A PROJECTED BIT DEPTH OF 8460 FEET, ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE.


Francisco Sinisterra
M/LWD SERVICE COORDINATOR

STATE OF TEXAS
COUNTY OF MIDLAND

I, Mike Evans certify that; I am employed by PATHFINDER ENERGY SERVICES; that I did on the day(s) of **4/20/07** through **4/29/07** conduct or supervise the taking of a **Measurement While Drilling** survey from a depth of **4207 feet** to a depth of **8356 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 INC.** for the **GANGES B2 FEE #1H** Well API No. **30-015-35488** in **Carracas Mesa, 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.



Mike Evans
Field Engineer

PathFinder Energy Services, Inc.

BHL Report

Page 01/01
Tie-in Date: 04/20/2007
Date Completed: 04/29/2007

EOG RESOURCES, INC.
GANGES B2 FEE NO. 1H
EDDY COUNTY County, NM
Rig:McVay #4
PathFinder Office Supervisor: Marcus Mitcham
PathFinder Field Engineers:Mike Evans
Justin Fallin

Survey Horiz. Reference:WELLHEAD
Ref Coordinates: LAT:32.57.26.3484 N LON:104.26.49.8156 W
GRID Reference:NAD27 new mexico east Transverse Mercator
Ref GRID Coord: X: 465082.4733 Y: 712003.7329
North Aligned To:GRID NORTH
Total Magnetic Correction: 8.59° EAST TO GRID
Vertical Section Plane: 267.54
Survey Vert. Reference:3433.00' Rotary Table To Ground
Altitude: 18.00' Ground To MSL

Measured Depth	8460.00	(feet)
Inclination	94.09	(deg)
Azimuth	268.83	(deg)
True Vertical Depth	4868.80	(feet)
Vertical Section	3842.12	(feet)
Survey X cord	461247.06	(feet)
Survey Y cord	711766.48	(feet)
Survey Lat	32.95665484 N	(deg)
Survey Lon	104.45967422 W	(deg)
Rectangular Corr. N/S	237.38 S	(feet)
Rectangular Corr. E/W	3835.46 W	(feet)
Closure Distance	3842.80	(feet)
Direction of Closure	266.46	(deg)
Dogleg Severity	0.00	(deg/100ft)

PathFinder Energy Services, Inc.

Survey Report

EOG RESOURCES, INC.
GANGES B2 FEE NO. 1H
EDDY COUNTY County, NM
Rig:McVay #4
PathFinder Office Supervisor: Marcus Mitcham
PathFinder Field Engineers: Mike Evans
Justin Fallin

