

Form 3160-3
(August 1999)

If earthen pits are used in association with the drilling of this well, an OCD pit permit must be obtained prior to pit construction.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

FEB 03 2006

UUD-ARTESIA

FORM APPROVED
OMB No. 1004-0136
Expires November 30, 2000

APPLICATION FOR PERMIT TO DRILL OR REENTER

1a. Type of Work: ☒ DRILL ☐ REENTER		35049		5. Lease Serial No. NMNM 108950	
1b. Type of Well: Oil Well ☐ Gas Well ☒ Other ☐ Single Zone ☐ Multiple Zone				6. If Indian, Allottee or Tribe Name	
2. Name of Operator EOG Resources, Inc.		7377		7. If Unit or CA Agreement, Name and No.	
3a. Address P.O. Box 2267 Midland, TX 79702		3b. Phone No. (Include area code) (432) 686-3714 75260		8. Lease Name and Well No. Rio Grande 23 Fed No 3H	
4. Location of Well (Report location clearly and in accordance with any State requirements.) At surface 660' FSL & 1880' FWL (U/LN) At proposed prod. Zone 660' FNL & 1880' FWL (U/L C)		SUBJECT TO LIKE APPROVAL BY STATE		9. API Well No. 30-015-34591	
14. Distance in miles and direction from nearest town or post office* 4 mi. NW from Artesia		12. County or Parish Eddy		13. State NM	
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. Unit line, if any) 660		16. No. of Acres in lease 1,120		17. Spacing Unit dedicated to this well W/2	
18. Distance from proposed location* to nearest well, drilling, completed applied for, on this lease, ft. 1120'		19. Proposed Depth 5400' TVD TMD 8730"		20. BLM/BIA Bond No. on file NM2308	
21. Elevations (Show whether DF, KDB, RT, GL, etc) Gr 3637		22. Approximate date work will start* 1/20/2006		23. Estimated duration 30 days	
24. Attachments					

The following completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, shall be attached to this form:

- | | |
|--|--|
| 1. Well plat certified by a registered surveyor. | 4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above) |
| 2. A Drilling Plan. | 5. Operator certification. |
| 3. A Surface Use Plan (If the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office) | 6. Such other site specific information and/or plans as may be required by the authorized officer. |

25. Signature <i>Mike Francis</i>	Name (Printed/Typed) Mike Francis	Date 12/19/2005
Title Agent		

Approved by (Signature) <i>/s/ Joe G. Lara</i>	Name (Printed/Typed) <i>/s/ Joe G. Lara</i>	Date FEB 02 2006
Title ACTING FIELD MANAGER		Office CARLSBAD FIELD OFFICE

Application approval does not warrant or certify the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Conditions of approval, if any, are attached

APPROVAL FOR 1 YEAR

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*(Instructions on reverse)

Roswell Controlled Water Basin

WITNESS: 878" CSG LMT JOB
SD Required to Produce
Drill only

APPROVAL SUBJECT TO
GENERAL REQUIREMENTS AND
SPECIAL STIPULATIONS
ATTACHED

DISTRICT I
1625 N. French Dr., Hobbs, NM 88240

DISTRICT II
1301 W. Grand Avenue, Artesia, NM 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

DISTRICT IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico

Energy, Minerals, and Natural Resources Department

OIL CONSERVATION DIVISION

1220 South St. Francis Dr.

Santa Fe, New Mexico 87505

Form C-102

Revised August 15, 2000

Submit to Appropriate District Office

State Lease - 4 copies

Fee Lease - 3 copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

1 API Number		2 Pool Code 75260		3 Pool Name Undes Cottonwood Creek Wolfcamp West	
4 Property Code		5 Property Name RIO GRANDE "23" FED			6 Well Number 3H
7 OGRID No. 7377		8 Operator Name EOG RESOURCES, INC.			9 Elevation 3637'

10 Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
N	23	16 SOUTH	24 EAST, N.M.P.M.		660'	SOUTH	1880'	WEST	EDDY

11 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
C	23	16 SOUTH	24 EAST, N.M.P.M.		660'	NORTH	1880'	WEST	EDDY

12 Dedicated Acres 320	13 Joint or Infill	14 Consolidation Code	15 Order No.
---------------------------	--------------------	-----------------------	--------------

NO ALLOWABLE WELL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

	17 OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief. <i>Mike Francis</i> Signature Mike Francis Printed Name Agent Title 12/19/2005 Date
	18 SURVEYOR CERTIFICATION I hereby certify that the location shown on this plat was plotted from field notes and is correct to the best of my knowledge and belief. NEW MEXICO NOVEMBER 29, 2005 Date of Survey Signature and Seal of Professional Surveyor V. L. BEZNER Certification Number R.P.S. #7920 JOB #108529 / 101 SE / E.U.O.

e

[illegible]

e Planning Report

Company: eog resources	Date: 12/13/2005	Time: 16:26:11	Page: 2
Field: Thames	Co-ordinate(NE) Reference: Site: Rio Grande 23 Fed #3H, Grid North		
Site: Rio Grande 23 Fed #3H	Vertical (TVD) Reference: SITE 3654.0		
Well: Rio Grande 23 Fed #3H	Section (VS) Reference: Well (0.00N,0.00E,0.35Azi)		
Wellpath: Rio Grande 23 Fed #3H	Plan: Plan #1		

Section 1 : Start Hold

MD ft	Incl deg	Azim deg	TVD ft	+N/S ft	+E/W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg
1800.00	0.00	0.00	1800.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1900.00	0.00	0.00	1900.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2000.00	0.00	0.00	2000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2100.00	0.00	0.00	2100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2200.00	0.00	0.00	2200.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2300.00	0.00	0.00	2300.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2400.00	0.00	0.00	2400.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2500.00	0.00	0.00	2500.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2600.00	0.00	0.00	2600.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2700.00	0.00	0.00	2700.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2800.00	0.00	0.00	2800.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2900.00	0.00	0.00	2900.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3000.00	0.00	0.00	3000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3100.00	0.00	0.00	3100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3200.00	0.00	0.00	3200.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3300.00	0.00	0.00	3300.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3400.00	0.00	0.00	3400.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3500.00	0.00	0.00	3500.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3600.00	0.00	0.00	3600.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3700.00	0.00	0.00	3700.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3800.00	0.00	0.00	3800.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3900.00	0.00	0.00	3900.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4000.00	0.00	0.00	4000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4100.00	0.00	0.00	4100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4200.00	0.00	0.00	4200.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4300.00	0.00	0.00	4300.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4400.00	0.00	0.00	4400.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4500.00	0.00	0.00	4500.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4568.00	0.00	0.00	4568.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Section 2 : Start Build 15.00

MD ft	Incl deg	Azim deg	TVD ft	+N/S ft	+E/W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg
4575.00	1.05	0.35	4575.00	0.06	0.00	0.06	15.00	15.00	0.00	0.00
4600.00	4.80	0.35	4599.96	1.34	0.01	1.34	15.00	15.00	0.00	0.00
4625.00	8.55	0.35	4624.79	4.24	0.03	4.25	15.00	15.00	0.00	0.00
4650.00	12.30	0.35	4649.37	8.77	0.05	8.77	15.00	15.00	0.00	0.00
4675.00	16.05	0.35	4673.61	14.89	0.09	14.89	15.00	15.00	0.00	0.00
4700.00	19.80	0.35	4697.39	22.58	0.14	22.58	15.00	15.00	0.00	0.00
4725.00	23.55	0.35	4720.62	31.81	0.19	31.81	15.00	15.00	0.00	0.00
4750.00	27.30	0.35	4743.19	42.54	0.26	42.55	15.00	15.00	0.00	0.00
4775.00	31.05	0.35	4765.02	54.73	0.33	54.73	15.00	15.00	0.00	0.00
4800.00	34.80	0.35	4786.00	68.31	0.42	68.32	15.00	15.00	0.00	0.00
4825.00	38.55	0.35	4806.04	83.24	0.51	83.25	15.00	15.00	0.00	0.00
4850.00	42.30	0.35	4825.07	99.45	0.61	99.45	15.00	15.00	0.00	0.00
4875.00	46.05	0.35	4843.00	116.87	0.71	116.87	15.00	15.00	0.00	0.00
4900.00	49.80	0.35	4859.75	135.42	0.83	135.43	15.00	15.00	0.00	0.00
4925.00	53.55	0.35	4875.25	155.03	0.95	155.03	15.00	15.00	0.00	0.00
4950.00	57.30	0.35	4889.43	175.61	1.07	175.62	15.00	15.00	0.00	0.00
4975.00	61.05	0.35	4902.24	197.08	1.20	197.08	15.00	15.00	0.00	0.00
5000.00	64.80	0.35	4913.62	219.33	1.34	219.34	15.00	15.00	0.00	0.00
5025.00	68.55	0.35	4923.52	242.28	1.48	242.29	15.00	15.00	0.00	0.00
5050.00	72.30	0.35	4931.89	265.83	1.62	265.84	15.00	15.00	0.00	0.00
5075.00	76.05	0.35	4938.71	289.88	1.77	289.88	15.00	15.00	0.00	0.00
5100.00	79.80	0.35	4943.94	314.32	1.92	314.33	15.00	15.00	0.00	0.00
5125.00	83.55	0.35	4947.55	339.06	2.07	339.06	15.00	15.00	0.00	0.00
5150.00	87.30	0.35	4949.55	363.97	2.22	363.98	15.00	15.00	0.00	0.00
5168.00	90.00	0.35	4949.97	381.96	2.33	381.97	15.00	15.00	0.00	0.00

e

Date: 12/13/2005 Time: 16:26:11 Page: 3
Co-ordinate(NE) Reference: Site: Rio Grande 23 Fed #3H, Grid North
Vertical (TVD) Reference: SITE 3654.0
Section (VS) Reference: Well (0.00N,0.00E,0.35Azi)
Plan: Plan #1

MD ft	Incl deg	Azim deg	TVD ft	+N-S ft	+E-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg
5184.64	90.50	0.35	4949.90	398.61	2.43	398.62	3.00	3.00	-0.01	-0.17

