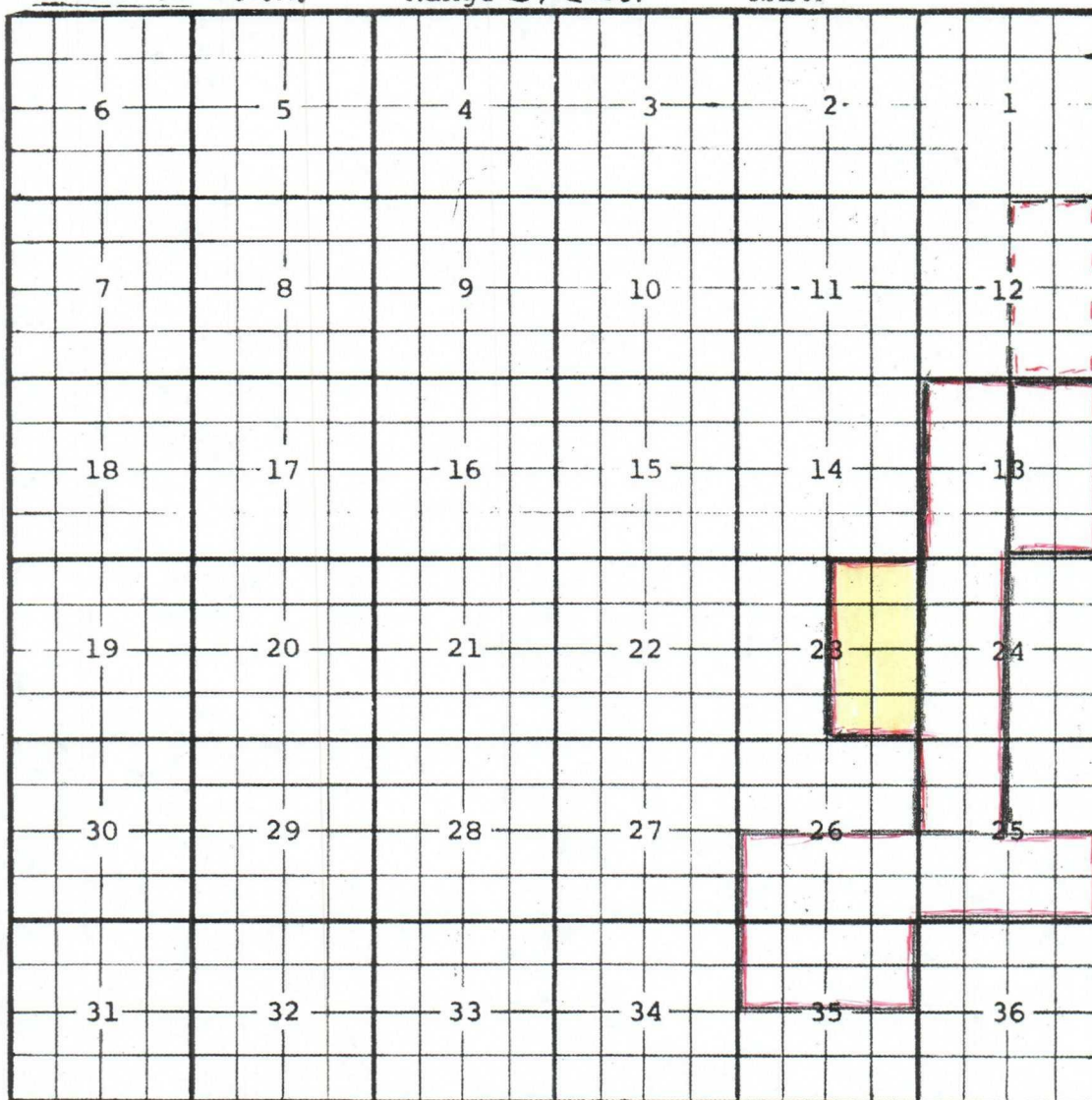


county Eddypool West Cottonwood Creek-Wolfcamp GasTOWNSHIP 16 SouthRange 24 East

NMPM



Description: $\frac{S}{2}$ Sec 25, $\frac{S}{2}$ Sec 26, $\frac{N}{2}$ Sec 35 (R-5609, 1-1-78)

Ext. $\frac{W}{2}$ Sec. 13, $\frac{W}{2}$ Sec. 24, $\frac{NW}{4}$ Sec. 25 (R-12458, 11-21-05)

Ext. $\frac{E}{2}$ Sec. 23 (R-72502, 2-13-06) Ext. $\frac{E}{2}$ Sec. 13 (R-12530, 3-30-06)

Form 3160-3
(August 1999)

N.M. Oil Cons. DIV-Dist. 2
1301 W. Grand Avenue
Artesia, NM 88210

G-05-40

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

APPLICATION FOR PERMIT TO DRILL OR REENTER

1a. Type of Work: ☒ DRILL ☐ REENTER

1b. Type of Well: ☐ Oil Well ☒ Gas Well ☐ Other ☐ Single Zone ☐ Multiple Zone

2. Name of Operator
EOG Resources, Inc.

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

3b. Phone No. (include area code)
(432) 686-3714

4. Location of Well (Report location clearly and in accordance with any State requirements.)

At surface 660' FSL & 760' FEL (U/LP)

At proposed prod. Zone 660' FNL & 760' FEL (U/LA)

14. Distance in miles and direction from nearest town or post office*
4 Mi. NW from Artesia NM

15. Distance from proposed*
location to nearest 660'
property or lease line, ft.
(Also to nearest drlg. Unit line, if any)

16. No. of Acres in lease
1,120

17. Spacing Unit dedicated to this well
320 ac. E/2 Sec 23

18. Distance from proposed location*
to nearest well, drilling, completed na
applied for, on this lease, ft.

19. Proposed Depth
TVD 5200
TMD 9125

20. BLM/BIA Bond No. on file
NM2308

21. Elevations (Show whether DF, KDB, RT, GL, etc)
Gr 3623

22. Approximate date work will start*
6/15/2005

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.

2. A Drilling Plan.

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)

4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above)

5. Operator certification.

6. Such other site specific information and/or plans as may be required by the authorized officer.

25. Signature
Mike Francis
Title Agent

Name (Printed/Typed)
Mike Francis

Date
4/26/2005

Approved by (Signature)
/s/ James Stovall

Name (Printed/Typed)
/s/ James Stovall

Date
AUG 03 2005

Title
FOR 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

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

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 75255	³ Pool Name Unders. Cottonwood Creek Wolfcamp West
⁴ Property Code	⁵ Property Name RIO GRANDE "23" FED	⁶ Well Number 1H
⁷ OGRID No. 7377	⁸ Operator Name BOG RESOURCES, INC.	⁹ Elevation 3623'

AUG 17 2005
OCC-ARTESIA

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
P	23	16 SOUTH	24 EAST, N.M.P.M.		660'	SOUTH	760'	EAST	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
A	23	16 SOUTH	24 EAST, N.M.P.M.		660'	NORTH	760'	EAST	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

¹⁶ Project Area Producing Area	BHL X = 432673 Y = 696199 LAT: N 32.917756 LONG: W 104.5527250 NAD 27 NAD 83 ZONE X = 432662 Y = 692274 LAT: N 32.9169 LONG: W 104.5527338	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 6/22/2005 Date ¹⁸ SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual survey made by me or under my supervision, and that the same is true and correct to the best of my belief. MARCH 9 2005 Date of Survey Signature and Seal of Professional Land Surveyor V. LYNN BEZNER NO. 7920 Professional Land Surveyor Certificate Number V. L. BEZNER R.P.S. #7920 JOB # 101802 / 101 SE / E.U.O.
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DRILLING PROGRAM

EOG RESOURCES, INC.
Rio Grande 23 Fed No. 1H
Eddy Co. NM

1. GEOLOGIC NAME OF SURFACE FORMATION:

Quaternary Alluvium 0-200

2. ESTIMATED TOPS OF IMPORTANT GEOLOGICAL MARKERS:

San Andres	406'
Glorieta	1,727'
Tubb	3,038'
Abo Shale	3,671'
Wolfcamp Pay	4,706'

3. ESTIMATED DEPTHS OF ANTICIPATED FRESH WATER, OIL OR GAS:

Quaternary Alluvium	0- 200'	Fresh Water
San Andres	406'	Oil
Glorieta	1,727'	Oil/Gas
Tubb	3,038'	Oil/Gas
Abo/Wolfcamp Pay	4,732'	Gas

No other Formations are expected to give up oil, gas or fresh water in measurable quantities. Surface fresh water sands will be protected by setting 9-5/8" casing at 900' and circulating cement back to surface.

4. CASING PROGRAM

Hole Size	Interval	OD Casing	Weight	Grade	Jt. Conn. Type	
11"	0-900'	8-5/8"	32#	J-55	LT&C	WITNESS
7-7/8"	0-9125'	5-1/2"	17#	P-110	LT&C	

Cementing Program:

8-5/8" Surface Casing: Cement to surface with 150 sx Prem Plus, 3% Econolite, 2% Calcium Chloride, 0.25#/sx Flocele; 175 sx Prem Plus, 2% Calcium Chloride, 0.25#/sx Flocele

5-1/2" Production Cement w/350sx Interfill C, + .25#/sx Flocele; 400 sx premium Cement, 100% Acid soluble Additive, .6% Halad-344 + .8% Econolite + .2% HR-55. This cement slurry is designed to bring cement to surface

5. MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL:

(SEE EXHIBIT #1)

DRILLING PROGRAM

EOG RESOURCES, INC.
Rio Grande 23 Fed No. 1H
Eddy Co. NM

The blowout preventer equipment (BOP) shown in Exhibit #1 will consist of a double ram-type (5000 psi WP) preventer and an annular preventer (5000-psi WP). Units will be hydraulically operated and the ram-type will be equipped with blind rams on top and drill pipe rams on bottom. All BOP's and accessory equipment will be tested in accordance with Onshore Oil & Gas order No. 2. EOG request authorization to use a 2M system, providing for an annular preventer to be used prior to drilling the surface casing shoe before drilling out of surface casing. Before drilling out of 1st intermediate casing, the ram-type BOP and accessory equipment will be tested to 5000/1000 psi and the annular to 3500/5000-psig pressure.