Page 01/03
Tie-in Date: 04/20/2007
Date Completed: 04/29/2007

Survey Horiz. Reference:WELLHEAD
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Total Magnetic Correction: 8.59° EAST TO GRID
Vertical Section Plane: 267.54
Survey Vert. Reference:3433.00' Rotary Table To Ground
Altitude: 18.00' Ground 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 TO SCIENTIFIC SURVEY @ 4200' MD.										
4200.00	1.42	105.04	4199.74	0.00	13.56	3.22 S	13.43 W	13.81@	256.52	0.00
THE FOLLOWING ARE PATHFINDER MWD SURVEYS.										
4207.00	0.44	111.77	4206.74	7.00	13.45	3.25 S	13.32 W	13.71@	256.28	14.06
4239.00	1.49	270.68	4238.74	32.00	13.75	3.29 S	13.62 W	14.02@	256.41	5.96
4271.00	4.11	268.31	4270.70	32.00	15.31	3.32 S	15.19 W	15.54@	257.66	8.19
4302.00	6.86	271.91	4301.55	31.00	18.27	3.29 S	18.15 W	18.44@	259.71	8.94
4334.00	9.58	272.44	4333.22	32.00	22.83	3.12 S	22.72 W	22.93@	262.19	8.50
4366.00	12.22	269.98	4364.64	32.00	28.87	3.00 S	28.77 W	28.92@	264.04	8.38
4398.00	15.04	269.62	4395.73	32.00	36.40	3.03 S	36.31 W	36.43@	265.23	8.82
4429.00	17.85	269.62	4425.46	31.00	45.17	3.09 S	45.08 W	45.19@	266.08	9.06
4461.00	20.75	267.25	4455.66	32.00	55.74	3.40 S	55.65 W	55.75@	266.51	9.39
4493.00	23.30	264.70	4485.33	32.00	67.74	4.25 S	67.62 W	67.75@	266.40	8.51
4524.00	25.85	262.59	4513.51	31.00	80.60	5.69 S	80.43 W	80.63@	265.95	8.70
4556.00	28.75	260.57	4541.95	32.00	95.19	7.85 S	94.94 W	95.26@	265.27	9.51
4588.00	31.74	259.08	4569.59	32.00	111.16	10.71 S	110.80 W	111.31@	264.48	9.63
4620.00	34.29	257.06	4596.42	32.00	128.35	14.32 S	127.85 W	128.65@	263.61	8.68
4651.00	36.76	255.21	4621.65	31.00	146.00	18.65 S	145.33 W	146.53@	262.69	8.69
4683.00	38.78	253.72	4646.94	32.00	165.09	23.90 S	164.21 W	165.94@	261.72	6.93
4715.00	41.24	255.12	4671.45	32.00	185.12	29.42 S	184.03 W	186.37@	260.92	8.19
4747.00	44.23	256.79	4694.95	32.00	206.40	34.68 S	205.10 W	208.01@	260.40	9.99
4778.00	46.52	258.38	4716.73	31.00	228.12	39.42 S	226.64 W	230.04@	260.13	8.24
4810.00	48.98	257.41	4738.24	32.00	251.47	44.39 S	249.80 W	253.71@	259.92	8.01
4842.00	51.62	255.83	4758.68	32.00	275.64	50.09 S	273.75 W	278.29@	259.63	9.08

PathFinder Energy Services, Inc.

Survey Report

EOG RESOURCES, INC.
GANGES B2 FEE NO. 1H
EDDY COUNTY County, NM
RIG:McVay #4

Page 02/03

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)
4874.00	54.17	253.72	4777.99	32.00	300.53	56.80 S	298.37 W	303.72@	259.22	9.55
4905.00	56.63	252.05	4795.59	31.00	325.21	64.31 S	322.75 W	329.09@	258.73	9.09
4937.00	59.62	251.43	4812.49	32.00	351.35	72.83 S	348.55 W	356.08@	258.20	9.49
4969.00	62.61	250.64	4827.94	32.00	378.21	81.93 S	375.04 W	383.89@	257.68	9.59
5001.00	65.77	250.03	4841.87	32.00	405.73	91.63 S	402.17 W	412.47@	257.16	10.02
5032.00	68.32	250.90	4853.96	31.00	433.01	101.17 S	429.07 W	440.83@	256.73	8.62
5064.00	69.20	253.45	4865.56	32.00	461.77	110.30 S	457.46 W	470.57@	256.44	7.92
5096.00	70.61	255.74	4876.55	32.00	491.06	118.28 S	486.43 W	500.60@	256.33	8.04
5128.00	71.75	256.97	4886.88	32.00	520.77	125.42 S	515.86 W	530.89@	256.33	5.09
5159.00	72.90	258.20	4896.29	31.00	549.86	131.77 S	544.71 W	560.42@	256.40	5.30
5191.00	73.95	259.52	4905.42	32.00	580.18	137.70 S	574.80 W	591.06@	256.53	5.14
5223.00	76.33	260.84	4913.63	32.00	610.85	142.97 S	605.27 W	621.93@	256.71	8.44
5255.00	78.88	261.63	4920.49	32.00	641.91	147.73 S	636.16 W	653.09@	256.93	8.32
5286.00	81.69	262.68	4925.72	31.00	672.33	151.90 S	666.42 W	683.52@	257.16	9.66
5318.00	84.50	263.65	4929.57	32.00	704.00	155.68 S	697.96 W	715.11@	257.43	9.28
5350.00	88.11	264.88	4931.63	32.00	735.88	158.87 S	729.73 W	746.82@	257.72	11.92
5414.00	92.33	266.11	4931.39	64.00	799.82	163.89 S	793.52 W	810.27@	258.33	6.87
5477.00	92.68	266.29	4928.63	63.00	862.74	168.07 S	856.32 W	872.66@	258.90	0.63
5572.00	92.68	267.08	4924.19	95.00	957.63	173.55 S	951.06 W	966.76@	259.66	0.83
5668.00	91.63	266.90	4920.58	96.00	1053.55	178.59 S	1046.85 W	1061.98@	260.32	1.11
5795.00	91.80	267.08	4916.78	127.00	1180.49	185.26 S	1173.62 W	1188.15@	261.03	0.20
5922.00	92.77	266.90	4911.72	127.00	1307.38	191.92 S	1300.34 W	1314.43@	261.60	0.78
6049.00	92.68	267.08	4905.68	127.00	1434.23	198.58 S	1427.03 W	1440.78@	262.08	0.16
6176.00	91.80	267.78	4900.72	127.00	1561.13	204.27 S	1553.80 W	1567.17@	262.51	0.89
6302.00	91.71	267.69	4896.86	126.00	1687.07	209.25 S	1679.64 W	1692.62@	262.90	0.10
6429.00	91.80	267.69	4892.97	127.00	1814.01	214.36 S	1806.48 W	1819.15@	263.23	0.07
6553.00	92.95	270.07	4887.83	124.00	1937.86	216.79 S	1930.34 W	1942.47@	263.59	2.13

