

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 ☐ Other2 Name of Operator **EOG RESOURCES, INC.**3a Address
P.O. Box 2267 Midland, Texas 797023b. Phone No. (include area code)
432 686 3642

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

480' FSL & 2180' FEL of Section 23, T17S-R30E, N.M.P.M. (SHL)**800' FSL & 1200' FEL " " " " " " (BHL)**

5. Lease Serial No.

LC028992E(SHL);NM2748;LC029338A

6. If Indian, Allottee or Tribe Name

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

8. Well Name and No.

Arnold Deep 23 Federal Com 1

9. API Well No.

30-015-34508

10. Field and Pool, or Exploratory Area

Cedar Lake Morrow

11. County or Parish, State

Eddy

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 Well Name
	☒ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	Change Bottomhole
	☐ 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 recompletion 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 the APD as follows:

1. Change Well Name to: OAK LAKE 23 FED COM 1

~~2. Change bottom hole to: 800' FSL & 1200' FEL of Section 23, T17S-R30E, N.M.P.M., Eddy County, NM.~~~~3. Revise Casing, Cement and Mud Program as described by enclosed documents.~~~~4. Revise drilling plan as described by enclosed documents.~~SEE ATTACHED FOR
CONDITIONS OF APPROVAL14. I hereby certify that the foregoing is true and correct
Name (Printed/Typed)

Donny G. Glanton

Signature

Title Senior Lease Operations ROW Representative

Date

07/06/2007

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

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.

Title

Office

APPROVED

JUL 31 2007

FREDERICK WRIGHT
PETROLEUM ENGINEER

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)

GENERAL INSTRUCTIONS

This form is designed for submitting proposals to perform certain well operations, and reports of such operations when completed, as indicated on Federal and Indian lands pursuant to applicable Federal law and regulations. Any necessary special instructions concerning the use of this

form and the number of copies to be submitted, particularly with regard to local area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from the local Federal office.

SPECIFIC INSTRUCTIONS

Item 4 - Locations on Federal or Indian land should be described in accordance with Federal requirements. Consult the local Federal office for specific instructions.

Item 13 - Proposals to abandon a well and subsequent reports of abandonment should include such special information as is required by the local Federal office. In addition, such proposals and reports should include reasons for the abandonment; data on any former or

present productive zones, or other zones with present significant fluid contents not sealed off by cement or otherwise; depths (top and bottom) and method of placement of cement plugs; mud or other material placed below, between and above plugs; amount, size, method of parting of any casing, liner or tubing pulled and the depth to top of any left in the hole; method of closing top of well and date well site conditioned for final inspection looking to approval of the abandonment.

NOTICES

The Privacy Act of 1974 and the regulation in 43 CFR 2.48(d) provide that you be furnished the following information in connection with information required by this application.

AUTHORITY: 30 U.S.C. 181 et seq., 351 et seq., 25 U.S.C. 396; 43 CFR 3160.

PRINCIPAL PURPOSE: The information is used to: (1) Evaluate, when appropriate, approve applications, and report completion of subsequent well operations, on a Federal or Indian lease; and (2) document for administrative use, information for the management, disposal and use of National Resource lands and resources, such as: (a) evaluating the equipment and procedures to be used during a proposed subsequent well operation and reviewing the completed well operations for compliance with the approved plan; (b) requesting and granting approval to perform those actions covered by 43 CFR 3162.3-2, 3162.3-3, and 3162.3-4; (c) reporting the beginning or resumption of production, as required by 43 CFR 3162.4-1(c) and (d) analyzing future applications to drill or modify operations in light of data obtained and methods used.

ROUTINE USES: Information from the record and/or the record will be transferred to appropriate Federal, State, local or foreign agencies, when relevant to civil, criminal or regulatory investigations or prosecutions in connection with congressional inquiries or to consumer reporting agencies to facilitate collection of debts owed the Government.

EFFECT OF NOT PROVIDING THE INFORMATION: Filing of this notice and report and disclosure of the information is mandatory for those subsequent well operations specified in 43 CFR 3162.3-2, 3162.3-3, 3162.3-4.