Pipe rams will be operationally checked each 24-hour period. Blind rams will be operationally checked on each trip out of the hole. These checks will be noted on the daily tour sheets.

6. TYPES AND CHARACTERISTICS OF THE PROPOSED MUD SYSTEM:

The well will be drilled to TD with a combination of brine, cut brine, and polymer mud system. The applicable depths and properties of this system are as follows:

<u>Depth</u>	<u>Type</u>	Wt	Viscosity		Waterloss
		<u>(PPG)</u>	<u>(sec)</u>	<u>(cc)</u>	
0-900'	Fresh Water (Spud Mud)	8.6-8.8	28-34		N/c
900'-4400'	Cut Brine	8.8-9.2	28-34		N/c
4,400'-5,100'	Cut Brine	8.8-9.2	28-34		10-15
4,400'-9,125'	Polymer (Lateral)	9.0-9.4	40-45		10-25

Sufficient mud materials to maintain mud properties and meet minimum lost circulation and weight increase requirements will be kept at the wellsite at all times.

7. AUXILIARY WELL CONTROL AND MONITORING EQUIPMENT:

(A) A kelly cock will be kept in the drill string at all times.

(B) A full opening drill pipe-stabbing valve (inside BOP) with proper drill pipe connections will be on the rig floor at all times.

(C) A mud logging unit complete with H₂S detector will be continuously monitoring drilling penetration rate and hydrocarbon shows from 5000' to TD.

8. LOGGING, TESTING AND CORING PROGRAM:

DRILLING PROGRAM

EOG RESOURCES, INC.
Rio Grande 23 Fed No. 1H
Eddy Co. NM

Electric logging will consist of GR-Dual Laterlog-MSFL and GR-Compensated Density-Neutron from TD to intermediate casing with a GR- Compensated Neutron ran from Intermediate casing to surface..

Possible sidewall cores based on shows.

9. ABNORMAL CONDITIONS, PRESSURES, TEMPERATURES AND POTENTIAL HAZARDS:

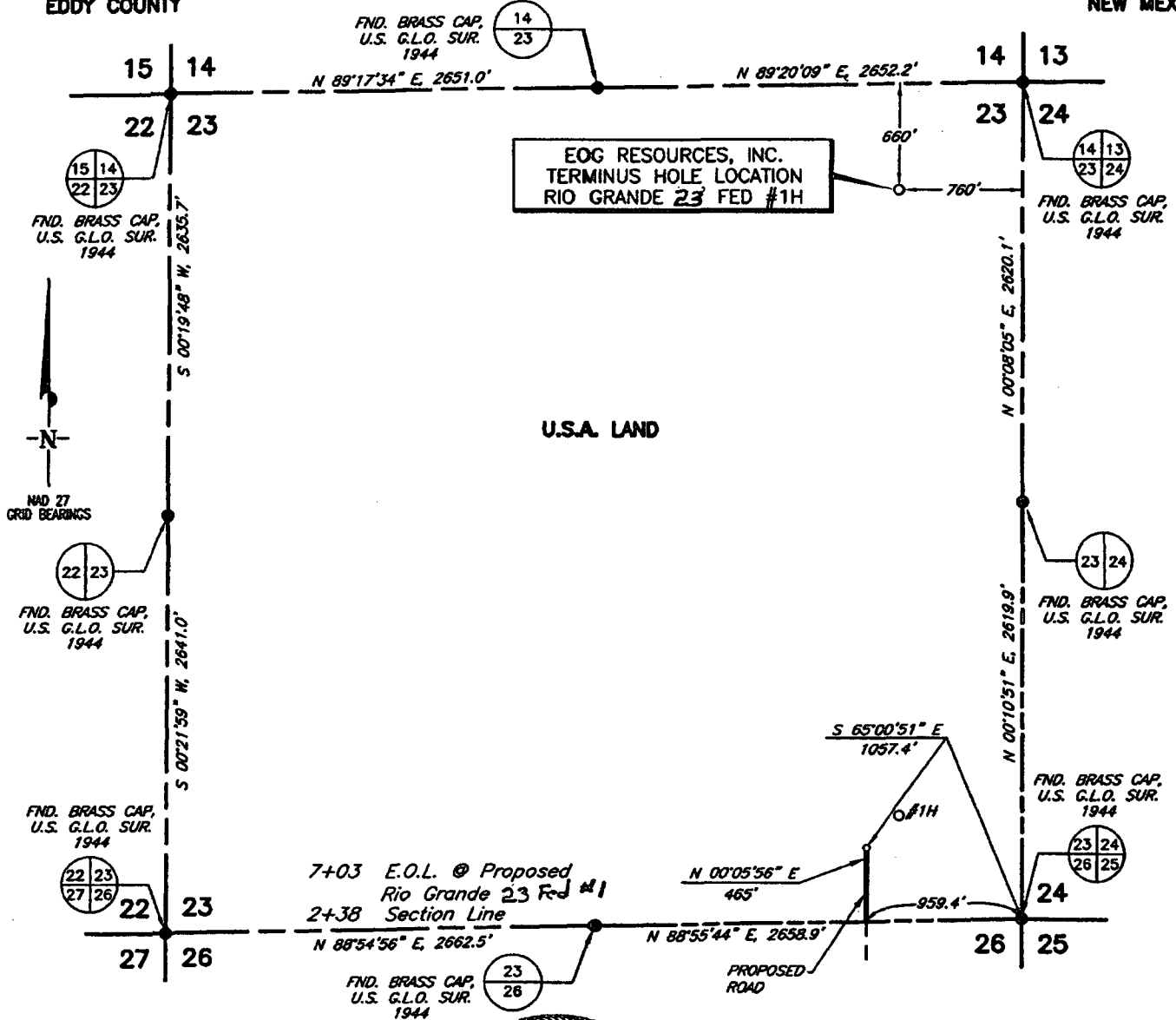
The estimated bottom hole temperature (BHT) at TD is 125 degrees F with an estimated maximum bottom-hole pressure (BHP) at TD of 5000 psig. No hydrogen sulfide or other hazardous gases or fluids have been encountered, reported or are known to exist at this depth in this area. No major loss circulation zones have been reported in offsetting wells.

10. ANTICIPATED STARTING DATE AND DURATION OF OPERATIONS:

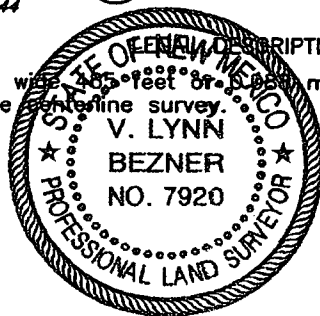
The drilling operation should be finished in approximately one month. If the well is productive, an additional 30-60 days will be required for completion and testing before a decision is made to install permanent facilities.

Exhibit 2a

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



A strip of land 30.0 feet wide, 465.0 feet or 0.0086 miles in length and being 15.0 feet Left and 15.0 feet Right of the above centerline survey.



I HEREBY CERTIFY THAT I DIRECTED AND AM RESPONSIBLE FOR THIS SURVEY, THAT THIS SURVEY IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF, AND THAT THIS SURVEY AND PLAT MEET THE MINIMUM STANDARDS FOR SURVEYING IN NEW MEXICO.

V. Lynn Bezner

EOG RESOURCES, INC.

SURVEYING AND MAPPING BY
TOPOGRAPHIC LAND SURVEYORS
MIDLAND, TEXAS

SCALE: 1" = 1000'

DATE: MARCH 8, 2005

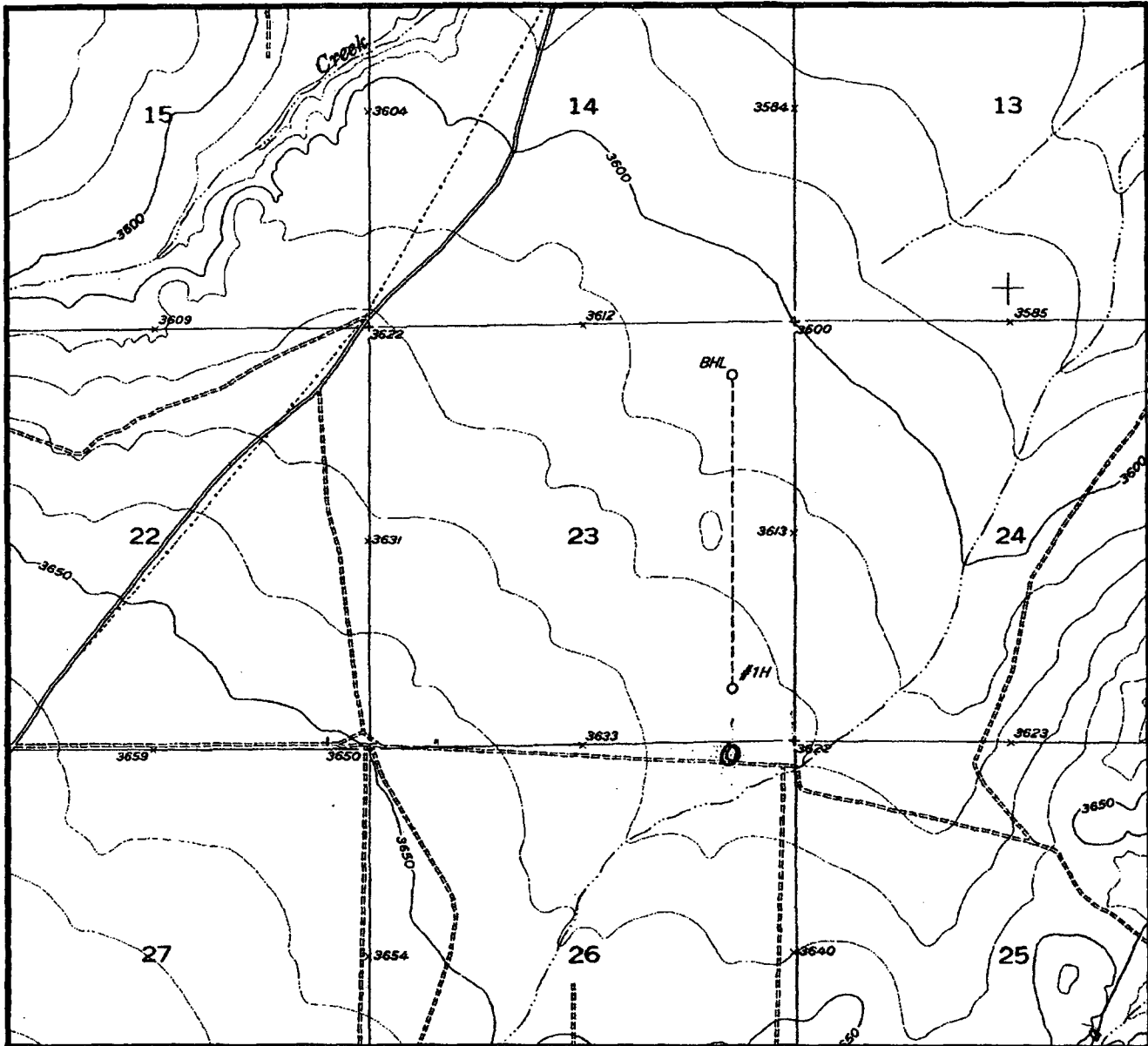
JOB NO.: 101802-RD2

QUAD NO.: 101SE

SHEET : 2 OF 2

NO.	REVISION	DATE	BY
SURVEYED BY: J.T.			
DRAWN BY: E.U.O.			
APPROVED BY: V.L.B.			