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DES deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg
5200.00	90.50	0.35	4949.77	413.96	2.53	413.97	0.00	0.00	0.00	0.00
5300.00	90.50	0.35	4948.89	513.96	3.14	513.97	0.00	0.00	0.00	0.00
5400.00	90.50	0.35	4948.02	613.95	3.74	613.96	0.00	0.00	0.00	0.00
5500.00	90.50	0.35	4947.15	713.95	4.35	713.96	0.00	0.00	0.00	0.00
5600.00	90.50	0.35	4946.28	813.94	4.96	813.96	0.00	0.00	0.00	0.00
5700.00	90.50	0.35	4945.41	913.94	5.57	913.95	0.00	0.00	0.00	0.00
5800.00	90.50	0.35	4944.54	1013.93	6.18	1013.95	0.00	0.00	0.00	0.00
5900.00	90.50	0.35	4943.67	1113.92	6.79	1113.94	0.00	0.00	0.00	0.00
6000.00	90.50	0.35	4942.79	1213.92	7.39	1213.94	0.00	0.00	0.00	0.00
6100.00	90.50	0.35	4941.92	1313.91	8.00	1313.94	0.00	0.00	0.00	0.00
6200.00	90.50	0.35	4941.05	1413.91	8.61	1413.93	0.00	0.00	0.00	0.00
6300.00	90.50	0.35	4940.18	1513.90	9.22	1513.93	0.00	0.00	0.00	0.00
6400.00	90.50	0.35	4939.31	1613.90	9.83	1613.93	0.00	0.00	0.00	0.00
6500.00	90.50	0.35	4938.44	1713.89	10.44	1713.92	0.00	0.00	0.00	0.00
6600.00	90.50	0.35	4937.56	1813.88	11.04	1813.92	0.00	0.00	0.00	0.00
6700.00	90.50	0.35	4936.69	1913.88	11.65	1913.91	0.00	0.00	0.00	0.00
6800.00	90.50	0.35	4935.82	2013.87	12.26	2013.91	0.00	0.00	0.00	0.00
6900.00	90.50	0.35	4934.95	2113.87	12.87	2113.91	0.00	0.00	0.00	0.00
7000.00	90.50	0.35	4934.08	2213.86	13.48	2213.90	0.00	0.00	0.00	0.00
7100.00	90.50	0.35	4933.21	2313.86	14.08	2313.90	0.00	0.00	0.00	0.00
7200.00	90.50	0.35	4932.34	2413.85	14.69	2413.90	0.00	0.00	0.00	0.00
7300.00	90.50	0.35	4931.46	2513.84	15.30	2513.89	0.00	0.00	0.00	0.00
7400.00	90.50	0.35	4930.59	2613.84	15.91	2613.89	0.00	0.00	0.00	0.00
7500.00	90.50	0.35	4929.72	2713.83	16.52	2713.88	0.00	0.00	0.00	0.00
7600.00	90.50	0.35	4928.85	2813.83	17.13	2813.88	0.00	0.00	0.00	0.00
7700.00	90.50	0.35	4927.98	2913.82	17.73	2913.88	0.00	0.00	0.00	0.00
7800.00	90.50	0.35	4927.11	3013.82	18.34	3013.87	0.00	0.00	0.00	0.00
7900.00	90.50	0.35	4926.24	3113.81	18.95	3113.87	0.00	0.00	0.00	0.00
8000.00	90.50	0.35	4925.36	3213.81	19.56	3213.86	0.00	0.00	0.00	0.00
8100.00	90.50	0.35	4924.49	3313.80	20.17	3313.86	0.00	0.00	0.00	0.00
8200.00	90.50	0.35	4923.62	3413.79	20.77	3413.86	0.00	0.00	0.00	0.00
8300.00	90.50	0.35	4922.75	3513.79	21.38	3513.85	0.00	0.00	0.00	0.00
8400.00	90.50	0.35	4921.88	3613.78	21.99	3613.85	0.00	0.00	0.00	0.00
8500.00	90.50	0.35	4921.01	3713.78	22.60	3713.85	0.00			

MD ft	Incl deg	Azim deg	TVD ft	+N/S ft	+E/W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg
8730.24	90.50	0.35	4919.00	3944.00	24.00	3944.07	3.00	1.22	2.74	65.94

[illegible]

e Planning Report

Company: eog resources	Date: 12/13/2005	Time: 16:26:11
Field: Thames	Co-ordinate(NE) Reference: Site: Rio Grande 23 Fed #3H, Grid North	Page: 4
Site: Rio Grande 23 Fed #3H	Vertical (TVD) Reference: SITE 3654.0	
Well: Rio Grande 23 Fed #3H	Section (VS) Reference: Well (0.00N, 0.00E, 0.35Az)	
Wellpath: Rio Grande 23 Fed #3H	Plan:	Plan #1

Survey

MD ft	Incl deg	Azim deg	TVD ft	+N-S ft	+E-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	Tool/Comment
900.00	0.00	0.00	900.00	0.00	0.00	0.00	0.00	0.00	0.00	
1000.00	0.00	0.00	1000.00	0.00	0.00	0.00	0.00	0.00	0.00	
1100.00	0.00	0.00	1100.00	0.00	0.00	0.00	0.00	0.00	0.00	
1200.00	0.00	0.00	1200.00	0.00	0.00	0.00	0.00	0.00	0.00	
1300.00	0.00	0.00	1300.00	0.00	0.00	0.00	0.00	0.00	0.00	
1400.00	0.00	0.00	1400.00	0.00	0.00	0.00	0.00	0.00	0.00	
1500.00	0.00	0.00	1500.00	0.00	0.00	0.00	0.00	0.00	0.00	
1600.00	0.00	0.00	1600.00	0.00	0.00	0.00	0.00	0.00	0.00	
1700.00	0.00	0.00	1700.00	0.00	0.00	0.00	0.00	0.00	0.00	
1800.00	0.00	0.00	1800.00	0.00	0.00	0.00	0.00	0.00	0.00	
1900.00	0.00	0.00	1900.00	0.00	0.00	0.00	0.00	0.00	0.00	
2000.00	0.00	0.00	2000.00	0.00	0.00	0.00	0.00	0.00	0.00	
2100.00	0.00	0.00	2100.00	0.00	0.00	0.00	0.00	0.00	0.00	
2200.00	0.00	0.00	2200.00	0.00	0.00	0.00	0.00	0.00	0.00	
2300.00	0.00	0.00	2300.00	0.00	0.00	0.00	0.00	0.00	0.00	
2400.00	0.00	0.00	2400.00	0.00	0.00	0.00	0.00	0.00	0.00	
2500.00	0.00	0.00	2500.00	0.00	0.00	0.00	0.00	0.00	0.00	
2600.00	0.00	0.00	2600.00	0.00	0.00	0.00	0.00	0.00	0.00	
2700.00	0.00	0.00	2700.00	0.00	0.00	0.00	0.00	0.00	0.00	
2800.00	0.00	0.00	2800.00	0.00	0.00	0.00	0.00	0.00	0.00	
2900.00	0.00	0.00	2900.00	0.00	0.00	0.00	0.00	0.00	0.00	
3000.00	0.00	0.00	3000.00	0.00	0.00	0.00	0.00	0.00	0.00	
3100.00	0.00	0.00	3100.00	0.00	0.00	0.00	0.00	0.00	0.00	
3200.00	0.00	0.00	3200.00	0.00	0.00	0.00	0.00	0.00	0.00	
3300.00	0.00	0.00	3300.00	0.00	0.00	0.00	0.00	0.00	0.00	
3400.00	0.00	0.00	3400.00	0.00	0.00	0.00	0.00	0.00	0.00	
3500.00	0.00	0.00	3500.00	0.00	0.00	0.00	0.00	0.00	0.00	
3600.00	0.00	0.00	3600.00	0.00	0.00	0.00	0.00	0.00	0.00	
3700.00	0.00	0.00	3700.00	0.00	0.00	0.00	0.00	0.00	0.00	
3800.00	0.00	0.00	3800.00	0.00	0.00	0.00	0.00	0.00	0.00	
3900.00	0.00	0.00	3900.00	0.00	0.00	0.00	0.00	0.00	0.00	
4000.00	0.00	0.00	4000.00	0.00	0.00	0.00	0.00	0.00	0.00	
4100.00	0.00	0.00	4100.00	0.00	0.00	0.00	0.00	0.00	0.00	
4200.00	0.00	0.00	4200.00	0.00	0.00	0.00	0.00	0.00	0.00	
4300.00	0.00	0.00	4300.00	0.00	0.00	0.00	0.00	0.00	0.00	
4400.00	0.00	0.00	4400.00	0.00	0.00	0.00	0.00	0.00	0.00	
4500.00	0.00	0.00	4500.00	0.00	0.00	0.00	0.00	0.00	0.00	
4568.00	0.00	0.00	4568.00	0.00	0.00	0.00	0.00	0.00	0.00	
4575.00	1.05	0.35	4575.00	0.06	0.00	0.06	15.00	15.00	0.00	
4600.00	4.80	0.35	4599.96	1.34	0.01	1.34	15.00	15.00	0.00	
4625.00	8.55	0.35	4624.79	4.24	0.03	4.25	15.00	15.00	0.00	
4650.00	12.30	0.35	4649.37	8.77	0.05	8.77	15.00	15.00	0.00	
4675.00	16.05	0.35	4673.61	14.89	0.09	14.89	15.00	15.00	0.00	
4700.00	19.80	0.35	4697.39	22.58	0.14	22.58	15.00	15.00	0.00	
4725.00	23.55	0.35	4720.62	31.81	0.19	31.81	15.00	15.00	0.00	
4750.00	27.30	0.35	4743.19	42.54	0.26	42.55	15.00	15.00	0.00	
4775.00	31.05	0.35	4765.02	54.73	0.33	54.73	15.00	15.00	0.00	
4800.00	34.80	0.35	4786.00	68.31	0.42	68.32	15.00	15.00	0.00	
4825.00	38.55	0.35	4806.04	83.24	0.51	83.25	15.00	15.00	0.00	
4850.00	42.30	0.35	4825.07	99.45	0.61	99.45	15.00	15.00	0.00	
4875.00	46.05	0.35	4843.00	116.87	0.71	116.87	15.00	15.00	0.00	
4900.00	49.80	0.35	4859.75	135.42	0.83	135.43	15.00	15.00	0.00	
4925.00	53.55	0.35	4875.25	155.03	0.95	155.03	15.00	15.00	0.00	

e Planning Report

Company: eog resources	Date: 12/13/2005	Time: 16:26:11
Field: Thames	Co-ordinate(NE) Reference: Site: Rio Grande 23 Fed #3H, Grid North	Page: 5
Site: Rio Grande 23 Fed #3H	Vertical (TVD) Reference: SITE 3654.0	
Well: Rio Grande 23 Fed #3H	Section (VS) Reference: Well (0.00N,0.00E,0.35Azi)	
Wellpath: Rio Grande 23 Fed #3H	Plan: Plan #1	