The Paperwork Reduction Act of 1995 requires us to inform you that:

BLM collects this information to evaluate proposed and/or completed subsequent well operations on Federal or Indian oil and gas leases.

Response to this request is mandatory.

BLM would like you to know that you do not have to respond to this or any other Federal agency sponsored information collection unless it displays a currently valid OMB control number.

BURDEN HOURS STATEMENT: Public reporting burden for this form is estimated to average 25 minutes per response, including the time for reviewing instructions, gathering and maintaining data, and completing and reviewing the form. Direct comments regarding the burden estimate or any other aspect of this form to U.S. Department of the Interior, Bureau of Land Management (1004-0137), Bureau Information Collection Clearance Officer (WO-630), 1849 C St., N.W., Mail Stop 401 LS, Washington D.C. 20240

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 & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-102
Revised October 12, 2005
Submit to Appropriate District Office
State Lease- 4 Copies
Fee Lease- 3 Copies

☒ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-015-34508	Pool Code 74560	Pool Name CEDAR LAKE; MORROW
Property Code 35347	Property Name OAK LAKE 23 FED. COM	Well Number 1
OGRID No. 7377	Operator Name EOG RESOURCES INC.	Elevation 3652'

Surface Location

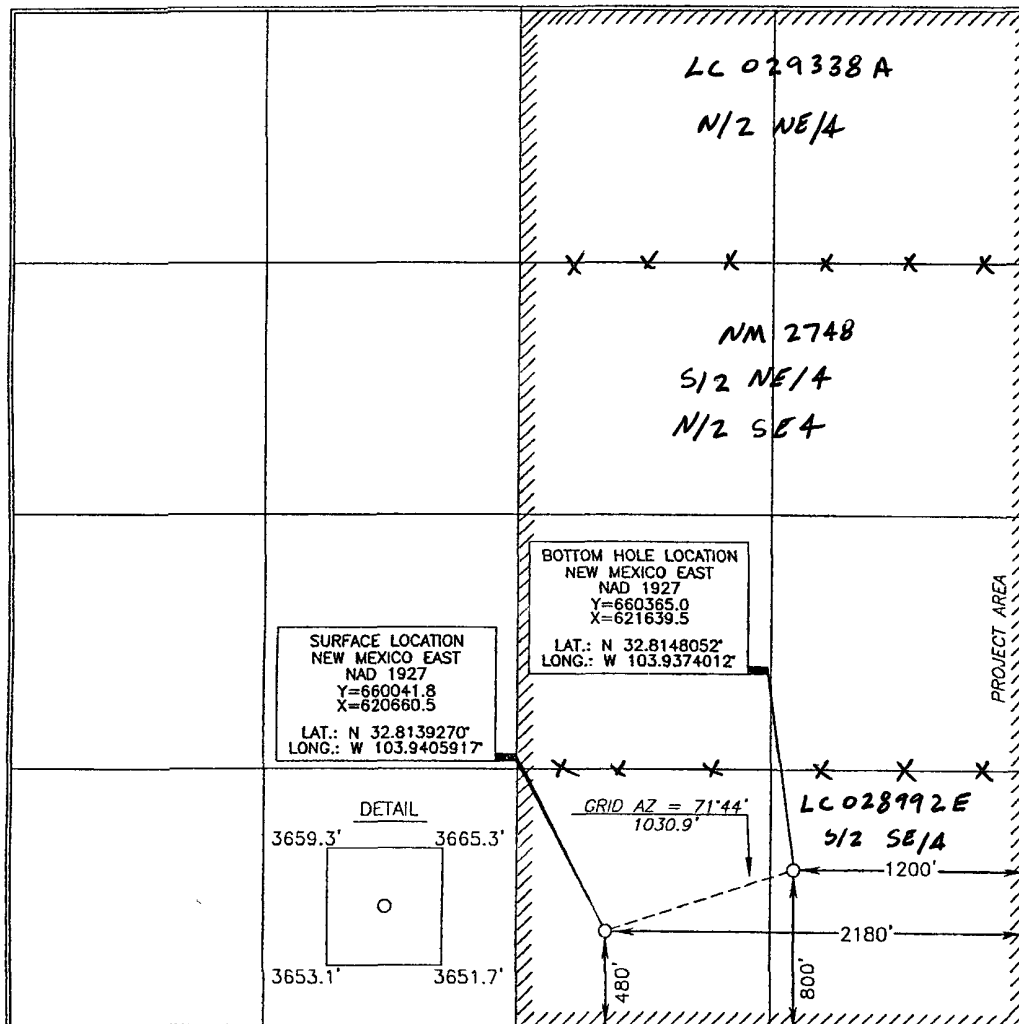
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
0	23	17 SOUTH	30 EAST, N.M.P.M.		480'	SOUTH	2180'	EAST	EDDY

Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	23	17 SOUTH	30 EAST, N.M.P.M.		800'	SOUTH	1200'	EAST	EDDY

Dedicated Acres 320	Joint or Infill	Consolidation Code	Order No.
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No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.



OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Donny G. Glanton 7/7/07
Signature Date

Donny G. Glanton
Printed Name

SURVEYOR CERTIFICATION

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

DECEMBER 19, 2006
Date of Survey

Signature and Professional Surveyor

Jerry G. Arsl 6/29/2007
Certificate Number 15079

WO# 061219WL-b (JL)

Permit Information:**Well Name: Oak Lake Fed Com #1****Location:**

SL 480' FSL & 2180' FEL, Section 23, T-17-S, R-30-E, Eddy Co., N.M.

BHL 800' FSL & 1200' FEL, Section 23, T-17-S, R-30-E, Eddy Co., N.M.

Casing Program:

Casing	Setting Depth	Hole Size	Casing Size	Casing Weight	Casing Grade	Desired TOC
Surface	500'	14-3/4"	11-3/4"	42#	H-40	Surface
Intermediate	4,500'	11"	8-5/8"	32#	J-55/ HCK55	Surface
Production	11,612'	7-7/8"	5-1/2"	17#	HCP-110	500' above Shallowest hydrocarbon bearing zone

Cement Program:

Depth	No. Sacks	Slurries
500'	100	Lead: 10:2 RFC Class A + 5 pps D24 + 1/8 pps D130 (14.2 ppg / 2.26 yld)
	300	Tail: Class C + 2% CaCl ₂ (14.8 ppg / 1.34 yld)
4,500'	900	Lead: 50:50 Poz:C + 5% Salt + 1/8 pps D130 (11.9ppg / 2.47 yld)
	200	Tail: Class C + 1/8 pps D130 (14.8 ppg / 1.33 yld)
11,612'	700	Lead: 50:50 Poz:H + additives (11.9 ppg / 2.39 yld)
	375	Tail: TXI Lightweight + 1.3% Salt + 1.5 gps D600G + 2% D174 (13.0 ppg / 1.44 yld)

Mud Program:

Depth	Type	Weight (ppg)	Viscosity	Water Loss
0 – 500'	Fresh - Gel	8.4 – 9.0	28-34	N/c
500' – 4,500'	Brine	9.8 – 10.2	28-30	N/c
4,500' - 10,000'	Cut Brine	8.8- 9.1	28-30	N/c
10,000' – 11,612'	Cut Brine-Polymer	8.6- 9.6	35-40	<12