PathFinder Energy Services, Inc.

Survey Report

EOG RESOURCES, INC.
GANGES B2 FEE NO. 1H
EDDY COUNTY County, NM
RIG:McVay #4

Page 03/03

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)
6680.00	90.40	270.77	4884.12	127.00	2064.64	215.86 S	2057.27 W	2068.56@	264.01	2.08
6806.00	91.36	270.50	4882.18	126.00	2190.44	214.46 S	2183.24 W	2193.75@	264.39	0.79
6902.00	92.86	270.68	4878.65	96.00	2286.23	213.47 S	2279.17 W	2289.15@	264.65	1.57
6995.00	91.01	270.24	4875.51	93.00	2379.06	212.73 S	2372.11 W	2381.63@	264.88	2.05
7089.00	89.96	270.86	4874.71	94.00	2472.92	211.82 S	2466.10 W	2475.18@	265.09	1.30
7185.00	91.10	270.68	4873.82	96.00	2568.76	210.53 S	2562.09 W	2570.72@	265.30	1.20
7280.00	90.04	270.42	4872.88	95.00	2663.63	209.62 S	2657.08 W	2665.33@	265.49	1.15
7375.00	88.90	269.62	4873.76	95.00	2758.53	209.59 S	2752.07 W	2760.04@	265.64	1.47
7469.00	87.67	268.75	4876.57	94.00	2852.45	210.92 S	2846.02 W	2853.82@	265.76	1.60
7566.00	87.93	268.57	4880.29	97.00	2949.36	213.19 S	2942.92 W	2950.63@	265.86	0.33
7660.00	87.32	268.31	4884.19	94.00	3043.26	215.75 S	3036.80 W	3044.46@	265.94	0.71
7754.00	87.67	268.66	4888.30	94.00	3137.16	218.23 S	3130.68 W	3138.28@	266.01	0.53
7849.00	89.08	268.66	4890.99	95.00	3232.10	220.45 S	3225.61 W	3233.14@	266.09	1.48
7943.00	87.76	267.78	4893.58	94.00	3326.06	223.37 S	3319.53 W	3327.03@	266.15	1.69
8038.00	90.75	267.95	4894.82	95.00	3421.04	226.91 S	3414.44 W	3421.97@	266.20	3.15
8134.00	93.83	268.66	4890.98	96.00	3516.94	229.75 S	3510.31 W	3517.82@	266.26	3.29
8229.00	93.65	268.39	4884.79	95.00	3611.72	232.19 S	3605.08 W	3612.55@	266.31	0.34
8356.00	94.09	268.83	4876.21	127.00	3738.41	235.26 S	3731.75 W	3739.16@	266.39	0.49
STRAIGHT LINE PROJECTION TO BIT @ 8460' MD (4868' TVD).										
8460.00	94.09	268.83	4868.80	104.00	3842.12	237.38 S	3835.46 W	3842.80@	266.46	0.00

PathFinder Energy Services, Inc.