Survey

MD ft	Incl deg	Azim deg	TVD ft	+N-S ft	+E-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	Tool/Comment
4950.00	57.30	0.35	4889.43	175.61	1.07	175.62	15.00	15.00	0.00	
4975.00	61.05	0.35	4902.24	197.08	1.20	197.08	15.00	15.00	0.00	
5000.00	64.80	0.35	4913.62	219.33	1.34	219.34	15.00	15.00	0.00	
5025.00	68.55	0.35	4923.52	242.28	1.48	242.29	15.00	15.00	0.00	
5050.00	72.30	0.35	4931.89	265.83	1.62	265.84	15.00	15.00	0.00	
5075.00	76.05	0.35	4938.71	289.88	1.77	289.89	15.00	15.00	0.00	
5100.00	79.80	0.35	4943.94	314.32	1.92	314.33	15.00	15.00	0.00	
5125.00	83.55	0.35	4947.55	339.06	2.07	339.06	15.00	15.00	0.00	
5150.00	87.30	0.35	4949.55	363.97	2.22	363.98	15.00	15.00	0.00	
5168.00	90.00	0.35	4949.97	381.96	2.33	381.97	15.00	15.00	0.00	
5184.64	90.50	0.35	4949.90	398.61	2.43	398.62	3.00	3.00	-0.01	
5200.00	90.50	0.35	4949.77	413.96	2.53	413.97	0.00	0.00	0.00	
5300.00	90.50	0.35	4948.89	513.96	3.14	513.97	0.00	0.00	0.00	
5400.00	90.50	0.35	4948.02	613.95	3.74	613.96	0.00	0.00	0.00	
5500.00	90.50	0.35	4947.15	713.95	4.35	713.96	0.00	0.00	0.00	
5600.00	90.50	0.35	4946.28	813.94	4.96	813.96	0.00	0.00	0.00	
5700.00	90.50	0.35	4945.41	913.94	5.57	913.95	0.00	0.00	0.00	
5800.00	90.50	0.35	4944.54	1013.93	6.18	1013.95	0.00	0.00	0.00	
5900.00	90.50	0.35	4943.67	1113.92	6.79	1113.94	0.00	0.00	0.00	
6000.00	90.50	0.35	4942.79	1213.92	7.39	1213.94	0.00	0.00	0.00	
6100.00	90.50	0.35	4941.92	1313.91	8.00	1313.94	0.00	0.00	0.00	
6200.00	90.50	0.35	4941.05	1413.91	8.61	1413.93	0.00	0.00	0.00	
6300.00	90.50	0.35	4940.18	1513.90	9.22	1513.93	0.00	0.00	0.00	
6400.00	90.50	0.35	4939.31	1613.90	9.83	1613.93	0.00	0.00	0.00	
6500.00	90.50	0.35	4938.44	1713.89	10.44	1713.92	0.00	0.00	0.00	
6600.00	90.50	0.35	4937.56	1813.88	11.04	1813.92	0.00	0.00	0.00	
6700.00	90.50	0.35	4936.69	1913.88	11.65	1913.91	0.00	0.00	0.00	
6800.00	90.50	0.35	4935.82	2013.87	12.26	2013.91	0.00	0.00	0.00	
6900.00	90.50	0.35	4934.95	2113.87	12.87	2113.91	0.00	0.00	0.00	
7000.00	90.50	0.35	4934.08	2213.86	13.48	2213.90	0.00	0.00	0.00	
7100.00	90.50	0.35	4933.21	2313.86	14.08	2313.90	0.00	0.00	0.00	
7200.00	90.50	0.35	4932.34	2413.85	14.69	2413.90	0.00	0.00	0.00	
7300.00	90.50	0.35	4931.46	2513.84	15.30	2513.89	0.00	0.00	0.00	
7400.00	90.50	0.35	4930.59	2613.84	15.91	2613.89	0.00	0.00	0.00	
7500.00	90.50	0.35	4929.72	2713.83	16.52	2713.88	0.00	0.00	0.00	
7600.00	90.50	0.35	4928.85	2813.83	17.13	2813.88	0.00	0.00	0.00	
7700.00	90.50	0.35	4927.98	2913.82	17.73	2913.88	0.00	0.00	0.00	
7800.00	90.50	0.35	4927.11	3013.82	18.34	3013.87	0.00	0.00	0.00	
7900.00	90.50	0.35	4926.24	3113.81	18.95	3113.87	0.00	0.00	0.00	
8000.00	90.50	0.35	4925.36	3213.81	19.56	3213.86	0.00	0.00	0.00	
8100.00	90.50	0.35	4924.49	3313.80	20.17	3313.86	0.00	0.00	0.00	
8200.00	90.50	0.35	4923.62	3413.79	20.77	3413.86	0.00	0.00	0.00	
8300.00	90.50	0.35	4922.75	3513.79	21.38	3513.85	0.00	0.00	0.00	
8400.00	90.50	0.35	4921.88	3613.78	21.99	3613.85	0.00	0.00	0.00	
8500.00	90.50	0.35	4921.01	3713.78	22.60	3713.85	0.00	0.00	0.00	
8600.00	90.50	0.35	4920.13	3813.77	23.21	3813.84	0.00	0.00	0.00	
8700.00	90.50	0.35	4919.26	3913.77	23.82	3913.84	0.00	0.00	0.00	
8730.18	90.50	0.35	4919.00	3943.95	24.00	3944.02	0.00	0.00	0.00	
8730.24	90.50	0.35	4919.00	3944.00	24.00	3944.07	3.00	1.22	2.74	

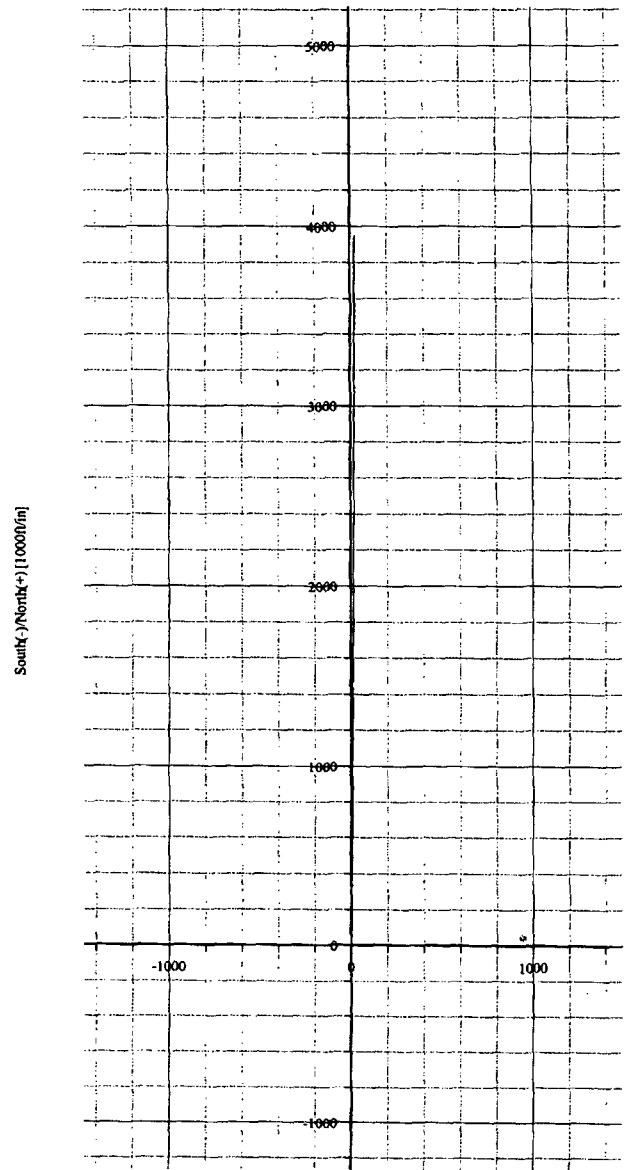
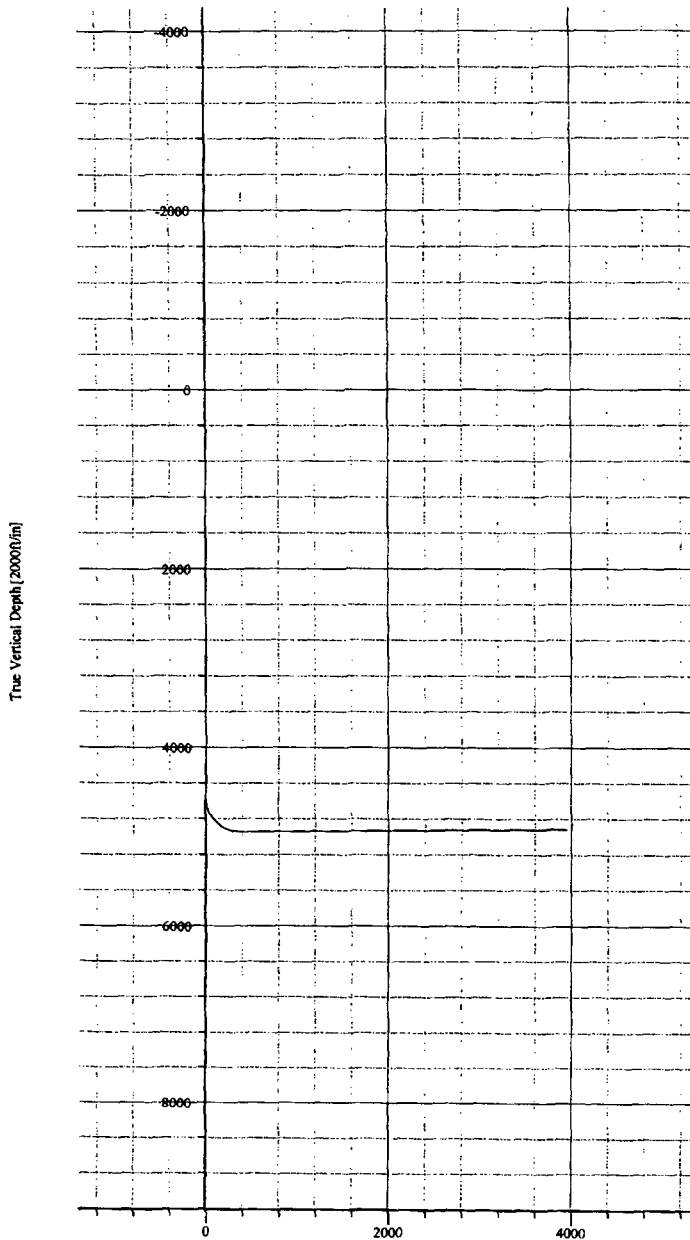
SITE DETAILS

Rio Grande 23 Fed #3H
 Site Centre Northing: 692223.00
 Easting: 429984.00
 Ground Level: 3637.00
 Positional Uncertainty: 0.00
 Convergence: -0.12

WELLPATH DETAILS

Rio Grande 23 Fed #3H

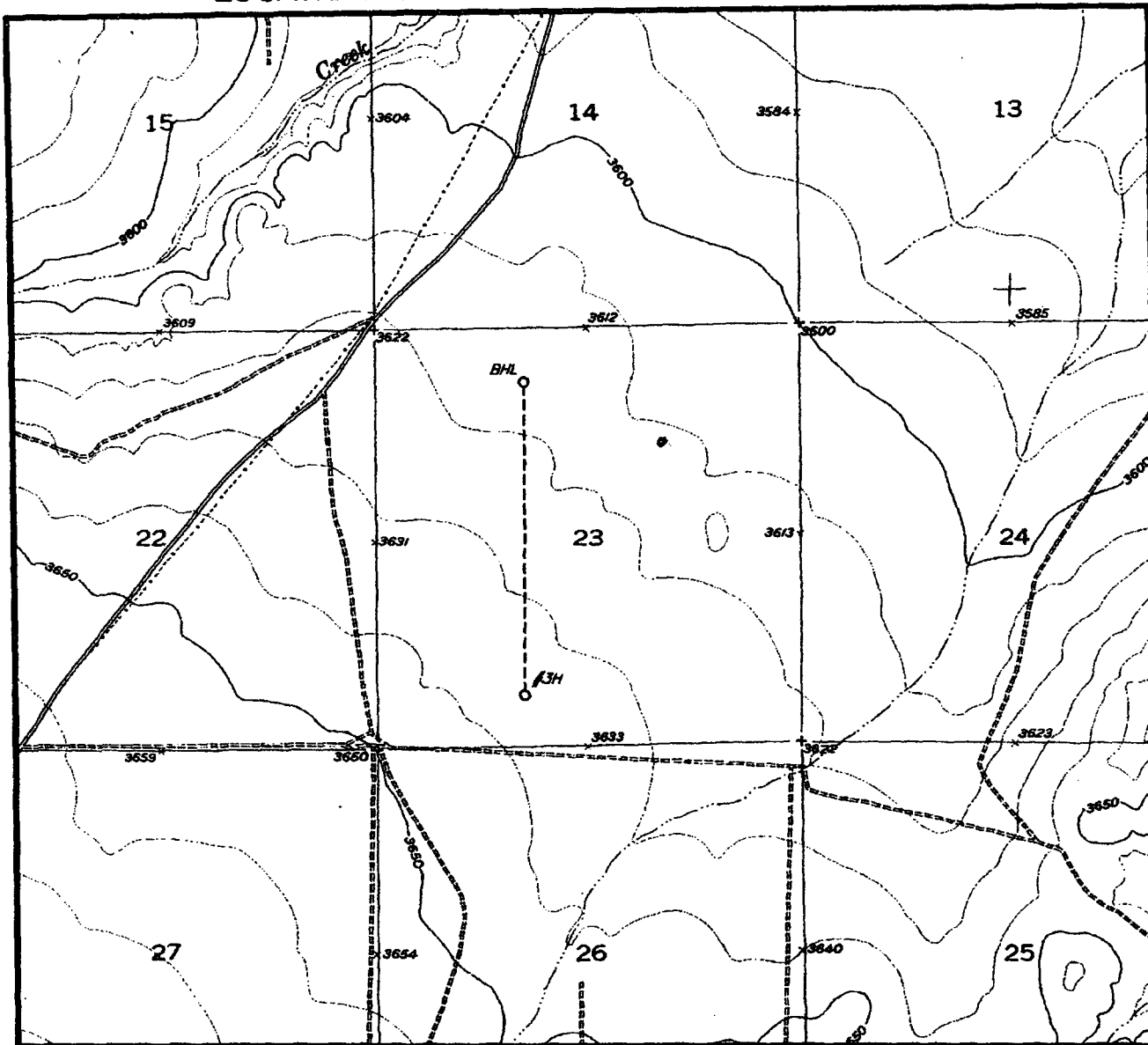
Rig: Ref. Datum:	SITE 3654.00ft		
V. Section Angle	Origin +N/-S	Origin +E/-W	Starting From TVD
0.35°	0.00	0.00	4919.00