Pathfinder Energy

Planning Report

Company: EOG Resources Field: Oak Lake Site: Oak Lake 23 Fed Com #1 Well: Oak Lake 23 Fed Com #1 Wellpath: Original	Date: 7/5/2007 Co-ordinate(N/E) Reference: Oak Lake 23 Fed Com #1, Grid North Vertical (TVD) Reference: SITE 0.0 Section (VS) Reference: Well (0.00N,0.00E,71.73Azi) Plan: Plan #17-5-07
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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	71.73	1500.00	0.00	0.00	0.00	0.00	0.00	0.00	
1600.00	0.00	71.73	1600.00	0.00	0.00	0.00	0.00	0.00	0.00	
1700.00	0.00	71.73	1700.00	0.00	0.00	0.00	0.00	0.00	0.00	
1800.00	0.00	71.73	1800.00	0.00	0.00	0.00	0.00	0.00	0.00	
1900.00	0.00	71.73	1900.00	0.00	0.00	0.00	0.00	0.00	0.00	
2000.00	0.00	71.73	2000.00	0.00	0.00	0.00	0.00	0.00	0.00	
2100.00	0.00	71.73	2100.00	0.00	0.00	0.00	0.00	0.00	0.00	
2200.00	0.00	71.73	2200.00	0.00	0.00	0.00	0.00	0.00	0.00	
2300.00	0.00	71.73	2300.00	0.00	0.00	0.00	0.00	0.00	0.00	
2400.00	0.00	71.73	2400.00	0.00	0.00	0.00	0.00	0.00	0.00	
2500.00	0.00	71.73	2500.00	0.00	0.00	0.00	0.00	0.00	0.00	
2600.00	0.00	71.73	2600.00	0.00	0.00	0.00	0.00	0.00	0.00	
2700.00	0.00	71.73	2700.00	0.00	0.00	0.00	0.00	0.00	0.00	
2800.00	0.00	71.73	2800.00	0.00	0.00	0.00	0.00	0.00	0.00	
2900.00	0.00	71.73	2900.00	0.00	0.00	0.00	0.00	0.00	0.00	
3000.00	0.00	71.73	3000.00	0.00	0.00	0.00	0.00	0.00	0.00	
3100.00	0.00	71.73	3100.00	0.00	0.00	0.00	0.00	0.00	0.00	
3200.00	0.00	71.73	3200.00	0.00	0.00	0.00	0.00	0.00	0.00	
3300.00	0.00	71.73	3300.00	0.00	0.00	0.00	0.00	0.00	0.00	
3400.00	0.00	71.73	3400.00	0.00	0.00	0.00	0.00	0.00	0.00	
3500.00	0.00	71.73	3500.00	0.00	0.00	0.00	0.00	0.00	0.00	
3600.00	0.00	71.73	3600.00	0.00	0.00	0.00	0.00	0.00	0.00	
3700.00	0.00	71.73	3700.00	0.00	0.00	0.00	0.00	0.00	0.00	
3800.00	0.00	71.73	3800.00	0.00	0.00	0.00	0.00	0.00	0.00	