LOCATION & ELEVATION VERIFICATION MAP



SCALE : 1" = 2000' CONTOUR INTERVAL 5 FEET

SECTION 23 TWP 17-S RGE 25-E
 SURVEY NEW MEXICO PRINCIPAL MERIDIAN
 COUNTY EDDY STATE NM
 DESCRIPTION 660' FSL & 760' FEL
 ELEVATION 3623'

OPERATOR EOG RESOURCES INC.
 LEASE RIO GRANDE "23" FED #1H

U.S.G.S. TOPOGRAPHIC MAP
HOPE SE, NEW MEXICO

LAT. LAT.: N 32.9029466
 LONG. LONG.: W 104.5527336



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.

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

EOG Resources Inc

Planning Report

Company: EOG Resources		Date: 7/27/2005	Time: 16:23:10	Page: 1
Field: Thames		Co-ordinate(NE) Reference: Site: Rio Grande 23 Fed #1H, Grid North		
Site: Rio Grande 23 Fed #1H		Vertical (TVD) Reference: SITE 3641.0		
Well: Rio Grande 23 Fed #1H		Section (VS) Reference: Well (0.00N 0.00E, 0.16Az)		
Wellpath: Lateral		Plan:	Plan #1	

Field: Thames	
Map System: US State Plane Coordinate System 1927	Map Zone: New Mexico, Eastern Zone
Geo Datum: NAD27 (Clarke 1866)	Coordinate System: Site Centre
Sys Datum: Mean Sea Level	Geomagnetic Model: igf2000

Site: Rio Grande 23 Fed #1H		
Site Position:	Northing: 692274.00 ft	Latitude: 32 54 10.611 N
From: Map	Easting: 432662.00 ft	Longitude: 104 33 9.840 W
Position Uncertainty: 0.00 ft		North Reference: Grid
Ground Level: 3623.00 ft		Grid Convergence: -0.12 deg

Well: Rio Grande 23 Fed #1H	Slot Name:
Well Position:	
+N-S 0.00 ft	Northing: 692274.00 ft
+E-W 0.00 ft	Easting: 432662.00 ft
Position Uncertainty: 0.00 ft	
	Latitude: 32 54 10.611 N
	Longitude: 104 33 9.840 W

Wellpath: Lateral	Drilled From: Surface
Current Datum: SITE	Tie-on Depth: 0.00 ft
Magnetic Data: 7/27/2005	Above System Datum: Mean Sea Level
Field Strength: 49696 nT	Declination: 9.04 deg
Vertical Section: Depth From (TVD)	Mag Dip Angle: 60.88 deg
ft	+N-S
	ft
4900.00	0.00
	0.00
	0.16

Plan: Plan #1	Date Composed: 7/27/2005
Principal: Yes	Version: 1
	Tied-to: From Surface

Plan Section Information										
MD	Incl	Azim	TVD	+N-S	+E-W	DLS	Build	Turn	TFO	Target
ft	deg	deg	ft	ft	ft	deg/100ft	deg/100ft	deg/100ft	deg	
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
4518.00	0.00	0.00	4518.00	0.00	0.00	0.00	0.00	0.00	0.00	
5118.04	90.00	0.16	4900.00	382.00	1.07	15.00	15.00	0.00	0.16	
5118.07	90.00	0.16	4900.00	382.02	1.07	3.00	0.00	3.00	89.93	
8661.04	90.00	0.16	4900.00	3924.98	11.00	0.00	0.00	0.00	0.00	
8661.06	90.00	0.16	4900.00	3925.00	11.00	3.00	0.00	-3.00	-90.07	BHL

Survey										
MD	Incl	Azim	TVD	+N-S	+E-W	VS	DLS	Build	Turn	Tool/Comment
ft	deg	deg	ft	ft	ft	ft	deg/100ft	deg/100ft	deg/100ft	
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
100.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00	Keeper Cone
200.00	0.00	0.00	200.00	0.00	0.00	0.00	0.00	0.00	0.00	Keeper Cone
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	0.00	Keeper Cone
400.00	0.00	0.00	400.00	0.00	0.00	0.00	0.00	0.00	0.00	Keeper Cone
500.00	0.00	0.00	500.00	0.00	0.00	0.00	0.00	0.00	0.00	Keeper Cone
600.00	0.00	0.00	600.00	0.00	0.00	0.00	0.00	0.00	0.00	Keeper Cone
700.00	0.00	0.00	700.00	0.00	0.00	0.00	0.00	0.00	0.00	Keeper Cone
800.00	0.00	0.00	800.00	0.00	0.00	0.00	0.00	0.00	0.00	Keeper Cone
900.00	0.00	0.00	900.00	0.00	0.00	0.00	0.00	0.00	0.00	Keeper Cone
1000.00	0.00	0.00	1000.00	0.00	0.00	0.00	0.00	0.00	0.00	Keeper Cone
1100.00	0.00	0.00	1100.00	0.00	0.00	0.00	0.00	0.00	0.00	Keeper Cone
1200.00	0.00	0.00	1200.00	0.00	0.00	0.00	0.00	0.00	0.00	Keeper Cone
1300.00	0.00	0.00	1300.00	0.00	0.00	0.00				