Vertical Section at 0.35° [2000ft/in]

West(-)/East(+) [1000ft/in]

LOCATION & ELEVATION VERIFICATION MAP



SCALE : 1" = 2000' CONTOUR INTERVAL 5 FEET

SECTION 23 TWP 16-S RGE 24-E
 SURVEY NEW MEXICO PRINCIPAL MERIDIAN
 COUNTY EDDY STATE NM
 DESCRIPTION 660' FSL & 1880' FWL
 ELEVATION 3637'

OPERATOR EOG RESOURCES INC.
 LEASE RIO GRANDE "23" FED #3H

U.S.G.S. TOPOGRAPHIC MAP
HOPE SE, NEW MEXICO
 LAT. LAT.: N 32.9027916
 LONG. LONG.: W 104.5614578

1307 N. HOBART
 PAMPA, TX. 79065
 (800) 658-6382

6709 N. CLASSEN BLVD.
 OKLAHOMA CITY, OK. 73116
 (800) 654-3219

2903 N. BIG SPRING
 MIDLAND, TX. 79705
 (800) 767-1653

Exhibit 2

-N-

TOPOGRAPHIC LAND SURVEYORS

Surveying & Mapping for the Oil & Gas Industry

This location has been very carefully staked on the ground according to the best official survey records, maps, and other data available to us.

Review this plat and notify us immediately of any possible discrepancy.

SECTION 23, TOWNSHIP 16 SOUTH, RANGE 24 EAST, N.M.P.M. EDDY COUNTY NEW MEXICO

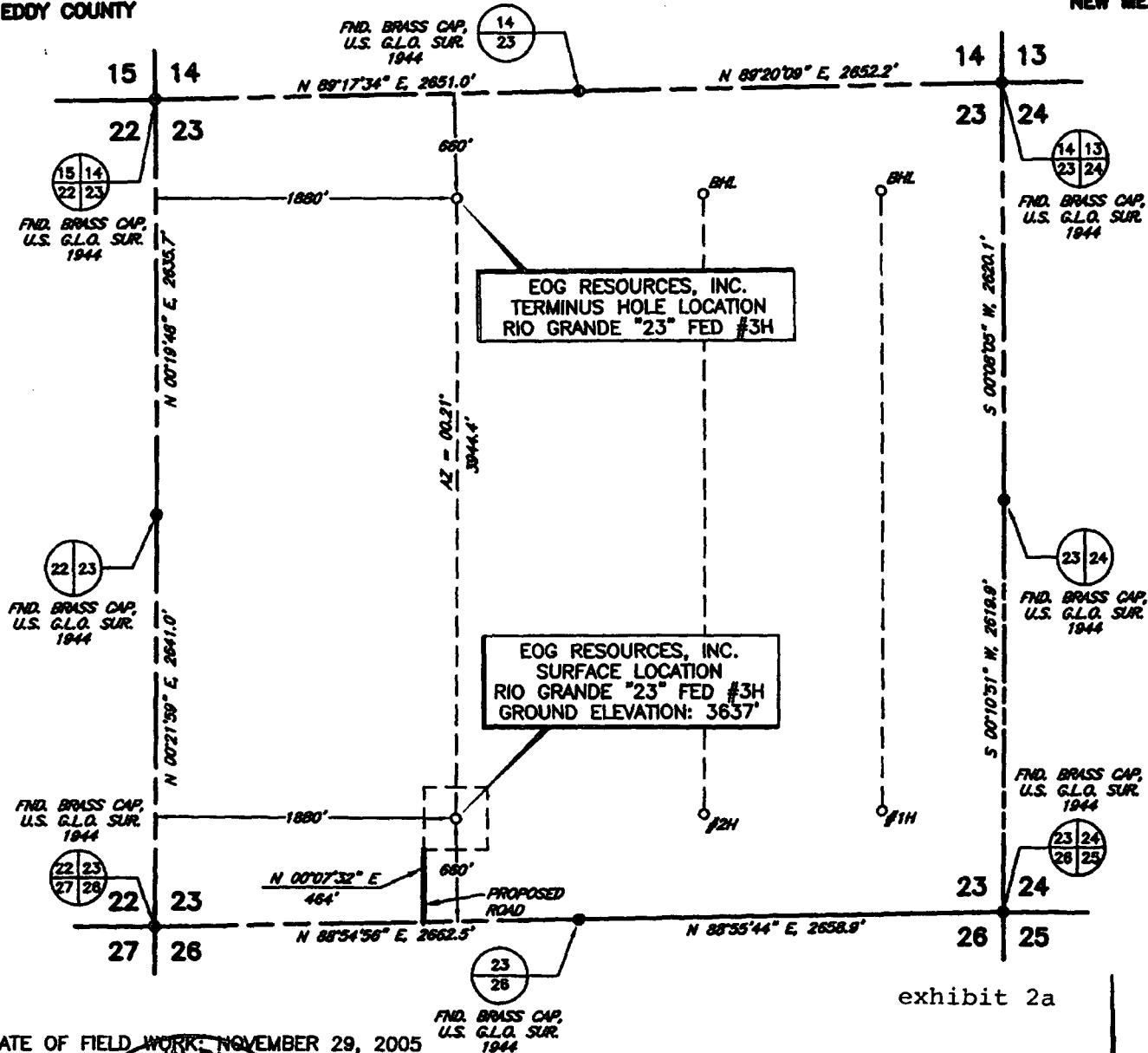


exhibit 2a

DATE OF FIELD WORK: NOVEMBER 29, 2005

I, V. L. BEZNER, A PROFESSIONAL SURVEYOR IN THE STATE OF NEW MEXICO, AND AUTHORIZED AGENT OF TOPOGRAPHIC LAND SURVEYORS, HEREBY CERTIFY THIS PLAT TO BE A TRUE REPRESENTATION OF A SURVEY PERFORMED IN THE FIELD UNDER MY SUPERVISION, THAT I AM RESPONSIBLE FOR THIS SURVEY, THAT THIS SURVEY IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND THAT THIS PLAT AND FIELD SURVEY UPON WHICH IT IS BASED MEET THE MINIMUM STANDARDS FOR SURVEYING IN NEW MEXICO. (RULE 500.6 EASEMENT SURVEYING)

V. L. Bezner
V. L. BEZNER, P.S. NO. 7820

0 1000
1" = 1000'

BEARINGS AND COORDINATES
BASED ON NEW MEXICO
STATE PLANE GRID - EAST
ZONE, NAD 27

EOG RESOURCES, INC.

NO.	REVISION	DATE	BY

SURVEYED BY: R.M.
DRAWN BY: E.U.O.
APPROVED BY: V.L.B.

SURVEYING AND MAPPING BY
TOPOGRAPHIC LAND SURVEYORS
MIDLAND, TEXAS

SCALE: 1" = 1000'

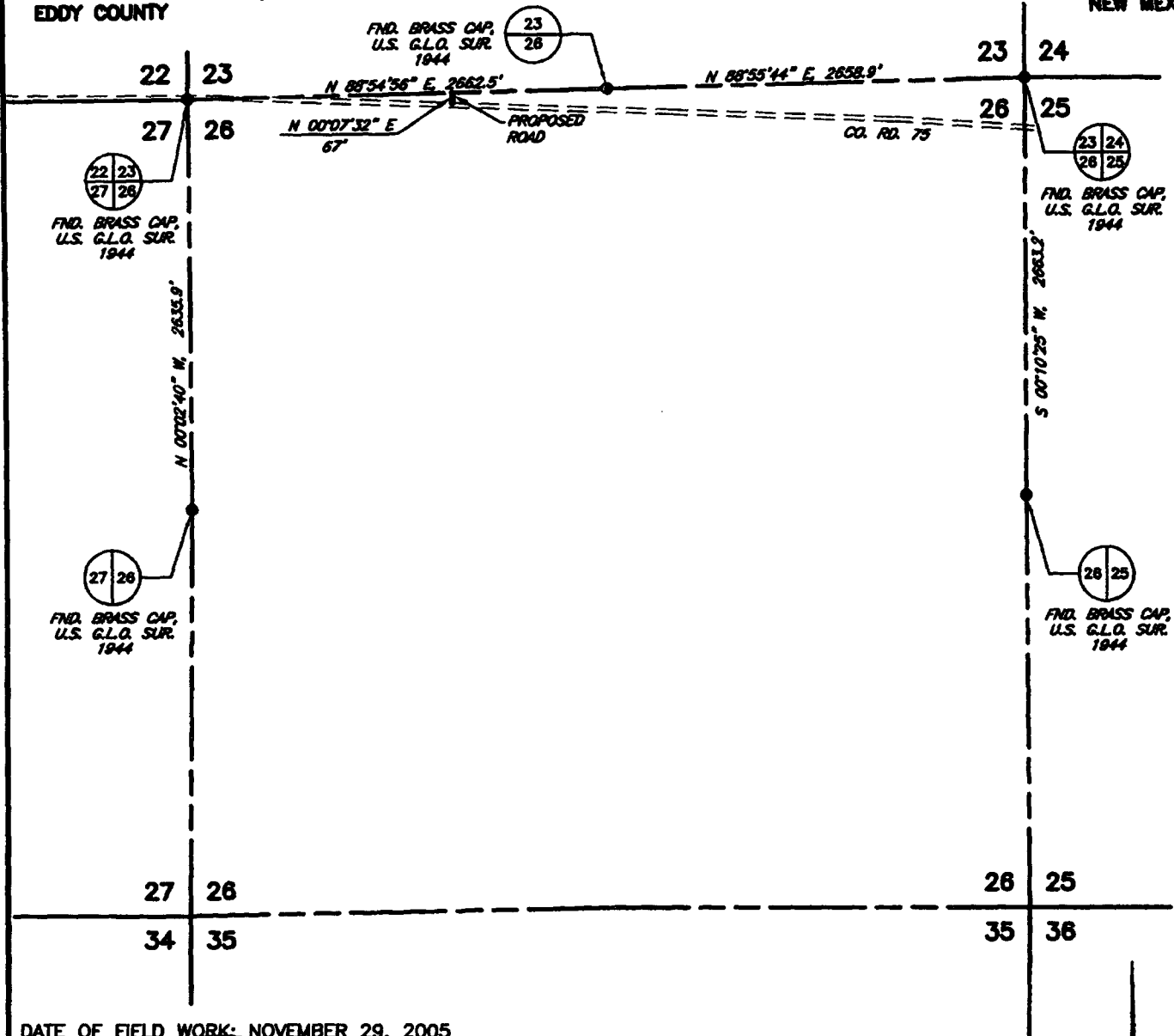
DATE: NOVEMBER 29, 2005

JOB NO.: 108529-F

QUAD NO.: 101 SE

SHEET : 1 OF 2

SECTION 26, TOWNSHIP 16 SOUTH, RANGE 24 EAST, N.M.P.M.
EDDY COUNTY NEW MEXICO

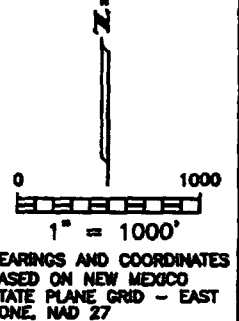


DATE OF FIELD WORK: NOVEMBER 29, 2005

I, V. L. BEZNER, A PROFESSIONAL SURVEYOR IN THE STATE OF NEW MEXICO, AND AUTHORIZED AGENT OF TOPOGRAPHIC LAND SURVEYORS, HEREBY CERTIFY THIS PLAT TO BE A TRUE REPRESENTATION OF A SURVEY PERFORMED IN THE FIELD UNDER MY SUPERVISION, THAT I AM RESPONSIBLE FOR THIS SURVEY, THAT THIS SURVEY IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND THAT THIS PLAT AND FIELD SURVEY UPON WHICH IT IS BASED MEET THE MINIMUM STANDARDS FOR SURVEYING IN NEW MEXICO. (RULE 500.6 BASELINE SURVEYING)