3900.00	0.00	71.73	3900.00	0.00	0.00	0.00	0.00	0.00	0.00	
4000.00	0.00	71.73	4000.00	0.00	0.00	0.00	0.00	0.00	0.00	
4100.00	0.00	71.73	4100.00	0.00	0.00	0.00	0.00	0.00	0.00	
4200.00	0.00	71.73	4200.00	0.00	0.00	0.00	0.00	0.00	0.00	
4300.00	0.00	71.73	4300.00	0.00	0.00	0.00	0.00	0.00	0.00	
4400.00	0.00	71.73	4400.00	0.00	0.00	0.00	0.00	0.00	0.00	
4500.00	0.00	71.73	4500.00	0.00	0.00	0.00	0.00	0.00	0.00	
4600.00	0.00	71.73	4600.00	0.00	0.00	0.00	0.00	0.00	0.00	
4700.00	0.00	71.73	4700.00	0.00	0.00	0.00	0.00	0.00	0.00	
4800.00	0.00	71.73	4800.00	0.00	0.00	0.00	0.00	0.00	0.00	
4900.00	0.00	71.73	4900.00	0.00	0.00	0.00	0.00	0.00	0.00	
5000.00	0.00	71.73	5000.00	0.00	0.00	0.00	0.00	0.00	0.00	KOP @ 5000' MD/TVD
5100.00	2.00	71.73	5099.98	0.55	1.66	1.75	2.00	2.00	0.00	
5200.00	4.00	71.73	5199.84	2.19	6.63	6.98	2.00	2.00	0.00	
5300.00	6.00	71.73	5299.45	4.92	14.90	15.69	2.00	2.00	0.00	
5400.00	8.00	71.73	5398.70	8.74	26.47	27.88	2.00	2.00	0.00	
5500.00	10.00	71.73	5497.47	13.64	41.33	43.52	2.00	2.00	0.00	
5600.00	12.00	71.73	5595.62	19.63	59.45	62.60	2.00	2.00	0.00	
5654.63	13.09	71.73	5648.95	23.35	70.72	74.47	2.00	2.00	0.00	End of Build @ 13.09° Inc
5700.00	13.09	71.73	5693.14	26.57	80.47	84.75	0.00	0.00	0.00	
5800.00	13.09	71.73	5790.54	33.67	101.99	107.40	0.00	0.00	0.00	
5900.00	13.09	71.73	5887.94	40.77	123.50	130.05	0.00	0.00	0.00	
6000.00	13.09	71.73	5985.34	47.87	145.01	152.70	0.00	0.00	0.00	
6100.00	13.09	71.73	6082.74	54.97	166.52	175.36	0.00	0.00	0.00	
6200.00	13.09	71.73	6180.14	62.07	188.03	198.01	0.00	0.00	0.00	
6300.00	13.09	71.73	6277.54	69.18	209.54	220.66	0.00	0.00	0.00	
6400.00	13.09	71.73	6374.94	76.28	231.05	243.31	0.00	0.00	0.00	
6500.00	13.09	71.73	6472.34	83.38	252.56	265.97	0.00	0.00	0.00	
6600.00	13.09	71.73	6569.74	90.48	274.07	288.62	0.00	0.00	0.00	
6700.00	13.09	71.73	6667.14	97.58	295.58	311.27	0.00	0.00	0.00	