EOG Resources Inc

Planning Report

Company: EOG Resources	Date: 7/27/2005	Time: 16:23:10	Page: 2
Field: Thames	Co-ordinate(NE) Reference:	Site: Rio Grande 23 Fed #1H, Grid North	
Site: Rio Grande 23 Fed #1H	Vertical (TVD) Reference:	SITE 3641.0	
Well: Rio Grande 23 Fed #1H	Section (VS) Reference:	Well (0.00N:0.00E:0.16Azi)	
Wellpath: Lateral	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
1500.00	0.00	0.00	1500.00	0.00	0.00	0.00	0.00	0.00	0.00	Keeper Cone
1600.00	0.00	0.00	1600.00	0.00	0.00	0.00	0.00	0.00	0.00	Keeper Cone
1700.00	0.00	0.00	1700.00	0.00	0.00	0.00	0.00	0.00	0.00	Keeper Cone
1800.00	0.00	0.00	1800.00	0.00	0.00	0.00	0.00	0.00	0.00	Keeper Cone
1900.00	0.00	0.00	1900.00	0.00	0.00	0.00	0.00	0.00	0.00	Keeper Cone
2000.00	0.00	0.00	2000.00	0.00	0.00	0.00	0.00	0.00	0.00	Keeper Cone
2100.00	0.00	0.00	2100.00	0.00	0.00	0.00	0.00	0.00	0.00	Keeper Cone
2200.00	0.00	0.00	2200.00	0.00	0.00	0.00	0.00	0.00	0.00	Keeper Cone
2300.00	0.00	0.00	2300.00	0.00	0.00	0.00	0.00	0.00	0.00	Keeper Cone
2400.00	0.00	0.00	2400.00	0.00	0.00	0.00	0.00	0.00	0.00	Keeper Cone
2500.00	0.00	0.00	2500.00	0.00	0.00	0.00	0.00	0.00	0.00	Keeper Cone
2600.00	0.00	0.00	2600.00	0.00	0.00	0.00	0.00	0.00	0.00	Keeper Cone
2700.00	0.00	0.00	2700.00	0.00	0.00	0.00	0.00	0.00	0.00	Keeper Cone
2800.00	0.00	0.00	2800.00	0.00	0.00	0.00	0.00	0.00	0.00	Keeper Cone
2900.00	0.00	0.00	2900.00	0.00	0.00	0.00	0.00	0.00	0.00	Keeper Cone
3000.00	0.00	0.00	3000.00	0.00	0.00	0.00	0.00	0.00	0.00	Keeper Cone
3100.00	0.00	0.00	3100.00	0.00	0.00	0.00	0.00	0.00	0.00	Keeper Cone
3200.00	0.00	0.00	3200.00	0.00	0.00	0.00	0.00	0.00	0.00	Keeper Cone
3300.00	0.00	0.00	3300.00	0.00	0.00	0.00	0.00	0.00	0.00	Keeper Cone
3400.00	0.00	0.00	3400.00	0.00	0.00	0.00	0.00	0.00	0.00	Keeper Cone
3500.00	0.00	0.00	3500.00	0.00	0.00	0.00	0.00	0.00	0.00	Keeper Cone
3600.00	0.00	0.00	3600.00	0.00	0.00	0.00	0.00	0.00	0.00	Keeper Cone
3700.00	0.00	0.00	3700.00	0.00	0.00	0.00	0.00	0.00	0.00	Keeper Cone
3800.00	0.00	0.00	3800.00	0.00	0.00	0.00	0.00	0.00	0.00	Keeper Cone
3900.00	0.00	0.00	3900.00	0.00	0.00	0.00	0.00	0.00	0.00	Keeper Cone
4000.00	0.00	0.00	4000.00	0.00	0.00	0.00	0.00	0.00	0.00	Keeper Cone
4100.00	0.00	0.00	4100.00	0.00	0.00	0.00	0.00	0.00	0.00	Keeper Cone
4200.00	0.00	0.00	4200.00	0.00	0.00	0.00	0.00	0.00	0.00	Keeper Cone
4300.00	0.00	0.00	4300.00	0.00	0.00	0.00	0.00	0.00	0.00	Keeper Cone
4400.00	0.00	0.00	4400.00	0.00	0.00	0.00	0.00	0.00	0.00	Keeper Cone
4500.00	0.00	0.00	4500.00	0.00	0.00	0.00	0.00	0.00	0.00	Keeper Cone
4518.00	0.00	0.00	4518.00	0.00	0.00	0.00	0.00	0.00	0.00	Keeper Cone
4600.00	12.30	0.16	4599.37	8.77	0.02	8.77	15.00	15.00	0.00	Keeper Cone
4700.00	27.30	0.16	4693.19	42.54	0.12	42.54	15.00	15.00	0.00	Keeper Cone
4800.00	42.30	0.16	4775.08	99.45	0.28	99.45	15.00	15.00	0.00	Keeper Cone
4900.00	57.30	0.16	4839.44	175.60	0.49	175.60	15.00	15.00	0.00	Keeper Cone
5000.00	72.29	0.16	4881.91	265.82	0.74	265.83	15.00	15.00	0.00	Keeper Cone
5100.00	87.29	0.16	4899.57	363.96	1.02	363.96	15.00	15.00	0.00	Keeper Cone
5118.04	90.00	0.16	4900.00	382.00	1.07	382.00	15.00	15.00	0.00	Keeper Cone
5200.00	90.00	0.16	4900.00	463.95	1.30	463.96	0.00	0.00	0.00	Keeper Cone
5300.00	90.00	0.16	4900.00	563.95	1.58	563.96	0.00	0.00	0.00	Keeper Cone
5400.00	90.00	0.16	4900.00	663.95	1.86	663.96	0.00	0.00	0.00	Keeper Cone
5500.00	90.00	0.16	4900.00	763.95	2.14	763.96	0.00	0.00	0.00	Keeper Cone
5600.00	90.00	0.16	4900.00	863.95	2.42	863.96	0.00	0.00	0.00	Keeper Cone
5700.00	90.00	0.16	4900.00	963.95	2.70	963.96	0.00	0.00	0.00	Keeper Cone
5800.00	90.00	0.16	4900.00	1063.95	2.98	1063.96	0.00	0.00	0.00	Keeper Cone
5900.00	90.00	0.16	4900.00	1163.95	3.26	1163.96	0.00	0.00	0.00	Keeper Cone
6000.00	90.00	0.16	4900.00	1263.95	3.54	1263.96	0.00	0.00	0.00	Keeper Cone
6100.00	90.00	0.16	4900.00	1363.95	3.82	1363.96	0.00	0.00	0.00	Keeper Cone
6200.00	90.00	0.16	4900.00	1463.95	4.10	1463.96	0.00	0.00	0.00	Keeper Cone
6300.00	90.00	0.16	4900.00	1563.95	4.38	1563.96	0.00	0.00	0.00	Keeper Cone
6400.00	90.00	0.16	4900.00	1663.95	4.66	1663.96	0.00	0.00	0.00	Keeper Cone
6500.00	90.00	0.16	4900.00	1763.95	4.94	1763.96	0.00	0.00	0.00	Keeper Cone
6600.00	90.00	0.16	4900.00	1863.95	5.22	1863.96	0.00	0.00	0.00	Keeper Cone

EOG Resources Inc

Planning Report

Company: EOG Resources Field: Thames Site: Rio Grande 23 Fed #1H Well: Rio Grande 23 Fed #1H Wellpath: Lateral	Date: 7/27/2005 Co-ordinate(NE) Reference: Site: Rio Grande 23 Fed #1H, Grid North Vertical(TVD) Reference: SITE 3641.0 Section (VS) Reference: Well (0.00N/0.00E/0.16Azi) 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
6700.00	90.00	0.16	4900.00	1963.95	5.50	1963.96	0.00	0.00	0.00	Keeper Cone
6800.00	90.00	0.16	4900.00	2063.95	5.78	2063.96	0.00	0.00	0.00	Keeper Cone
6900.00	90.00	0.16	4900.00	2163.95	6.06	2163.96	0.00	0.00	0.00	Keeper Cone
7000.00	90.00	0.16	4900.00	2263.95	6.34	2263.96	0.00	0.00	0.00	Keeper Cone
7100.00	90.00	0.16	4900.00	2363.95	6.62	2363.96	0.00	0.00	0.00	Keeper Cone
7200.00	90.00	0.16	4900.00	2463.95	6.90	2463.96	0.00	0.00	0.00	Keeper Cone
7300.00	90.00	0.16	4900.00	2563.95	7.18	2563.96	0.00	0.00	0.00	Keeper Cone
7400.00	90.00	0.16	4900.00	2663.95	7.46	2663.96	0.00	0.00	0.00	Keeper Cone
7500.00	90.00	0.16	4900.00	2763.94	7.74	2763.96	0.00	0.00	0.00	Keeper Cone
7600.00	90.00	0.16	4900.00	2863.94	8.03	2863.96	0.00	0.00	0.00	Keeper Cone
7700.00	90.00	0.16	4900.00	2963.94	8.31	2963.96	0.00	0.00	0.00	Keeper Cone
7800.00	90.00	0.16	4900.00	3063.94	8.59	3063.96	0.00	0.00	0.00	Keeper Cone
7900.00	90.00	0.16	4900.00	3163.94	8.87	3163.96	0.00	0.00	0.00	Keeper Cone
8000.00	90.00	0.16	4900.00	3263.94	9.15	3263.96	0.00	0.00	0.00	Keeper Cone
8100.00	90.00	0.16	4900.00	3363.94	9.43	3363.96	0.00	0.00	0.00	Keeper Cone
8200.00	90.00	0.16	4900.00	3463.94	9.71	3463.96	0.00	0.00	0.00	Keeper Cone
8300.00	90.00	0.16	4900.00	3563.94	9.99	3563.96	0.00	0.00	0.00	Keeper Cone
8400.00	90.00	0.16	4900.00	3663.94	10.27	3663.96	0.00	0.00	0.00	Keeper Cone
8500.00	90.00	0.16	4900.00	3763.94	10.55	3763.96	0.00	0.00	0.00	Keeper Cone
8600.00	90.00	0.16	4900.00	3863.94	10.83	3863.96	0.00	0.00	0.00	Keeper Cone
8661.06	90.00	0.16	4900.00	3925.00	11.00	3925.02	0.00	0.00	0.00	Keeper Cone

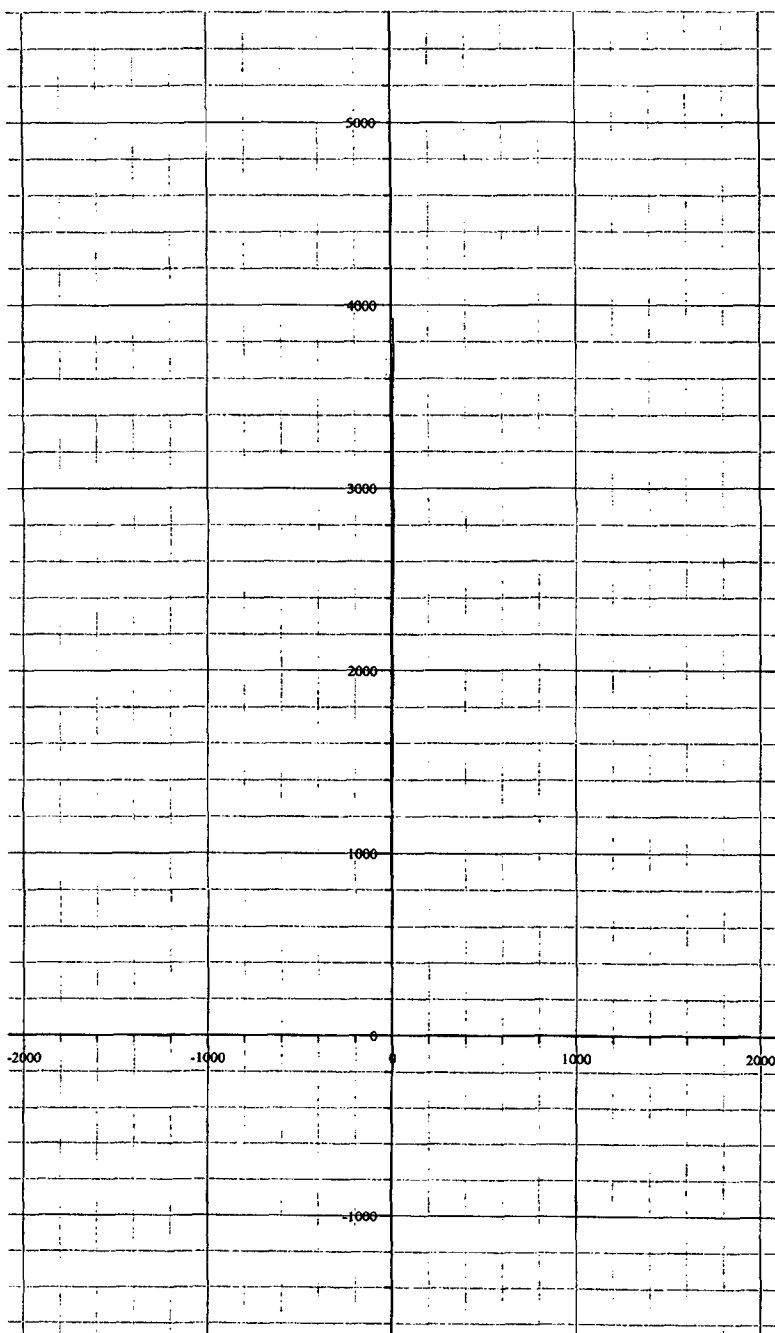
Field: Thames
 Site: Rio Grande 23 Fed #1H
 Well: Rio Grande 23 Fed #1H
 Wellpath: Lateral
 Plan: Plan #1