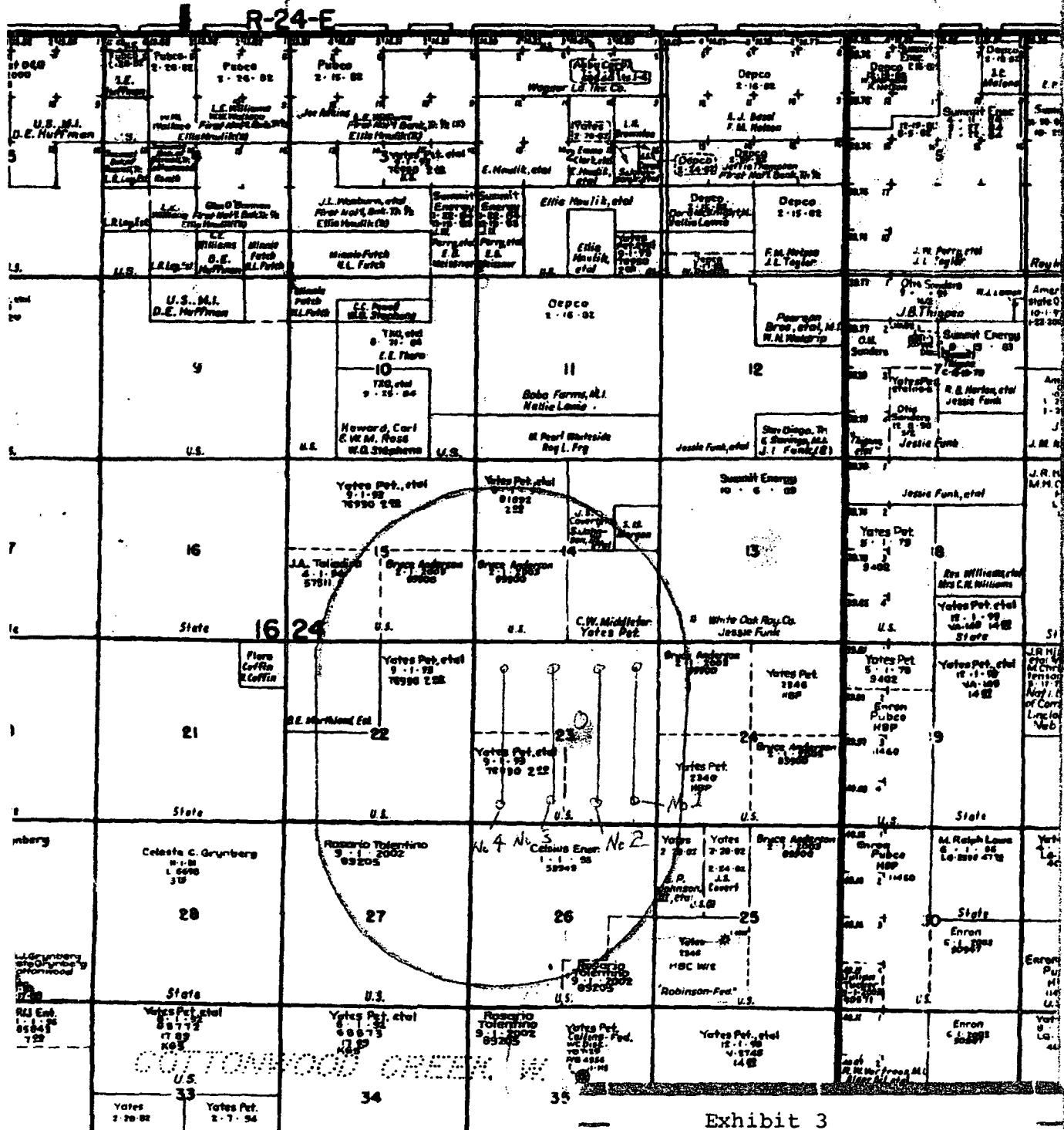
V. L. Bezner
V. L. BEZNER, P.S. NO. 7820

Exhibit 2b



				EOG RESOURCES, INC.	SCALE: 1" = 1000'
					DATE: NOVEMBER 29, 2005
NO.	REVISION	DATE	BY	SURVEYING AND MAPPING BY TOPOGRAPHIC LAND SURVEYORS MIDLAND, TEXAS	JOB NO.: 108529-F2
SURVEYED BY: R.M.					QUAD NO.: 101 SE
DRAWN BY: E.U.O.					
APPROVED BY: V.L.B.					SHEET : 2 OF 2

Rio Grande 23 Fed No.3H



Statement Accepting Responsibility For Operations
Rio Grande 23 Fed. No.3H

Operator Name: EOG Resources, Inc.
Street or Box: P.O. Box 2267
City, State: Midland, TX
Zip Code: 79702

The undersigned accepts all applicable terms, conditions, stipulations, and restrictions concerning operations conducted on the leased land or portion thereof, as described below:

Lease No.: NMNM 108950

Legal Description of Land W/2 Sec.23 T-16-S; R-24-E Eddy Co. NM **Formation(s)**
(if applicable):

Bond Coverage: (State if individually bonded or another's bond) ~~Individually~~ NATIONWIDE.

BLM Bond File No.: NM2308

Authorized Signature:


Mike Francis

Title: Agent

Date 1/27/2006

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OCD-ARTESIA

FORM APPROVED
OM B No. 1004-0137
Expires: March 31, 2007

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE- Other instructions on reverse side.

1. Type of Well

☐ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

EOG RESOURCES, INC.

3a. Address

P.O. Box 2267 Midland, Texas 79702

3b. Phone No. (include area code)

432 686 3642

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

660' FSL & 1880' FWL of Section 23, T16S-R24E, N.M.P.M.

5. Lease Serial No.

NMNM 108950

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

8. Well Name and No.

Rio Grande 23 Federal No. 3H

9. API Well No.

30-015-34591

10. Field and Pool, or Exploratory Area

Undes Cottonwood Creek, WC, West

11. County or Parish, State

Eddy, New Mexico

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
☒ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
☐ Subsequent Report	☒ Alter Casing	☐ Fracture Treat	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☒ Other
	☒ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	Change pipe size on
	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal	BOP Stack

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

EOG Resources, Inc. (EOG) proposes to amend original APD by changing:

- 1). the casing size from 4.5" to 5.5". EOG will circulate cement back to surface.
- 2). Changing pipe size from 13.625" to 11" on the BOP Stack as depicted by Exhibit "A" attached hereto.

RECEIVED

MAY 12 2006

SUN-INT-100M

14. I hereby certify that the foregoing is true and correct
Name (Printed/Typed)

Donny G. Glanton

Title Senior ROW Lease Operations Representative

Signature

Date

5/4/06

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

(ORIG. SGD.) ALEXIS C. SWOBODA

PETROLEUM ENGINEER

Date

MAY 09 2006

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OCD-ARTESIA

FORM APPROVED
OMB NO. 1004-0137
Expires March 31, 2007

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE - Other instructions on reverse side

RECEIVED

MAY 25 2006

OCD-ARTESIA

1. Type of Well
☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator
BOG Resources Inc.

3a. Address
P.O. Box 2267 Midland, Texas 79702

3b. Phone No. (include area code)
432 686 3689

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
660' FSL & 1880' FWL U/L N
Sec 23, T16S, R24E

5. Lease Serial No.

108950

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

8. Well Name and No.

Rio Grande 23 Fed 3H

9. API Well No.

30-015-34591

10. Field and Pool, or Exploratory Area
Cottonwood Creek; WC, West

11. County or Parish, State

Eddy NM

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☐ Notice of Intent
☒ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

- | | | | |
|---|---|--|---|
| ☐ Acidize | ☐ Deepen | ☐ Production (Start/Resume) | ☐ Water Shut-Off |
| ☐ Alter Casing | ☐ Fracture Treat | ☐ Reclamation | ☐ Well Integrity |
| ☐ Casing Repair | ☐ New Construction | ☐ Recomplete | ☒ Other |
| ☐ Change Plans | ☐ Plug and Abandon | ☐ Temporarily Abandon | Spud & casing |
| ☐ Convert to Injection | ☐ Plug Back | ☐ Water Disposal | |

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomple horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recomple in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the final site is ready for final inspection.)

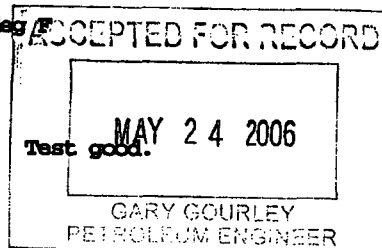
5/11/06 Spud @ 1:00 PM

Ran 20 jts 8 5/8", 32 #, J-55 casing set @ 900'.

Cemented as follows: Option 2 Rule 107G

- Cemented w/ 200 sx Diamond Seal, 9.5 ppg, 7.62 yield; 100 sx Thixset, 14.0 ppg, 1.53 yield; 485 sx Light Premium, 12.4 ppg, 2.04 yield; 370 sx Prem Plus, 14.8 ppg, 1.35 yield.
- Approximate temperature of cement when mixed - 75 deg F
- Estimated minimum formation temperature in zone of interest - 83.0 deg F
- Estimated cement strength at time of casing test - 1080 psi
- Actual time cement in place prior to starting test - 14 hrs

Circulated 175 sx to surface. Tested casing to 1500 psi for 30 min.



14. I hereby certify that the foregoing is true and correct
Name (Printed/Typed)

Stan Wagner

Title

Regulatory Analyst

Date 5/15/06

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C. Section 1001, and Title 43 U.S.C. Section 1212, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OCD-ARTESIA

FORM APPROVED
OMB NO. 1004-0137
Expires March 31, 2007

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE - Other instructions on reverse side

1. Type of Well
☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator
EOG Resources Inc.

3a. Address
P.O. Box 2267 Midland, Texas 79702

3b. Phone No. (include area code)
432 686 3689

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
660' FSL & 1880' FWL U/L N
Sec 23, T16S, R24E

5. Lease Serial No.

NMM 108950

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

8. Well Name and No.

Rio Grande 23 Fed 3H

9. API Well No.

30-015-34591

10. Field and Pool, or Exploratory Area
Cottonwood Creek; WC, West

11. County or Parish, State

Eddy NM

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

☐ Notice of Intent
☒ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
☐ Alter Casing	☐ Fracture Treat	☐ Reclamation	☐ Well Integrity
☐ Casing Repair	☐ New Construction	☐ Recomplete	☒ Other
☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	<u>casing</u>
☐ Convert to Injection	☐ Plug Back	☐ Water Disposal	

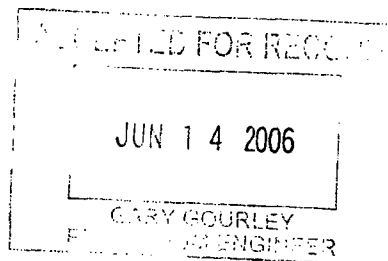
13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleate horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the final site is ready for final inspection.)