Pathfinder Energy

Planning Report

Company: EOG Resources	Date: 7/5/2007	Time: 10:44:30	Page: 3
Field: Oak Lake	Co-ordinate(N/E) Reference: Oak Lake 23 Fed Com #1, Grid North		
Site: Oak Lake 23 Fed Com #1	Vertical (TVD) Reference: SITE 0.0		
Well: Oak Lake 23 Fed Com #1	Section (VS) Reference: Well (0.00N,0.00E,71.73Azi)		
Wellpath: Original	Plan: Plan #1 7-5-07		

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
6800.00	13.09	71.73	6764.54	104.68	317.09	333.92	0.00	0.00	0.00	
6900.00	13.09	71.73	6861.94	111.78	338.60	356.58	0.00	0.00	0.00	
7000.00	13.09	71.73	6959.35	118.89	360.11	379.23	0.00	0.00	0.00	
7100.00	13.09	71.73	7056.75	125.99	381.62	401.88	0.00	0.00	0.00	
7200.00	13.09	71.73	7154.15	133.09	403.13	424.54	0.00	0.00	0.00	
7300.00	13.09	71.73	7251.55	140.19	424.65	447.19	0.00	0.00	0.00	
7400.00	13.09	71.73	7348.95	147.29	446.16	469.84	0.00	0.00	0.00	
7500.00	13.09	71.73	7446.35	154.39	467.67	492.49	0.00	0.00	0.00	
7600.00	13.09	71.73	7543.75	161.49	489.18	515.15	0.00	0.00	0.00	
7700.00	13.09	71.73	7641.15	168.59	510.69	537.80	0.00	0.00	0.00	
7800.00	13.09	71.73	7738.55	175.70	532.20	560.45	0.00	0.00	0.00	
7900.00	13.09	71.73	7835.95	182.80	553.71	583.10	0.00	0.00	0.00	
8000.00	13.09	71.73	7933.35	189.90	575.22	605.76	0.00	0.00	0.00	
8100.00	13.09	71.73	8030.75	197.00	596.73	628.41	0.00	0.00	0.00	
8200.00	13.09	71.73	8128.15	204.10	618.24	651.06	0.00	0.00	0.00	
8300.00	13.09	71.73	8225.55	211.20	639.75	673.71	0.00	0.00	0.00	
8400.00	13.09	71.73	8322.95	218.30	661.26	696.37	0.00	0.00	0.00	
8500.00	13.09	71.73	8420.35	225.41	682.77	719.02	0.00	0.00	0.00	
8600.00	13.09	71.73	8517.75	232.51	704.28	741.67	0.00	0.00	0.00	
8700.00	13.09	71.73	8615.15	239.61	725.79	764.32	0.00	0.00	0.00	
8800.00	13.09	71.73	8712.55	246.71	747.31	786.98	0.00	0.00	0.00	
8900.00	13.09	71.73	8809.96	253.81	768.82	809.63	0.00	0.00	0.00	
9000.00	13.09	71.73	8907.36	260.91	790.33	832.28	0.00	0.00	0.00	
9100.00	13.09	71.73	9004.76	268.01	811.84	854.93	0.00	0.00	0.00	
9200.00	13.09	71.73	9102.16	275.12	833.35	877.59	0.00	0.00	0.00	
9300.00	13.09	71.73	9199.56	282.22	854.86	900.24	0.00	0.00	0.00	
9400.00	13.09	71.73	9296.96	289.32	876.37	922.89	0.00	0.00	0.00	
9438.79	13.09	71.73	9334.74	292.07	884.71	931.68	0.00	0.00	0.00	End of Hold @ 9438 8' MD/
9500.00	12.17	71.73	9394.47	296.27	897.43	945.07	1.50	-1.50	0.00	
9600.00	10.67	71.73	9492.48	302.48	916.23	964.87	1.50	-1.50	0.00	
9700.00	9.17	71.73	9590.98	307.88	932.60	982.11	1.50	-1.50	0.00	
9800.00	7.67	71.73	9689.90	312.47	946.51	996.76	1.50	-1.50	0.00	
9900.00	6.17	71.73	9789.17	316.25	957.96	1008.81	1.50	-1.50	0.00	
10000.00	4.67	71.73	9888.72	319.22	966.94	1018.27	1.50	-1.50	0.00	
10100.00	3.17	71.73	9988.48	321.36	973.43	1025.11	1.50	-1.50	0.00	
10200.00	1.67	71.73	10088.39	322.69	977.45	1029.34	1.50	-1.50	0.00	
10300.00	0.17	71.73	10188.37	323.19	978.98	1030.95	1.50	-1.50	0.00	
10311.63	0.00	71.73	10200.00	323.20	979.00	1030.97	1.50	-1.50	0.00	Target #1
10400.00	0.00	71.73	10288.37	323.20	979.00	1030.97	0.00	0.00	0.00	
10500.00	0.00	71.73	10388.37	323.20	979.00	1030.97	0.00	0.00	0.00	
10600.00	0.00	71.73	10488.37	323.20	979.00	1030.97	0.00	0.00	0.00	
10700.00	0.00	71.73	10588.37	323.20	979.00	1030.97	0.00	0.00	0.00	
10800.00	0.00	71.73	10688.37	323.20	979.00	1030.97	0.00	0.00	0.00	
10900.00	0.00	71.73	10788.37	323.20	979.00	1030.97	0.00	0.00	0.00	
11000.00	0.00	71.73	10888.37	323.20	979.00	1030.97	0.00	0.00	0.00	
11100.00	0.00	71.73	10988.37	323.20	979.00	1030.97	0.00	0.00	0.00	
11200.00	0.00	71.73	11088.37	323.20	979.00	1030.97	0.00	0.00	0.00	
11300.00	0.00	71.73	11188.37	323.20	979.00	1030.97	0.00	0.00	0.00	
11400.00	0.00	71.73	11288.37	323.20	979.00	1030.97	0.00	0.00	0.00	
11500.00	0.00	71.73	11388.37	323.20	979.00	1030.97	0.00	0.00	0.00	
11600.00	0.00	71.73	11488.37	323.20	979.00	1030.97	0.00	0.00	0.00	
11611.63	0.00	71.73	11500.00	323.20	979.00	1030.97	0.00	0.00	0.00	Oak Lake 23 Fed Com #1 PB