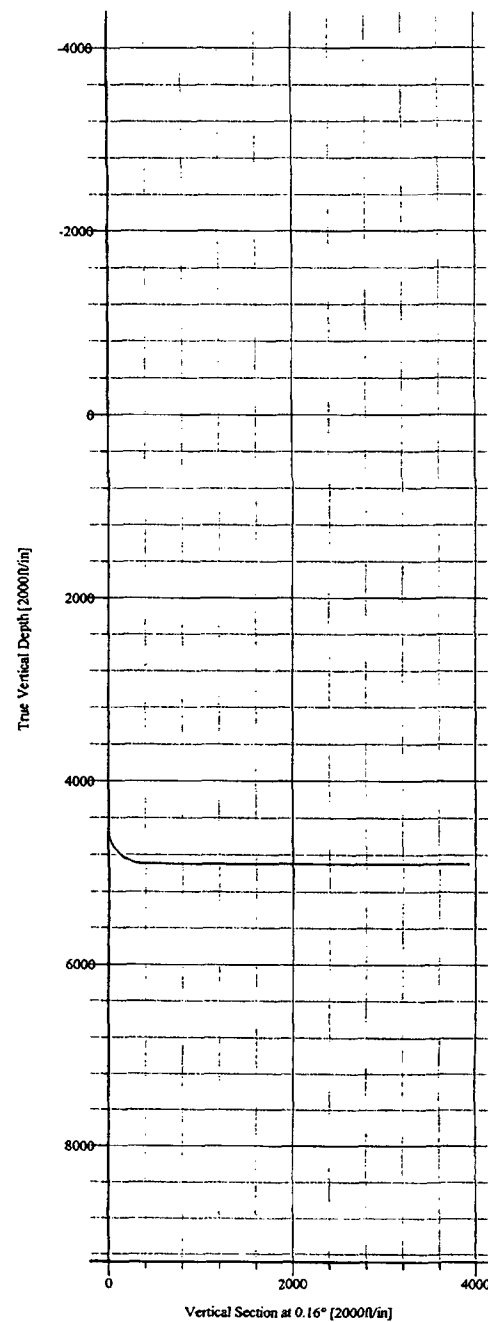
Azimuths to Grid North
 True North: 0.12°
 Magnetic North: 9.16°

Magnetic Field
 Strength: 49696nT
 Dip Angle: 60.88°
 Date: 7/27/2005
 Model: igr2000

South(-)/North(+) [10000/in]



West(-)/East(+) [10000/in]



Vertical Section at 0.16° [20000/in]

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
N.M. Oil Cons. DIV-Dist. 2
1801 W. Grand Avenue
Alresia, NM 88210

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

SEP 23 2005

OCU-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)

SL 660 FSL & 760 FEL U/L P Sec 23, T16S, R24E

BHL 660 FNL & 760 FEL U/L A

5. Lease Serial No.

NMM 108950

6. If Indian, Allottee or Tribe Name

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

Rio Grande 23 Fed

8. Well Name and No.

1

9. API Well No.

30-015-34296

10. Field and Pool, or Exploratory Area

Cottonwood Creek: Wolfcamp

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

☐ Alter Casing

☐ Casing Repair

☐ Change Plans

☐ Convert to Injection

☐ Deepen

☐ Fracture Treat

☐ New Construction

☐ Plug and Abandon

☐ Plug Back

☐ Production (Start/Resume)

☐ Reclamation

☐ Recomplete

☐ Temporarily Abandon

☐ Water Disposal

☐ Water Shut-Off

☐ Well Integrity

☒ Other

Spud & casing

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.)

9/11/05 Spud @ 9:00 AM.

9/12/05 Ran 23 jts 8 5/8", 32 #, J-55 surface casing @ 1019'.

Cemented w/ 200 sx Prem Plus, 9.5 ppg, 7.65 cu.ft./sx lead slurry; 100 sx Prem Plus, 14.0 ppg, 1.525 cu.ft./sx tail slurry; 2nd stage lead slurry 425 sx Light Prem Plus, 12.4 ppg, 2.036 cu.ft./sx; 280 sx Prem Plus, 14.8 ppg, 1.345 cu.ft./sx tail slurry. CIRC 158 sx to surface.

Witnessed by Duncan w/ BLM. WOC 19 hrs.

9/13/05 Tested casing to 2000 psi for 30 min. Test good.

ACCEPTED FOR RECORD

SEP 22 2005

ALEXIS C. SWOBODA
PETROLEUM ENGINEER

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

Stan Wagner

Title

Regulatory Analyst

Date **9/19/05**

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.

C-06-24

Form 3160-3
(August 1999)

OCD-ARTESIA

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

RECEIVED

FEB 03 2006

OCD-ARTESIA

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

BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

1a. Type of Work: ☒ DRILL ☐ REENTER

35049

1b. Type of Well: Oil Well ☐ Gas Well ☒ Other ☐ Single Zone ☐ Multiple Zone

2. Name of Operator

EOG Resources, Inc.

3a. Address

P.O. Box 2267 Midland, TX 79702

3b. Phone No. (Include area code)

(432) 686-3714 75240

4. Location of Well (Report location clearly and in accordance with any State requirements.)

SUBJECT TO LIKE APPROVAL BY STATE

At surface 660' FSL & 1880' FEL (U/L O)

At proposed prod. Zone 660' FNL & 1880' FEL (U/L B)

14. Distance in miles and direction from nearest town or post office*

4 mi. NW from Artesia

15. Distance from proposed* location to nearest property or lease line, ft.

660

(Also to nearest drig. Unit line, if any)

18. Distance from proposed location* to nearest well, drilling, completed applied for, on this lease, ft.

1120'

16. No. of Acres in lease

1,120

17. Spacing Unit dedicated to this well

E/2

19. Proposed Depth

5400'

TMD 8720"

20. BLM/BIA Bond No. on file

NM2308

21. Elevations (Show whether DF, KDB, RT, GL, etc)

Gr 3629

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.

2. A Drilling Plan.

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)

4. Bond to cover the operations unless covered by an existing bond on file (see item 20 above)

5. Operator certification.

6. Such other site specific information and/or plans as may be required by the authorized officer.

25. Signature

Mike Francis

Name (Printed/Typed)

Mike Francis

Date

12/18/2005

Title Agent

Approved by (Signature)

/s/ Joe G. Lara

Name (Printed/Typed)

/s/ Joe G. Lara

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: 8 5/8" P56 CMT SOB

SD Required to Produce - BGA
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 2H
7 OGRID No. 7377		8 Operator Name EOG RESOURCES, INC.			9 Elevation 3629'

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
0	23	16 SOUTH	24 EAST, N.M.P.M.		660'	SOUTH	1880'	EAST	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
B	23	16 SOUTH	24 EAST, N.M.P.M.		660'	NORTH	1880'	EAST	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

16	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> Mike Francis Agent 12/19/2005
	18 SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes by me or under my supervision, and that the same are true and correct to the best of my belief. <i>V. L. Bezner</i> V. L. BEZNER R.P.S. #7920 JOB #108528 / 101 SE / E.U.O.

DRILLING PROGRAM

EOG RESOURCES, INC.
Rio Grande 23 Fed No. 2H
Eddy Co. NM

1. GEOLOGIC NAME OF SURFACE FORMATION:

Quaternary Alluvium 0-200

2. ESTIMATED TOPS OF IMPORTANT GEOLOGICAL MARKERS:

San Andres	406'
Glorieta	1,727'
Tubb	3,038'
Abo Shale	3,671'
Wolfcamp Pay	4,706'

3. ESTIMATED DEPTHS OF ANTICIPATED FRESH WATER, OIL OR GAS:

Quaternary Alluvium	0- 200'	Fresh Water
San Andres	406'	Oil
Glorieta	1,727'	Oil/Gas
Tubb	3,038'	Oil/Gas
Abo/Wolfcamp Pay	4,732'	Gas

No other Formations are expected to give up oil, gas or fresh water in measurable quantities. Surface fresh water sands will be protected by setting 9-5/8" casing at 900' and circulating cement back to surface.

4. CASING PROGRAM

<u>Hole Size</u>	<u>Interval</u>	<u>OD Casing</u>	<u>Weight</u>	<u>Grade</u>	<u>Jt.</u>	<u>Conn.</u>	<u>Type</u>
12 1/4"	0-900'	8-5/8"	32#		J-55	LT&C	
7-7/8"	0-8730'	4-1/2"	11.6/13.5#		P-110	LT&C	

Cementing Program:

8-5/8" Surface Casing: Cement to surface with 150 sx Prem Plus, 3% Econolite, 2% Calcium Chloride, 0.25#/sx Flocele; 175 sx Prem Plus, 2% Calcium Chloride, 0.25#/sx Flocele

4-1/2" Production: Cement w/350sx Interfill C, + .25#/sx Flocele; 400 sx premium Cement, 100% Acid soluble Additive, 6% Halad-344 + 8% Econolite + 2% HR-55. This cement slurry is designed to bring cement to surface

5. MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL:

(SEE EXHIBIT #1)

DRILLING PROGRAM

EOG RESOURCES, INC.
Rio Grande 23 Fed No. 2H
Eddy Co. NM

The blowout preventer equipment (BOP) shown in Exhibit #1 will consist of a double ram-type (5000 psi WP) preventer and an annular preventer (5000-psi WP). Units will be hydraulically operated and the ram-type will be equipped with blind rams on top and drill pipe rams on bottom. All BOP's and accessory equipment will be tested in accordance with Onshore Oil & Gas order No. 2. EOG request authorization to use a 2M system, providing for an annular preventer to be used prior to drilling the surface casing shoe before drilling out of surface casing. Before drilling out of 1st intermediate casing, the ram-type BOP and accessory equipment will be tested to 5000/1000 psi and the annular to 3500/5000-psi pressure.

Pipe rams will be operationally checked each 24-hour period. Blind rams will be operationally checked on each trip out of the hole. These checks will be noted on the daily tour sheets.