5/22/06 TD lateral @ 8267' MD.

5/23/06 Ran 187 jts 5 1/2", 17 #, N-80 casing set @ 8267' MD.

Cemented w/ 550 sx Interfill C, 11.9 ppg, 2.30 yield; 450 sx Acid Soluble Cement, 14.8 ppg, 2.50 yield. Circulated 96 sx to surface.

5/24/06 Released rig.



14. I hereby certify that the foregoing is true and correct
Name (Printed/Typed)

Stan Wagner

Title

Regulatory Analyst

Date 6/6/06

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

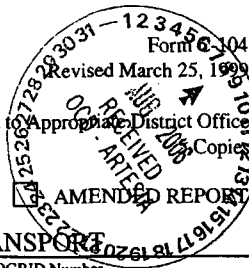
Office

Title 18 U.S.C. Section 1001, and Title 43 U.S.C. Section 1212, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

State of New Mexico
Energy, Minerals & Natural Resources

OIL CONSERVATION DIVISION
2040 South Pacheco
Santa Fe, NM 87505

Submit to Appropriate District Office



District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 South First, Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
2040 South Pacheco, Santa Fe, NM 87505

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

1 Operator name and Address BOG Resources, Inc. P.O. Box 2267 Midland, TX 79702		2 OGRID Number 7377	
3 Reason for Filing Code NW 7/2006			
4 API Number 30-0 15-34591	5 Pool Name Cottonwood Creek; Wolfcamp (Gas) West	6 Pool Code 75260	
7 Property Code 35049	8 Property Name Rio Grande 23 Fed	9 Well Number 3H	

II. Surface Location

UL or lot no.	Section	Township	Range	Lot. Idn	Feet from the	North/South Line	Feet from the	East/West line	County
N	23	16S	24E		660	South	1980	West	Bddy

Bottom Hole Location

UL or lot no.	Section	Township	Range	Lot. Idn	Feet from the	North/South Line	Feet from the	East/West line	County
C	23	16S	24E		818	North	1684	West	Bddy

12 Lse Code F	13 Producing Method Code Flowing	14 Gas Connection Date 7/30/06	15 C-129 Permit Number	16 C-129 Effective Date	17 C-129 Expiration Date
-------------------------	--	--	------------------------	-------------------------	--------------------------

III. Oil and Gas Transporters

18 Transporter OGRID	19 Transporter Name and Address	20 POD	21 O/G	22 POD ULSTR Location and Description
34053	Plains Marketing LP		Oil	
151618	Enterprise Field Services LLC		Gas	

IV. Produced Water

23 POD	24 POD ULSTR Location and Description
--------	---------------------------------------

V. Well Completion Data

25 Spud Date 5/11/06	26 Ready Date 7/30/06	27 TD 8267 M 4620 V	28 PBTD	29 Perforations 5000'-8140'	30 DHC, MC
31 Hole Size 12 1/4	32 Casing & Tubing Size 8 5/8	33 Depth Set 900	34 Sacks Cement 1055 Prem		
7 7/8	5 1/2	8267	550 C, 450 ASC		

VI. Well Test Data

35 Date New Oil	36 Gas Delivery Date 7/30/06	37 Test Date 8/4/06	38 Test Length 24	39 Tbg. Pressure 250	40 Csg. Pressure 560
41 Choke Size Open	42 Oil 0	43 Water 122	44 Gas 1446	45 AOF	46 Test Method Flowing

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

Signature: *Stan Wagner*
Printed name: **Stan Wagner**
Title: **Regulatory Analyst**
Date: **8/7/06**
Phone: **432 686 3689**

OIL CONSERVATION DIVISION
Approved by: **BRYAN G. ARRANT**
DISTRICT II GEOLOGIST

Approval Date: **AUG 08 2006**

48 If this is a change of operator fill in the OGRID number and name of the previous operator

Previous Operator Signature	Printed Name	Title	Date
-----------------------------	--------------	-------	------

DISTRICT I
1625 N. French Dr., Hobbs, NM 88240

DISTRICT II
1301 W. Grand Avenue, Artesia, NM 88210

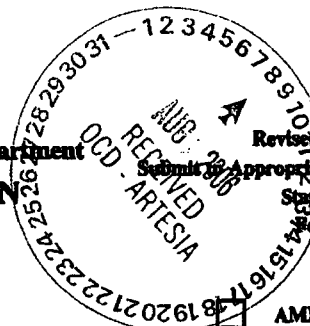
DISTRICT III
1600 Rio Brazos Rd., Aztec, NM 87410

DISTRICT IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals, and Natural Resources Department

OIL CONSERVATION DIVISION

1220 South St. Francis Dr.
Santa Fe, New Mexico 87505



Form C-10

Revised August 15, 200

Submit to Appropriate District Office

State Lease - 4 copie

Fee Lease - 3 copie

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-015-34591	Pool Code 75260	Pool Name Undes Cottonwood Creek Wolfcamp West
Property Code 35049	Property Name RIO GRANDE "23" FED	Well Number 3H
OGRID No. 7377	Operator Name EOG RESOURCES, INC.	Elevation 3637'

Surface Location

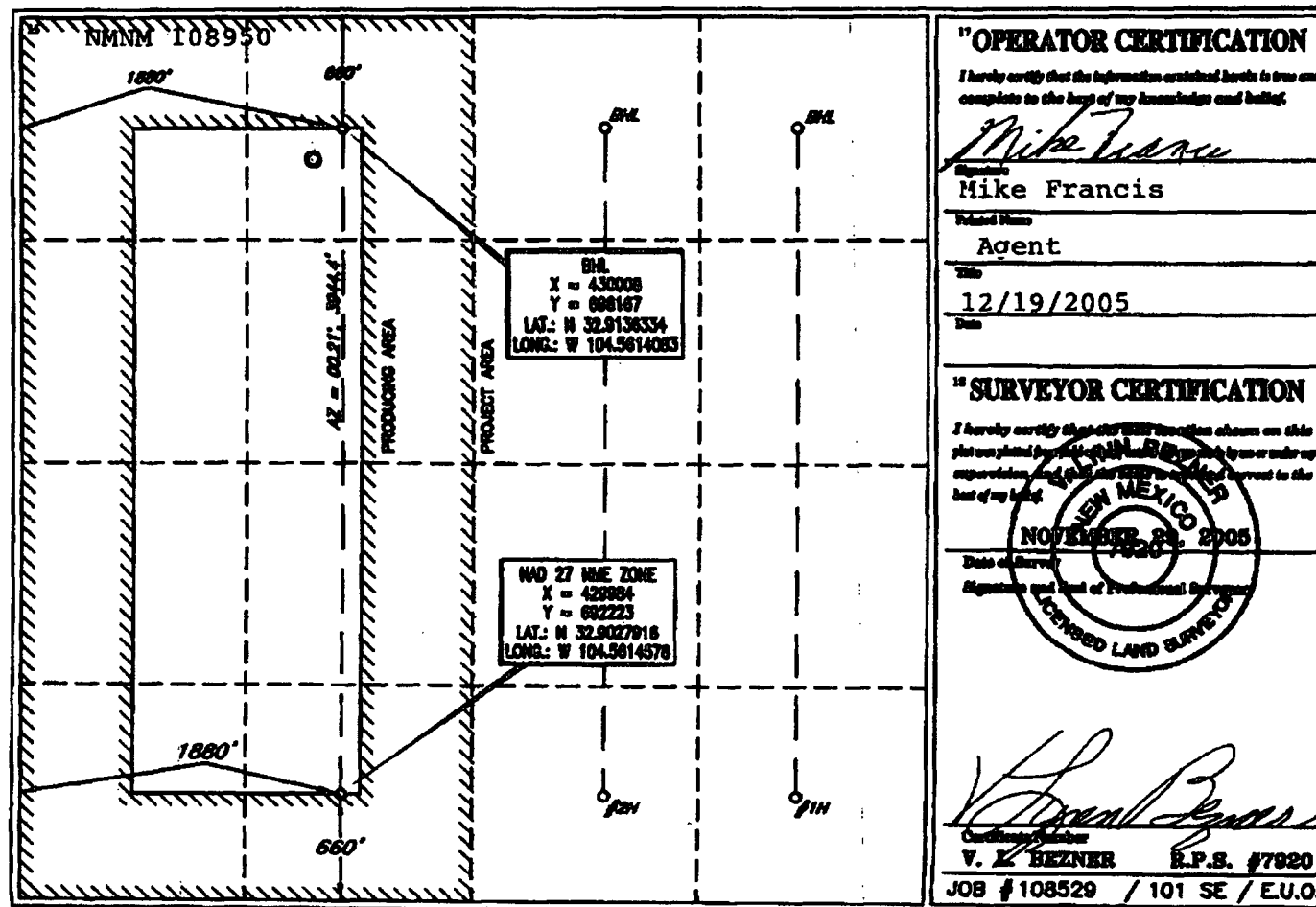
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
N	23	16 SOUTH	24 EAST, N.M.P.M.		660'	SOUTH	1880'	WEST	EDDY

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
C	23	16 SOUTH	24 EAST, N.M.P.M.		818	NORTH	1684	WEST	EDDY

Dedicated Acres 320	Joint or Infill	Consolidation Code	Order No.
------------------------	-----------------	--------------------	-----------

NO ALLOWABLE WELL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION



UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE - Other instructions on reverse side

FORM APPROVED
OMB NO. 1004-0137
Expires March 31, 2008

5. Lease Serial No.

MM 108950

6. If Indian, Allottee or Tribe Name

7. If Unit of GSA/Agreement Name and/or No.

8. Well Name and No.
Rio Grande 23 Fed 3H

9. API Well No.

30-015-34591

10. Field and Pool, or Exploratory Area
Cottonwood Creek; WC, West

11. County or Parish, State

Eddy NM

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

EDG Resources Inc.

3a. Address

P.O. Box 2267 Midland, Texas 79702

3b. Phone No. (include area code)

432 686 3689

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

**660' FSL & 1880' FWL U/L N
Sec 23, T16S, R24E**

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☐ Notice of Intent
☒ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

- | | | | |
|---|---|--|---|
| ☐ Acidize | ☐ Deepen | ☐ Production (Start/Resume) | ☐ Water Shut-Off |
| ☐ Alter Casing | ☐ Fracture Treat | ☐ Reclamation | ☐ Well Integrity |
| ☐ Casing Repair | ☐ New Construction | ☐ Recomplete | ☒ Other <u>completion</u> |
| ☐ Change Plans | ☐ Plug and Abandon | ☐ Temporarily Abandon | |
| ☐ Convert to Injection | ☐ Plug Back | ☐ Water Disposal | |

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the final site is ready for final inspection.)

6/24/06 MIRU & perforate from 8130' to 8140', 0.48", 60 holes.

6/29/06 Frac w/ 6214 bbls slick water; 40370 lbs 30/70 Brown sand; 222500 lbs 20/40 White sand.

6/30/06 Perforate from 7550' to 7900', 0.42", 24 holes.

Pick up to 7200', guns failed to fire. POOH w/ guns, tools stuck. Rig down, open flow to tanks.

7/09/06 RIH and begin fishing operations.

7/13/06 Lay down fish. Full recovery. Shut in.

7/17/06 MIRU. Drill out frac plug @ 7930'. Circulate hole clean. Bottom perforation @ 8140'.

7/18/06 Perforate from 8080' to 8090', 0.38", 60 holes.

7/21/06 Frac w/ 5623 bbls slick water; 63900 lbs 30/70 Brown sand; 242800 lbs 20/40 White sand; 8300 lbs 12/20 Super LC.

Perforate from 6550' to 7300', 0.38", 48 holes.