Magnetic & Grid Calculations

EOG RESOURCES
GANGES "B" 2 FEE
EDDY Co., NM

Fri Apr 20 14:31:27 2007

Coordinates

Latitude: 32.957319 N (32 deg. 57 min. 26.3498 sec.)
Longitude: 104.447171 W (-104 deg. 26 min. 49.8149 sec.)
Elevation: 3433.00 feet.
Calculation Date: Apr/20/2007

Magnetic Calculations

Model: IGRF2005
Dip Angle: 60.8191 degrees
Total Magnetic Field: 0.49393 gauss
Magnetic Declination: 8.526078 degrees
Horizontal Intensity: 0.240824 gauss
To Convert a Magnetic Dir. to a TRUE North Dir. Add 8.526078 Degr

Transverse Mercator Grid Calculations NAD27

Grid System: Transverse Mercator: new mexico east
Ellipsoid: Clarke 1866
X: 465082.5348 feet
Y: 712003.8784 feet
True to Grid: (convergence) 0.061929 degrees
Magnetic to Grid: 8.588007 degrees
To Convert a Magnetic Dir. to a GRID dir. Add 8.588007 Degr.



ENERGY SERVICES

TIE-IN SURVEY INFORMATION SHEET

CLIENT INFORMATION

CLIENT:	EOG Resources		
LEASE / WELL No.:	Ganges B2 Fee	#1H	
WELL LOCATION:	Eddy County		
COUNTY / STATE / COUNTRY:	Eddy County	NM	USA
RIG:	McVay # 4		
API WELL No:	30-015-35488		
JOB No:	101006332 WT-WT		
P.O. / AFE No.	103471		
DIRECTIONAL COMPANY:	Pathfinder Energy		

WELL SITE INFORMATION

MAGNETIC DECLINATION:					
On Wall Plat:	8.59	LWD Calculated:	8.588007	Agreed Upon:	8.59
X =	465082.534800	Feet	Y =	712003.878400	Feet
SITE LATITUDE:	32.957319 N	SITE LONGITUDE:	104.447171 W		
GRID SYSTEM:	TRUE ☐ UTM ☐ LAMBERT ☒	ZONE:	New Mexico East		
PROPOSED DRIFT DIRECTION:	267.54				
KELLY BUSHING ELEVATION:	18				
ALTITUDE:	3433	Feet	WATER DEPTH:	N/A	Feet

TIE-IN SURVEY

MEASURED DEPTH:	4200
DRIFT ANGLE:	1.42
DRIFT DIRECTION:	105.04
TRUE VERTICAL DEPTH:	4199.74
VERTICAL SECTION:	13.55
RECTANGULAR COORDINATE (N / S) :	-3.22
RECTANGULAR COORDINATE (E / W) :	-13.43
CLOSURE DISTANCE / DIRECTION:	
SURVEY CALCULATION METHOD:	AA ☐ MC ☒ RC ☐ BT ☐
SOURCE OF TIE-IN DATA (COMPANY):	Scientific Drilling Controls
COPY OF TIE-IN SURVEY REPORT	☒ YES ☐ NO

WELL PLAN

KICKOFF DEPTH:	4250	TOTAL DEPTH:	9125.4
KICKOFF ANGLE:	1.5	MAX ANGLE:	92

PES Engineers:

Mike Evans

**Signature of both field engineers required if applicable

Directional Driller:

Monty Maye

DATE: 22-Apr-2007