6. TYPES AND CHARACTERISTICS OF THE PROPOSED MUD SYSTEM:

The well will be drilled to TD with a combination of brine, cut brine, and polymer mud system. The applicable depths and properties of this system are as follows:

<u>Depth</u>	<u>Type</u>	<u>Wt</u>	<u>Viscosity</u>		<u>Waterloss</u>
		<u>(PPG)</u>	<u>(sec)</u>	<u>(cc)</u>	
0-900'	Fresh Water (Spud Mud)	8.6-8.8	28-34		N/c
900'-4400'	Cut Brine	8.8-9.2	28-34		N/c
4,400'-5,100'	Cut Brine	8.8-9.2	28-34		10-15
4,400'-8720'	Polymer (Lateral)	9.0-9.4	40-45		10-25

Sufficient mud materials to maintain mud properties and meet minimum lost circulation and weight increase requirements will be kept at the wellsite at all times.

7. AUXILIARY WELL CONTROL AND MONITORING EQUIPMENT:

- (A) A kelly cock will be kept in the drill string at all times.
- (B) A full opening drill pipe-stabbing valve (inside BOP) with proper drill pipe connections will be on the rig floor at all times.
- (C) A mud logging unit complete with H₂S detector will be continuously monitoring drilling penetration rate and hydrocarbon shows from 5000' to TD.

8. LOGGING, TESTING AND CORING PROGRAM:

DRILLING PROGRAM

EOG RESOURCES, INC.
Rio Grande 23 Fed No. 2H
Eddy Co. NM

Electric logging will consist of GR-Dual Laterlog-MSFL and GR-Compensated Density-Neutron from TD to intermediate casing with a GR- Compensated Neutron ran from Intermediate casing to surface..

Possible sidewall cores based on shows.

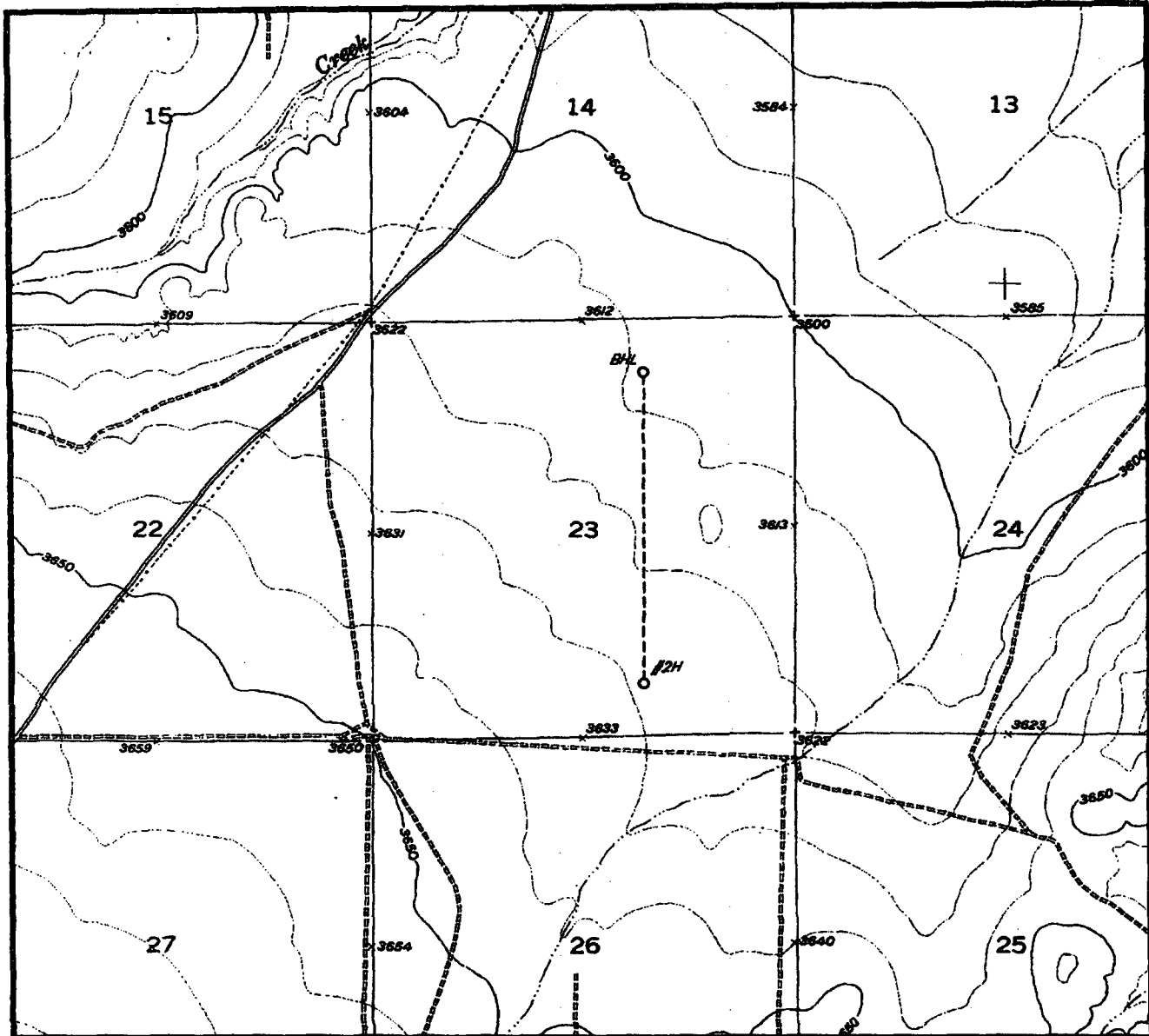
9. ABNORMAL CONDITIONS, PRESSURES, TEMPERATURES AND POTENTIAL HAZARDS:

The estimated bottom hole temperature (BHT) at TD is 125 degrees F with an estimated maximum bottom-hole pressure (BHP) at TD of 5000 psig. No hydrogen sulfide or other hazardous gases or fluids have been encountered, reported or are known to exist at this depth in this area. No major loss circulation zones have been reported in offsetting wells.

10. ANTICIPATED STARTING DATE AND DURATION OF OPERATIONS:

The drilling operation should be finished in approximately one month. If the well is productive, an additional 30-60 days will be required for completion and testing before a decision is made to install permanent facilities.

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' FEL
 ELEVATION 3629'

OPERATOR EOG RESOURCES INC.
 LEASE RIO GRANDE "23" FED #2H

U.S.G.S. TOPOGRAPHIC MAP
HOPE SE, NEW MEXICO
 LAT. LAT.: N 32.9028813
 LONG. LONG.: W 104.5563826

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

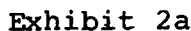
TOPOGRAPHIC LAND SURVEYORS

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 plot and notify us immediately of any possible discrepancy.

EDDY COUNTY

NEW MEXICO

4. V. L. BEZNER, PROFESSIONAL SURVEYOR IN THE
STATE OF NEW MEXICO, THE AUTHORIZED AGENT OF
TOPOGRAPHIC LAND SURVEYS, 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 DATA WHICH IT IS BASED MEET THE MINIMUM
STANDARDS FOR SURVEYS IN NEW MEXICO.
(RULE 500.6 BASEMENT SURVEYING)

V. L. BEZNER, P.S. NO. 7920

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

				EOG RESOURCES, INC. <i>SURVEYING AND MAPPING BY</i> TOPOGRAPHIC LAND SURVEYORS <i>MIDLAND, TEXAS</i>	SCALE: 1" = 1000'
					DATE: NOVEMBER 29, 2005
					JOB NO.: 108528-F
					QUAD NO.: 101 SE
NO.	REVISION	DATE	BY		SHEET : 1 OF 2
SURVEYED BY: R.M.					
DRAWN BY: E.U.O.					
APPROVED BY: V.L.B.					

The map displays a grid of land parcels with various owners and acreage. Key features include:

- Section 16:** Contains parcels owned by Yates Pat. et al (2.1.10, 10950 2.25), J.A. Teller et al (2.1.10, 5750), and C.W. McCallister (Yates Pat. 1.1.10).
- Section 21:** Contains parcels owned by Yates Pat. et al (2.1.10, 10950 2.25) and J.A. Teller et al (2.1.10, 5750).
- Section 24:** Contains parcels owned by Yates Pat. et al (2.1.10, 10950 2.25) and J.A. Teller et al (2.1.10, 5750).
- Section 25:** Contains parcels owned by Yates Pat. et al (2.1.10, 10950 2.25) and J.A. Teller et al (2.1.10, 5750).
- Section 26:** Contains parcels owned by Yates Pat. et al (2.1.10, 10950 2.25) and J.A. Teller et al (2.1.10, 5750).
- Section 27:** Contains parcels owned by Yates Pat. et al (2.1.10, 10950 2.25) and J.A. Teller et al (2.1.10, 5750).
- Section 28:** Contains parcels owned by Yates Pat. et al (2.1.10, 10950 2.25) and J.A. Teller et al (2.1.10, 5750).
- Section 29:** Contains parcels owned by Yates Pat. et al (2.1.10, 10950 2.25) and J.A. Teller et al (2.1.10, 5750).
- Section 30:** Contains parcels owned by Yates Pat. et al (2.1.10, 10950 2.25) and J.A. Teller et al (2.1.10, 5750).
- Section 31:** Contains parcels owned by Yates Pat. et al (2.1.10, 10950 2.25) and J.A. Teller et al (2.1.10, 5750).
- Section 32:** Contains parcels owned by Yates Pat. et al (2.1.10, 10950 2.25) and J.A. Teller et al (2.1.10, 5750).
- Section 33:** Contains parcels owned by Yates Pat. et al (2.1.10, 10950 2.25) and J.A. Teller et al (2.1.10, 5750).
- Section 34:** Contains parcels owned by Yates Pat. et al (2.1.10, 10950 2.25) and J.A. Teller et al (2.1.10, 5750).
- Section 35:** Contains parcels owned by Yates Pat. et al (2.1.10, 10950 2.25) and J.A. Teller et al (2.1.10, 5750).

The map is titled "COTTONWOOD GREEN, W." and is labeled "Exhibit 3".