Frac w/ 5520 bbls slick water; 72200 lbs 30/70 Brown sand; 242000 lbs 20/40 White sand; 12600 lbs 12/20 Super LC.

7/22/06 Perforate from 5400' to 6300', 0.38", 48 holes.

Frac w/ 5540 bbls slick water; 54600 lbs 30/70 Brown sand; 246600 lbs 20/40 White sand; 7200 lbs 12/20 Super LC.

14. I hereby certify that the foregoing is true and correct
Name (Printed/Typed)

Stan Wagner

Title

Regulatory Analyst

Date **8/1/06**

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C. Section 1001, and Title 43 U.S.C. Section 1212, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE - Other instructions on reverse side

1. Type of Well
☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator
EOG Resources Inc.

3a. Address
P.O. Box 2267 Midland, Texas 79702

3b. Phone No. (include area code)
432 686 3689

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
660' FSL & 1880' FWL U/L N
Sec 23, T16S, R24E

FORM APPROVED
OMB NO. 1004-0133
Expires March 31, 2007

5. Lease Serial No.

NMM 108950

6. If Indian, Allottee or Tribe Name

7. If Unit or Agreement, Name and/or No.

8. Well Name and No.

Rio Grande 23 Fed 3H

9. API Well No.

30-015-34591

10. Field and Pool, or Exploratory Area
Cottonwood Creek; WC, West

11. County or Parish, State

Eddy NM

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

☐ Notice of Intent
☒ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
☐ Alter Casing	☐ Fracture Treat	☐ Reclamation	☐ Well Integrity
☐ Casing Repair	☐ New Construction	☐ Recomplete	☒ Other
☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	<u>completion</u>
☐ Convert to Injection	☐ Plug Back	☐ Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the final site is ready for final inspection.)

7/22/06 Perforate from 5000' to 5010', 0.38", 60 holes.
Frac w/ 6987 hbbls slick water; 62400 lbs 30/70 Brown sand; 265500 lbs 20/40 White sand;
12700 lbs 12/20 Super LC.
Flow back to clean up.

7/24/06 MIRR to drill out frac plugs & clean out.

7/26/06 RIH w/ 2 3/8" production tubing set @ 4682'.

7/30/06 Turned to sales.

14. I hereby certify that the foregoing is true and correct
Name (Printed/Typed)

Stan Wagner

Title

Regulatory Analyst

Date 8/1/06

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

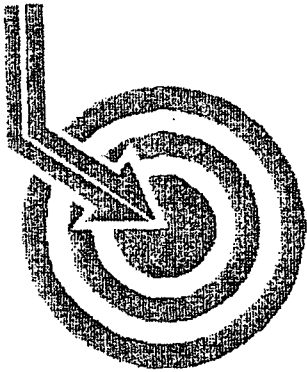
Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C. Section 1001, and Title 43 U.S.C. Section 1212, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.



Scientific Drilling

E.O.G.

Field: Rio Grande
Site: Eddy County, NM
Well: Rio Grande 23 Fed #3
Wellpath: VH - Job #32K0506392
Survey: 05/15/06

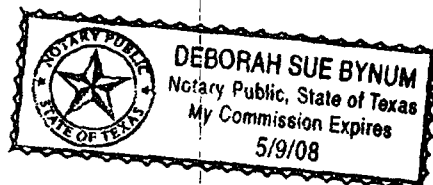
This survey is correct to the best of my knowledge
and is supported by actual field data.

.....*Richard*.....Company Representative

Notorized this date 20th of June, 2006.

Deborah Sue Bynum

Notary Signature
County of Midland
State of Texas





Scientific Drilling International Survey Report

Company: E.O.G.
Field: Rio Grande
Site: Eddy County, NM
Well: Rio Grande 23 Fed #3
Wellpath: VH - Job #32K0506392

Date: 06/20/2006
Co-ordinate(NE) Reference:
Vertical (TVD) Reference:
Section (VS) Reference:
Survey Calculation Method:

Time: 19:21:34 Page: 1
Site: Eddy County, NM, Grid North
SITE 0.0
Well (0.00N,0.00E,0.35Azi)
Minimum Curvature Db: Sybase

Survey: 05/15/06
KSRG 0°-3850°
Company: Scientific Drilling Internatio
Tool: Keeper;Keeper Surface Readout Gyro

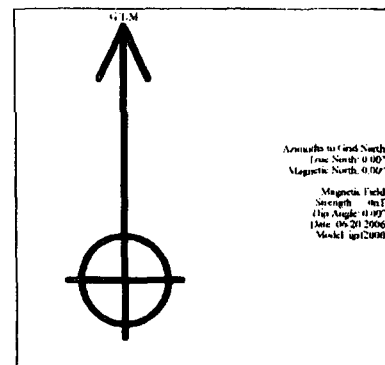
Start Date: 05/15/2006
Engineer: Guebara/Carter w/Signal
Tied-to: From Surface

Survey										
MD ft	Incl deg	Azim deg	TVD ft	VS ft	N/S ft	E/W ft	DLS deg/100ft	ChsD ft	ChsA deg	
0.00	0.00	0.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	0.27	144.29	100.00	-0.19	-0.19	0.14	0.27	0.24	144.29	
200.00	0.46	138.48	200.00	-0.68	-0.68	0.54	0.19	0.87	141.62	
300.00	0.76	140.23	299.99	-1.49	-1.49	1.23	0.30	1.94	140.49	
400.00	1.01	169.59	399.98	-2.86	-2.87	1.82	0.51	3.40	147.69	
500.00	1.46	172.43	499.96	-4.99	-5.00	2.14	0.45	5.44	156.81	
600.00	1.20	163.86	599.93	-7.25	-7.27	2.60	0.33	7.72	160.31	
700.00	1.28	192.73	699.91	-9.35	-9.36	2.65	0.62	9.73	164.22	
800.00	1.38	194.46	799.88	-11.61	-11.62	2.10	0.11	11.81	169.76	
900.00	1.40	195.79	899.85	-13.95	-13.96	1.47	0.04	14.04	174.01	
1000.00	1.01	208.00	999.83	-15.91	-15.91	0.72	0.46	15.93	177.41	
1100.00	1.11	206.02	1099.81	-17.56	-17.56	-0.12	0.11	17.56	180.39	
1200.00	1.08	204.03	1199.79	-19.30	-19.29	-0.93	0.05	19.32	182.75	
1300.00	0.98	211.62	1299.78	-20.89	-20.88	-1.76	0.17	20.96	184.82	
1400.00	1.03	218.19	1399.76	-22.33	-22.32	-2.76	0.13	22.49	187.06	
1500.00	0.93	213.58	1499.75	-23.72	-23.70	-3.77	0.13	24.00	189.03	
1600.00	0.76	208.38	1599.74	-24.99	-24.96	-4.53	0.19	25.37	190.29	
1700.00	0.39	197.46	1699.73	-25.90	-25.87	-4.95	0.38	26.34	190.83	
1800.00	0.29	255.10	1799.73	-26.29	-26.26	-5.30	0.34	26.79	191.40	
1900.00	0.23	271.94	1899.73	-26.35	-26.32	-5.74	0.10	26.94	192.31	
2000.00	0.37	258.28	1999.73	-26.41	-26.38	-6.26	0.16	27.11	193.35	
2100.00	0.40	251.57	2099.73	-26.59	-26.55	-6.91	0.05	27.43	194.58	
2200.00	0.40	233.06	2199.72	-26.92	-26.87	-7.52	0.13	27.90	195.63	
2300.00	0.40	215.89	2299.72	-27.41	-27.36	-8.00	0.12	28.51	196.30	
2400.00	0.18	289.24	2399.72	-27.65	-27.59	-8.35	0.39	28.83	196.84	
2500.00	0.42	278.32	2499.72	-27.54	-27.49	-8.86	0.25	28.88	197.87	
2600.00	0.41	304.65	2599.72	-27.29	-27.23	-9.52	0.19	28.85	199.27	
2700.00	0.41	316.79	2699.71	-26.83	-26.77	-10.06	0.09	28.60	200.60	
2800.00	0.24	265.43	2799.71	-26.59	-26.53	-10.51	0.32	28.53	201.62	
2900.00	0.20	292.89	2899.71	-26.54	-26.47	-10.88	0.11	28.62	202.35	
3000.00	0.18	323.70	2999.71	-26.35	-26.28	-11.14	0.10	28.54	202.97	
3100.00	0.15	99.15	3099.71	-26.24	-26.17	-11.10	0.31	28.43	202.98	
3200.00	0.27	311.95	3199.71	-26.10	-26.04	-11.15	0.40	28.32	203.18	
3300.00	0.13	292.88	3299.71	-25.90	-25.84	-11.43	0.15	28.25	203.86	
3400.00	0.63	133.01	3399.71	-26.23	-26.17	-11.13	0.75	28.43	203.04	
3500.00	0.24	109.02	3499.70	-26.67	-26.61	-10.53	0.42	28.62	201.59	
3600.00	1.02	114.13	3599.70	-27.10	-27.04	-9.52	0.78	28.67	199.39	
3700.00	0.69	130.88	3699.69	-27.85	-27.80	-8.25	0.41	29.00	196.53	
3800.00	0.83	85.25	3799.68	-28.18	-28.13	-7.07	0.60	29.01	194.11	
3850.00	0.35	74.69	3849.68	-28.10	-28.06	-6.57	0.98	28.82	193.17	



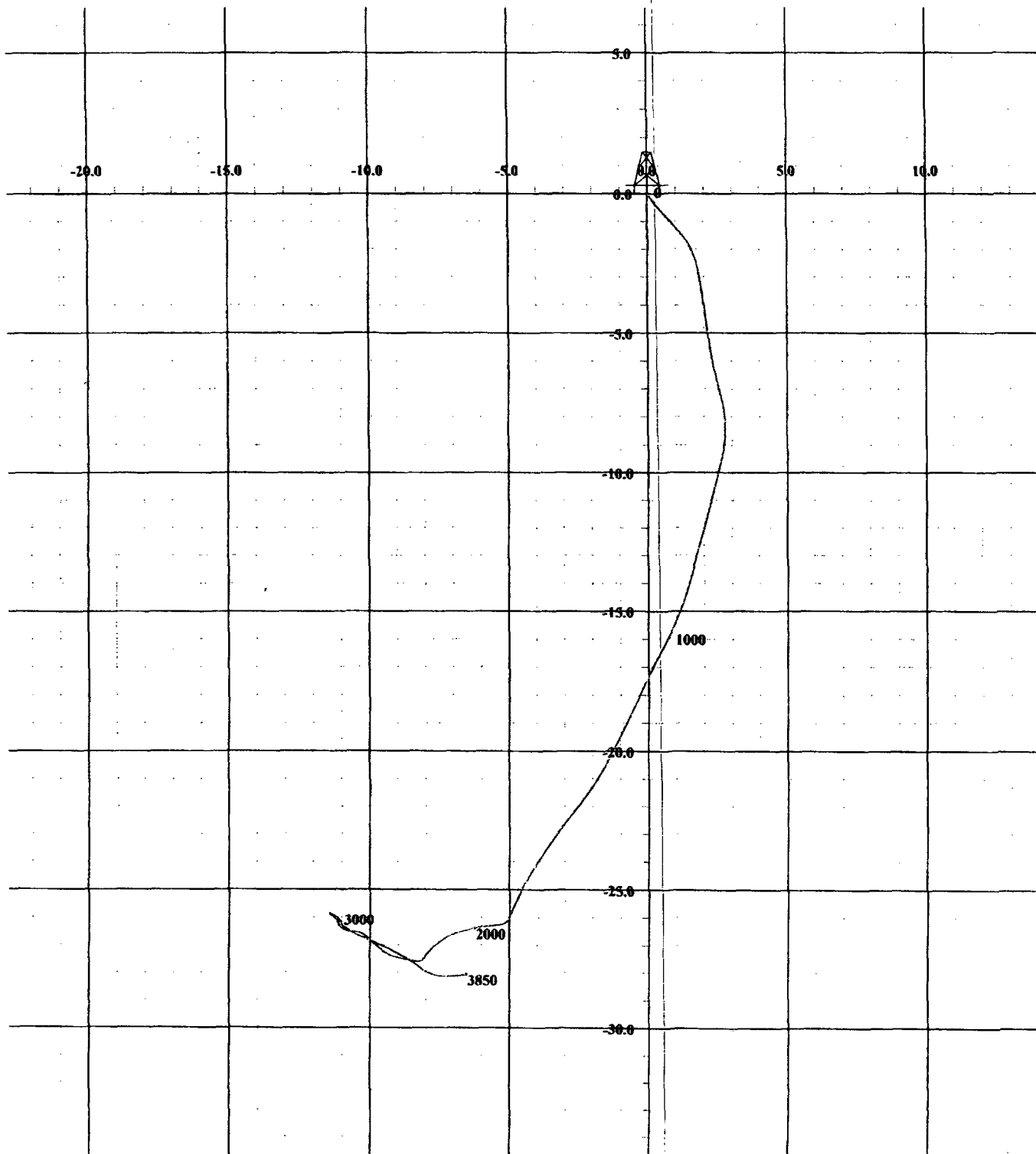
**Scientific
Drilling**

Field: Rio Grande
Site: Eddy County, NM
Well: Rio Grande 23 Fed #3
Wellpath: VH - Job #32K0506392
Survey: 05/15/06



South(-)/North(+) [5ft/in]

West(-)/East(+) [5ft/in]



Pathfinder Energy Services

Survey Report

Calculated using the Minimum Curvature Method
Computed using PDS VER2.2.6
Vertical Section Plane: 0.35 deg.

Page 1
Job No: 101005526
Date: 5/22/2006
Time: 7:25 pm
Wellpath ID: 1005526
Data Created: 5/15/2006
Last Revision: 5/22/2006

Survey Reference: WELLHEAD
Vertical Section Reference: WELLHEAD
Closure Reference: WELLHEAD
TVD Reference: WELLHEAD

EOG Resources
Rio Grande 23 #3H
McVay #4
Eddy Co. N.M.
1005526

Measured Depth (ft)	Incl (deg.)	Drift Dir. (deg.)	TVD (ft)	Course Length (ft)	Vertical Section (ft)	TOTAL Rectangular Offsets (ft)	Closure Dist. Dir. (ft) (deg.)	DLS (dg/100ft)
3850.00	0.35	74.69	3849.67	0.00	-28.10	28.08 S	28.82@193.18	0.00
4003.00	0.70	113.14	4002.66	153.00	-28.34	28.30 S	28.75@190.53	0.31
4089.00	1.32	119.03	4088.65	86.00	-29.01	28.99 S	29.25@187.68	0.73
4121.00	1.41	96.88	4120.64	32.00	-29.24	29.22 S	29.35@186.25	1.66
4152.00	2.90	43.00	4151.62	31.00	-28.70	28.69 S	28.76@184.55	7.62
4183.00	8.24	25.51	4182.52	31.00	-26.60	26.59 S	26.61@182.20	11.55
4215.00	9.50	15.84	4214.22	32.00	-22.48	22.48 S	22.46@178.86	10.96
4246.00	13.01	12.06	4244.61	31.00	-16.60	16.61 S	16.71@173.58	11.58
4278.00	16.62	9.51	4275.55	32.00	-8.55	8.57 S	9.21@158.45	11.46
4309.00	19.98	6.61	4304.98	31.00	1.09	1.08 N	4.84@77.33	11.16
4341.00	23.30	3.18	4334.72	32.00	12.85	12.81 N	14.02@24.01	11.16
4373.00	26.56	0.81	4363.74	32.00	26.32	26.29 N	27.00@13.19	10.65
4404.00	30.16	359.49	4391.01	31.00	41.05	41.01 N	41.47@8.58	11.79
4435.00	33.41	358.79	4417.36	31.00	57.37	57.33 N	57.64@5.90	10.57
4467.00	36.93	358.70	4443.51	32.00	75.79	75.76 N	75.96@4.16	11.00
4498.00	40.36	359.76	4467.72	31.00	95.14	95.11 N	95.26@3.16	11.27
4530.00	43.88	0.11	4491.45	32.00	116.60	116.57 N	116.85@2.57	11.02
4561.00	47.31	359.41	4513.14	31.00	138.74	138.71 N	138.81@2.12	11.18
4592.00	50.83	358.35	4533.45	31.00	162.15	162.13 N	162.19@1.85	11.64
4624.00	54.34	357.03	4552.89	32.00	187.53	187.52 N	187.55@1.11	11.45
4656.00	57.95	357.03	4570.15	31.00	213.23	213.22 N	213.25@0.82	11.65
4687.00	61.64	357.38	4586.25	32.00	240.84	240.84 N	240.84@0.23	11.57
4718.00	65.16	357.47	4600.13	31.00	268.52	268.52 N	268.52@359.94	11.36
4750.00	69.03	357.38	4612.58	32.00	297.96	297.97 N	297.97@359.69	12.10
4791.00	73.25	356.42	4625.83	41.00	336.67	336.70 N	336.72@359.37	10.53
4822.00	76.85	356.59	4633.63	31.00	368.55	366.59 N	366.85@359.13	11.62
4853.00	79.78	357.47	4640.11	31.00	396.85	396.90 N	396.96@358.97	9.79
4885.00	82.83	358.35	4644.95	32.00	428.45	428.51 N	428.56@358.90	9.97
4916.00	88.00	358.62	4647.97	31.00	459.28	459.35 N	459.43@358.87	10.26
4979.00	90.22	358.32	4650.05	63.00	522.21	522.29 N	522.35@368.88	6.79
5042.00	90.66	358.97	4649.56	63.00	585.20	585.28 N	585.36@358.91	0.89
5105.00	90.92	358.97	4648.70	63.00	648.17	648.26 N	648.38@358.91	0.41

Pathfinder Energy Services

Survey Report

Page 2
Date: 5/22/2006
Wellpath ID: 1005526

Measured Depth (ft)	Incl (deg.)	Drift Dir. (deg.)	TVD (ft)	Course Length (ft)	Vertical Section (ft)	TOTAL Rectangular Offsets (ft)	Closure Dist. Dir. (ft) (deg.)	DLS (dg/100ft)
5168.00	88.96	359.32	4648.21	63.00	711.16	711.25 N 13.22W	711.37 @ 358.94	1.62
5231.00	90.57	359.85	4647.92	63.00	774.15	774.25 N 13.68W	774.37 @ 358.99	1.28
5294.00	89.43	0.37	4647.92	63.00	837.15	837.25 N 13.50W	837.36 @ 359.07	1.99
5357.00	87.85	0.46	4649.42	63.00	900.13	900.23 N 13.10W	900.32 @ 359.17	2.51
5419.00	88.37	359.58	4651.46	62.00	962.09	962.19 N 13.08W	962.26 @ 359.22	1.85
5482.90	88.72	358.17	4653.06	63.00	1025.05	1025.16 N 14.31W	1025.25 @ 359.20	2.31
5545.00	90.48	358.26	4653.50	63.00	1088.00	1088.12 N 16.28W	1088.24 @ 359.14	2.80
5608.00	91.71	358.09	4652.30	63.00	1150.94	1151.08 N 18.28W	1151.22 @ 359.09	1.97
5671.00	91.63	358.35	4650.46	63.00	1213.87	1214.02 N 20.24W	1214.19 @ 359.04	0.43
5734.00	90.30	357.56	4649.40	63.00	1276.81	1276.97 N 22.48W	1277.17 @ 358.99	2.46
5860.00	89.98	357.38	4649.11	128.00	1402.65	1402.85 N 28.05W	1403.13 @ 358.85	0.31
5988.00	90.66	356.32	4648.42	128.00	1530.41	1530.65 N 35.08W	1531.06 @ 358.69	0.99
6115.00	90.40	353.43	4647.25	127.00	1656.81	1657.12 N 46.42W	1657.77 @ 358.40	2.28
6240.00	89.78	351.14	4647.06	125.00	1780.66	1780.98 N 63.20W	1782.10 @ 357.97	1.90
6366.00	90.40	353.25	4646.85	128.00	1905.28	1905.81 N 80.31W	1907.50 @ 357.58	1.75
6429.00	90.84	353.52	4646.17	63.00	1967.81	1968.38 N 87.57W	1970.33 @ 357.46	0.82
6493.00	89.34	353.17	4646.07	84.00	2031.33	2031.95 N 94.99W	2034.17 @ 357.32	2.41
6589.00	90.84	354.75	4645.92	96.00	2126.73	2127.41 N 105.09W	2130.00 @ 357.17	2.27
6683.00	92.51	356.42	4643.17	94.00	2220.36	2221.08 N 112.32W	2223.92 @ 357.10	2.51
6778.00	92.07	356.80	4639.38	95.00	2315.02	2315.79 N 118.76W	2318.83 @ 357.06	0.80
6871.00	92.07	356.24	4636.02	93.00	2407.69	2408.50 N 125.21W	2411.76 @ 357.02	0.47
6966.00	89.43	356.15	4634.77	95.00	2502.43	2503.28 N 131.52W	2506.73 @ 356.99	2.78
7059.00	91.01	356.68	4634.42	93.00	2595.21	2596.09 N 137.33W	2599.72 @ 356.97	1.79
7122.00	90.57	355.80	4633.55	63.00	2658.04	2658.95 N 141.46W	2662.71 @ 356.95	1.56
7186.00	90.13	356.63	4633.16	64.00	2721.83	2722.77 N 146.24W	2726.65 @ 356.93	0.74
7280.00	91.63	356.15	4631.71	94.00	2815.53	2816.51 N 152.98W	2820.67 @ 356.89	1.69
7375.00	89.87	354.92	4630.47	95.00	2910.18	2911.21 N 160.37W	2915.63 @ 356.85	2.26
7470.00	92.15	356.51	4628.79	95.00	3004.84	3005.92 N 167.47W	3010.58 @ 356.81	2.93
7565.00	91.28	357.12	4625.95	95.00	3099.62	3100.73 N 172.75W	3105.54 @ 356.81	1.12
7660.00	90.92	357.91	4624.13	95.00	3194.48	3195.62 N 176.87W	3200.61 @ 356.83	0.91
7756.00	89.78	357.91	4623.54	96.00	3290.39	3291.56 N 180.37W	3296.50 @ 356.86	1.19
7850.00	89.69	358.00	4623.98	94.00	3384.31	3385.60 N 183.72W	3390.45 @ 356.89	0.14
7977.00	90.13	358.78	4624.18	127.00	3511.23	3512.44 N 187.29W	3517.43 @ 356.95	0.71
8102.00	91.54	359.32	4622.35	125.00	3636.19	3637.41 N 189.36W	3642.34 @ 357.02	1.21
8208.00	90.13	356.59	4620.81	106.00	3742.07	3743.32 N 193.14W	3748.30 @ 357.05	2.90
PROJECTED TO BIT								
8267.00	90.13	356.59	4620.87	59.00	3800.94	3802.21 N 196.65W	3807.30 @ 357.04	0.00

$$SL = 660' FSL + 1880' FNL$$

$$\begin{array}{r} 660 \\ + 3802 \\ \hline 4462' FSL = 818' FNL \end{array}$$

$$\begin{array}{r} 1880' FNL \\ + 197' well \\ \hline 2077' FNL \end{array}$$

$$\begin{array}{r} 721 \\ 1880' FNL \\ - 197 \\ \hline 1683 \end{array}$$