Exhibit 3

Statement Accepting Responsibility For Operations
Rio Grande 23 Fed. No.2H

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 E/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
(E.A.P.)

BLM Bond File No.: NM2308

Authorized Signature:

Mike Francis
Mike Francis

Title: Agent

Date 1/27/2006

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e Planning Report

Company: eog resources
Field: Thames
Site: Rio Grande 23 Fed #2H
Well: Rio Grande 23 Fed #2H
Wellpath: Rio Grande 23 Fed #2H

Date: 12/13/2005 Time: 15:55:32 Page: 2
Co-ordinate(NE) Reference: Site: Rio Grande 23 Fed #2H, Grid North
Vertical (TVD) Reference: SITE 3644.0
Section (VS) Reference: Well (0.00N 0.00E 0.16Azi)
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	0.16	4575.00	0.06	0.00	0.06	15.00	15.00	0.00	0.00
4600.00	4.80	0.16	4599.96	1.34	0.00	1.34	15.00	15.00	0.00	0.00
4625.00	8.55	0.16	4624.79	4.25	0.01	4.25	15.00	15.00	0.00	0.00
4650.00	12.30	0.16	4649.37	8.77	0.02	8.77	15.00	15.00	0.00	0.00
4675.00	16.05	0.16	4673.61	14.89	0.04	14.89	15.00	15.00	0.00	0.00
4700.00	19.80	0.16	4697.39	22.58	0.06	22.58	15.00	15.00	0.00	0.00
4725.00	23.55	0.16	4720.62	31.81	0.09	31.81	15.00	15.00	0.00	0.00
4750.00	27.30	0.16	4743.19	42.54	0.12	42.55	15.00	15.00	0.00	0.00
4775.00	31.05	0.16	4765.02	54.73	0.15	54.73	15.00	15.00	0.00	0.00
4800.00	34.80	0.16	4786.00	68.32	0.19	68.32	15.00	15.00	0.00	0.00
4825.00	38.55	0.16	4806.04	83.24	0.23	83.25	15.00	15.00	0.00	0.00
4850.00	42.30	0.16	4825.07	99.45	0.28	99.45	15.00	15.00	0.00	0.00
4875.00	46.05	0.16	4843.00	116.87	0.33	116.87	15.00	15.00	0.00	0.00
4900.00	49.80	0.16	4859.75	135.42	0.38	135.43	15.00	15.00	0.00	0.00
4925.00	53.55	0.16	4875.25	155.03	0.43	155.03	15.00	15.00	0.00	0.00
4950.00	57.30	0.16	4889.43	175.61	0.49	175.62	15.00	15.00	0.00	0.00
4975.00	61.05	0.16	4902.24	197.08	0.55	197.08	15.00	15.00	0.00	0.00
5000.00	64.80	0.16	4913.62	219.34	0.61	219.34	15.00	15.00	0.00	0.00
5025.00	68.55	0.16	4923.52	242.29	0.68	242.29	15.00	15.00	0.00	0.00
5050.00	72.30	0.16	4931.89	265.84	0.74	265.84	15.00	15.00	0.00	0.00
5075.00	76.05	0.16	4938.71	289.89	0.81	289.89	15.00	15.00	0.00	0.00
5100.00	79.80	0.16	4943.94	314.33	0.88	314.33	15.00	15.00	0.00	0.00
5125.00	83.55	0.16	4947.55	339.06	0.95	339.06	15.00	15.00	0.00	0.00
5150.00	87.30	0.16	4949.55	363.98	1.02	363.98	15.00	15.00	0.00	0.00
5168.00	90.00	0.16	4949.97	381.97	1.07	381.97	15.00	15.00	0.00	0.00

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e Planning Report

Company: eog resources	Date: 12/13/2005	Time: 15:55:32	Page: 4
Field: Thames	Co-ordinate(NE) Reference: Site: Rio Grande 23 Fed #2H, Grid: North		
Site: Rio Grande 23 Fed #2H	Vertical (TVD) Reference: SITE 3844-0		
Well: Rio Grande 23 Fed #2H	Section (VS) Reference: Well: (0.00N, 0.00E, 0.16Azi)		
Wellpath: Rio Grande 23 Fed #2H	Plan: Plan #1		

Survey

MD ft	Incl deg	Azim deg	TVD ft	+N-S ft	+E-W ft	VS ft	DLS deg/100ft	Bulld 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	0.16	4575.00	0.06	0.00	0.06	15.00	15.00	0.00	
4600.00	4.80	0.16	4599.96	1.34	0.00	1.34	15.00	15.00	0.00	
4625.00	8.55	0.16	4624.79	4.25	0.01	4.25	15.00	15.00	0.00	
4650.00	12.30	0.16	4649.37	8.77	0.02	8.77	15.00	15.00	0.00	
4675.00	16.05	0.16	4673.61	14.89	0.04	14.89	15.00	15.00	0.00	
4700.00	19.80	0.16	4697.39	22.58	0.06	22.58	15.00	15.00	0.00	
4725.00	23.55	0.16	4720.62	31.81	0.09	31.81	15.00	15.00	0.00	
4750.00	27.30	0.16	4743.19	42.54	0.12	42.55	15.00	15.00	0.00	
4775.00	31.05	0.16	4765.02	54.73	0.15	54.73	15.00	15.00	0.00	
4800.00	34.80	0.16	4786.00	68.32	0.19	68.32	15.00	15.00	0.00	
4825.00	38.55	0.16	4806.04	83.24	0.23	83.25	15.00	15.00	0.00	
4850.00	42.30	0.16	4825.07	99.45	0.28	99.45	15.00	15.00	0.00	
4875.00	46.05	0.16	4843.00	116.87	0.33	116.87	15.00	15.00	0.00	
4900.00	49.80	0.16	4859.75	135.42	0.38	135.43	15.00	15.00	0.00	
4925.00	53.55	0.16	4875.25	155.03	0.43	155.03	15.00	15.00	0.00	

e Planning Report

Company: eog resources
Field: Thames
Site: Rio Grande 23 Fed #2H
Well: Rio Grande 23 Fed #2H
Wellpath: Rio Grande 23 Fed #2H

Date: 12/13/2005 Time: 15:55:32 Page: 5
Co-ordinate(NE) Reference: Site: Rio Grande 23 Fed #2H, Grid North
Vertical (TVD) Reference: SITE 3644.0
Section (VS) Reference: Well (0.00N 0.00E, 0.16Azi)
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	0.16	4889.43	175.61	0.49	175.62	15.00	15.00	0.00	
4975.00	61.05	0.16	4902.24	197.08	0.55	197.08	15.00	15.00	0.00	
5000.00	64.80	0.16	4913.62	219.34	0.61	219.34	15.00	15.00	0.00	
5025.00	68.55	0.16	4923.52	242.29	0.68	242.29	15.00	15.00	0.00	
5050.00	72.30	0.16	4931.89	265.84	0.74	265.84	15.00	15.00	0.00	
5075.00	76.05	0.16	4938.71	289.89	0.81	289.89	15.00	15.00	0.00	
5100.00	79.80	0.16	4943.94	314.33	0.88	314.33	15.00	15.00	0.00	
5125.00	83.55	0.16	4947.55	339.06	0.95	339.06	15.00	15.00	0.00	
5150.00	87.30	0.16	4949.55	363.98	1.02	363.98	15.00	15.00	0.00	
5168.00	90.00	0.16	4949.97	381.97	1.07	381.97	15.00	15.00	0.00	
5184.69	90.50	0.16	4949.90	398.66	1.11	398.66	3.00	3.00	0.00	
5200.00	90.50	0.16	4949.77	413.97	1.16	413.97	0.00	0.00	0.00	
5300.00	90.50	0.16	4948.89	513.97	1.44	513.97	0.00	0.00	0.00	
5400.00	90.50	0.16	4948.02	613.96	1.72	613.96	0.00	0.00	0.00	
5500.00	90.50	0.16	4947.14	713.96	2.00	713.96	0.00	0.00	0.00	
5600.00	90.50	0.16	4946.27	813.95	2.27	813.96	0.00	0.00	0.00	
5700.00	90.50	0.16	4945.40	913.95	2.55	913.95	0.00	0.00	0.00	
5800.00	90.50	0.16	4944.52	1013.94	2.83	1013.95	0.00	0.00	0.00	
5900.00	90.50	0.16	4943.65	1113.94	3.11	1113.94	0.00	0.00	0.00	
6000.00	90.50	0.16	4942.77	1213.94	3.39	1213.94	0.00	0.00	0.00	
6100.00	90.50	0.16	4941.90	1313.93	3.67	1313.94	0.00	0.00	0.00	
6200.00	90.50	0.16	4941.03	1413.93	3.95	1413.93	0.00	0.00	0.00	
6300.00	90.50	0.16	4940.15	1513.92	4.23	1513.93	0.00	0.00	0.00	
6400.00	90.50	0.16	4939.28	1613.92	4.51	1613.93	0.00	0.00	0.00	
6500.00	90.50	0.16	4938.40	1713.91	4.79	1713.92	0.00	0.00	0.00	
6600.00	90.50	0.16	4937.53	1813.91	5.07	1813.92	0.00	0.00	0.00	
6700.00	90.50	0.16	4936.66	1913.91	5.35	1913.91	0.00	0.00	0.00	
6800.00	90.50	0.16	4935.78	2013.90	5.63	2013.91	0.00	0.00	0.00	
6900.00	90.50	0.16	4934.91	2113.90	5.91	2113.91	0.00	0.00	0.00	
7000.00	90.50	0.16	4934.03	2213.89	6.19	2213.90	0.00	0.00	0.00	
7100.00	90.50	0.16	4933.16	2313.89	6.47	2313.90	0.00	0.00	0.00	
7200.00	90.50	0.16	4932.29	2413.89	6.75	2413.89	0.00	0.00	0.00	
7300.00	90.50	0.16	4931.41	2513.88	7.03	2513.89	0.00	0.00	0.00	
7400.00	90.50	0.16	4930.54	2613.88	7.31	2613.89	0.00	0.00	0.00	
7500.00	90.50	0.16	4929.66	2713.87	7.59	2713.88	0.00	0.00	0.00	
7600.00	90.50	0.16	4928.79	2813.87	7.87	2813.88	0.00	0.00	0.00	
7700.00	90.50	0.16	4927.92	2913.86	8.15	2913.88	0.00	0.00	0.00	
7800.00	90.50	0.16	4927.04	3013.86	8.43	3013.87	0.00	0.00	0.00	
7900.00	90.50	0.16	4926.17	3113.86	8.71	3113.87	0.00	0.00	0.00	
8000.00	90.50	0.16	4925.29	3213.85	8.99	3213.86	0.00	0.00	0.00	
8100.00	90.50	0.16	4924.42	3313.85	9.27	3313.86	0.00	0.00	0.00	
8200.00	90.50	0.16	4923.55	3413.84	9.55	3413.86	0.00	0.00	0.00	
8300.00	90.50	0.16	4922.67	3513.84	9.83	3513.85	0.00	0.00	0.00	
8400.00	90.50	0.16	4921.80	3613.83	10.10	3613.85	0.00	0.00	0.00	
8500.00	90.50	0.16	4920.92	3713.83	10.38	3713.85	0.00	0.00	0.00	
8600.00	90.50	0.16	4920.05	3813.83	10.66	3813.84	0.00	0.00	0.00	
8700.00	90.50	0.16	4919.18	3913.82	10.94	3913.84	0.00	0.00	0.00	
8720.15	90.50	0.16	4919.00	3933.97	11.00	3933.99	0.00	0.00	0.00	
8720.18	90.50	0.16	4919.00	3934.00	11.00	3934.02	3.00	-2.87	-0.87	

SITE DETAILS

Rio Grande 23 Fed #2H

Site Centre Northing: 692252.00
Easting: 431542.00

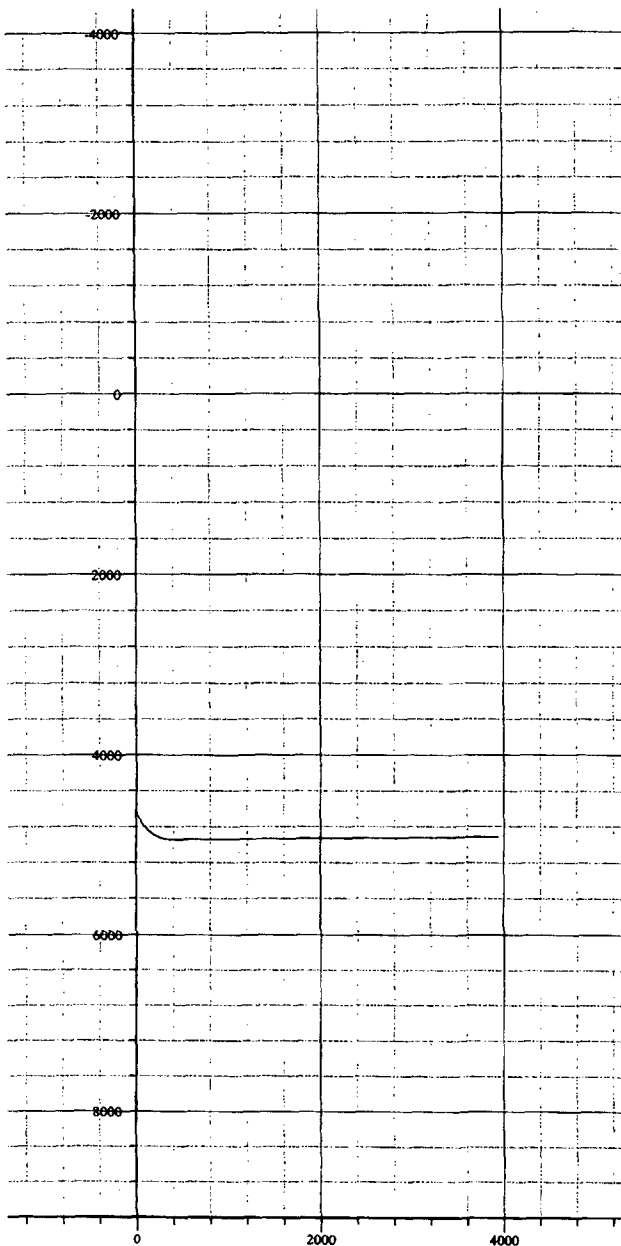
Ground Level: 3629.00
Positional Uncertainty: 0.00
Convergence: -0.12

WELLPATH DETAILS

Rio Grande 23 Fed #2H

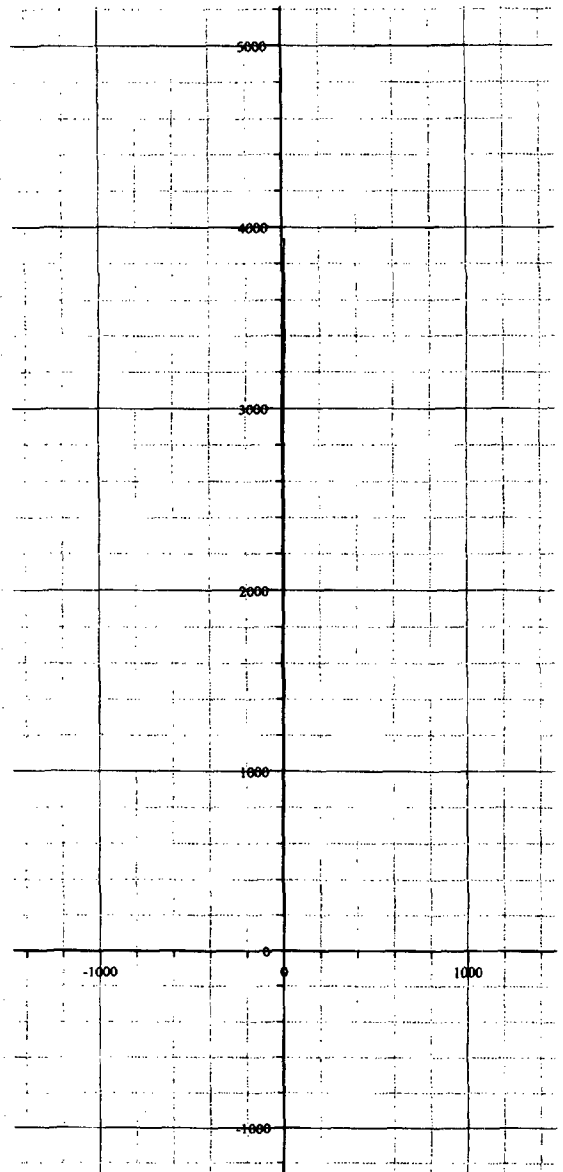
Rig:	SITE			3644.000
Ref. Datum:				
V. Section	Origin	Origin	Starting	
Angle	+N/-S	+E/-W	From TVD	
0.16°	0.00	0.00	4900.00	

True Vertical Depth [2000ft/in]



Vertical Section at 0.16° [2000ft/in]

South(-)/North(+) [1000ft/in]



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

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 3642

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
660' FSL & 1880' FEL 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 FED No. 2H

9. API Well No.

30-015-34590

10. Field and Pool, or Exploratory Area

Undes Cottonwood Creek; Wolfcamp

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 Alter Cement Program
	☒ 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 recomplate 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 recomplate 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.)

SEE EXHIBIT "A" Attached hereto.

RECEIVED

MAR 08 2006

OCD-ARTESIA

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

Donny G. Glanton

Title Senior ROW Lease Operations Representative

Signature

Don G. Glanton

Date

2/28/2006

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

(ORIG. SGD.) ALEXIS C. SWOBODA

PETROLEUM ENGINEER

Title

Date

MAR 06 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)

EXHIBIT A

Permit Information:

Well Name: Rio Grande 23 Fed #2H

Revision 28-Feb-2006

Location:

SL 660' FSL & 1880' FEL, Section 23, T-16-S, R-24-E, Eddy Co., N.M.

BHL 660' FNL & 1880' FEL, Section 23, T-16-S, R-24-E, Eddy Co., N.M.

Casing Program:

Casing	Setting Depth	Hole Size	Casing Size	Casing Weight	Casing Grade	Desired TOC
Surface	900'	12-1/4"	8-5/8"	32#	J-55	Surface
Production	8,720'	7-7/8"	5 1/2"	17#	N-80	Surface

Note: Production casing revised from 4-1/2" to 5-1/2", 17# N-80 (28-Feb-2006)

Cement Program:

Depth	No. Sacks	Slurries:
900'	150	Lead: Premium Plus + 2% CaCl ₂ + 3% Econolite + 1/4 pps Flocele
	175	Tail: Premium Plus + 2% CaCl ₂ + 1/4 pps Flocele
8,720'	400	Lead: Interfill C + 1/4 pps Flocele
	300	Tail: Premium Cement + 100% Acid Soluble Additive + 0.6% Halad®-344 + 0.8% Econolite + 0.2% HR-55

Note: Production casing cement revised from 750 total sks to 700 total sks (28-Feb-2006)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OCD-ARTESIA

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

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SUBMIT IN TRIPLICATE - Other instructions on reverse side

RECEIVED

MAR 29 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 FEL U/L O
Sec 23, T16S, R24E

5. Lease Serial No.

NAM 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 2H

9. API Well No.

30-015-34590

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

11. County or Parish, State

Edgy

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>Spud & casing test</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.)

3/14/06 Spud @ 7:45 PM

3/15/06 Ran 21 jts 8 5/8", 32 #, J-55 casing set @ 923'.

Cemented w/ 200 sx Prem Plus, 9.5 ppg, 7.65 yield; 100 sx Prem Plus + Thinsert, 14.0 ppg, 1.53 yield; 425 sx Halliburton Light Prem Plus, 12.4 ppg, 2.04 yield; 200 sx Prem Plus + 2% CaCl, 14.8 ppg, 1.35 yield. CIRC 300 sx to surface. WOC 36 hrs.

3/17/06 Tested casing to 1000 psi for 30 min. Test good.

ACCEPTED FOR RECORD

MAR 27 2006

ALEXIS C. SWOBODA
PETROLEUM ENGINEER

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

Stan Wagner

Title

Regulatory Analyst

Date 3/21/06

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

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