Pathfinder Energy

Planning Report

Company: EOG Resources Field: Oak Lake Site: Oak Lake 23 Fed Com #1 Well: Oak Lake 23 Fed Com #1 Wellpath: Original	Date: 7/5/2007 Time: 10:44:30 Page: 4 Co-ordinate(NE) Reference: Oak Lake 23 Fed Com #1, Grid North Vertical (TVD) Reference: SITE 0.0 Section (VS) Reference: Well (0.00N,0.00E,71:73Azi) Plan: Plan #17-5-07
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Targets

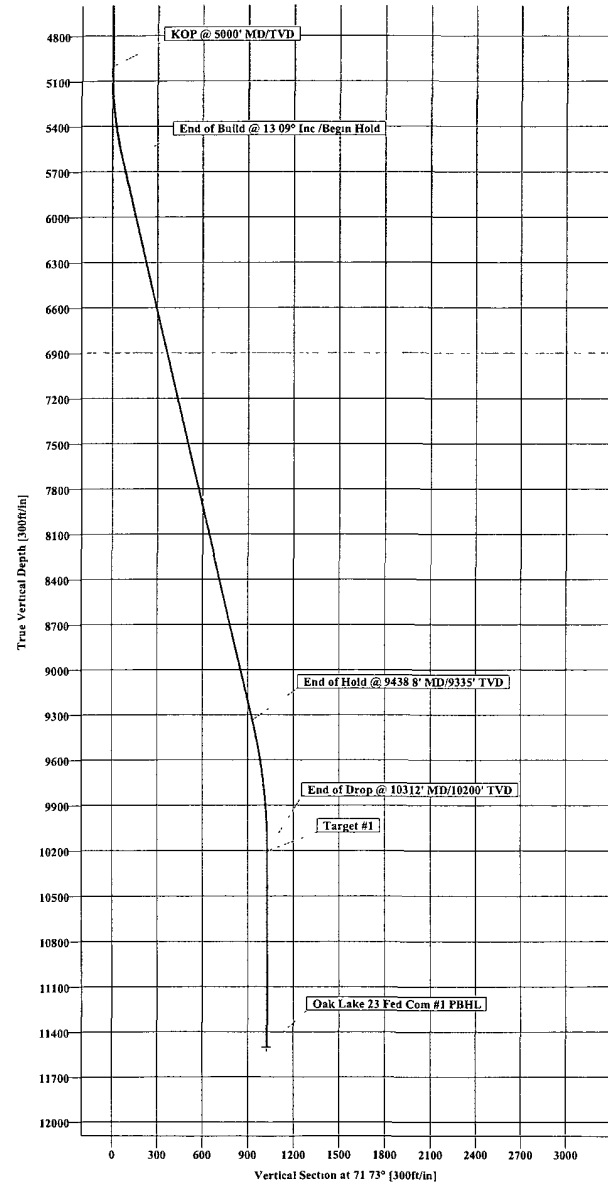
Name	Description		TVD ft	+N/-S ft	+E/-W ft	Map		<--- Latitude --->			<--- Longitude --->		
	Dip.	Dir.				Northing ft	Easting ft	Deg	Min	Sec	Deg	Min	Sec
Target #1			10200.00	323.20	979.00	660365.00	621639.50	32	48	53.299 N	103	56	14.645 W
-Plan hit target													
Oak Lake 23 Fed Com #1 PBHL			11500.00	323.20	979.00	660365.00	621639.50	32	48	53.299 N	103	56	14.645 W
-Plan hit target													

Annotation

MD ft	TVD ft	
5000.00	5000.00	KOP @ 5000' MD/TVD
5654.63	5648.95	End of Build @ 13.09° Inc./Begin Hold
9438.79	9334.74	End of Hold @ 9438.8' MD/9335' TVD
10311.63	10200.00	End of Drop @ 10312' MD/10200' TVD



Field: Oak Lake
Site: Oak Lake 23 Fed Com #1
Well: Oak Lake 23 Fed Com #1
Wellpath: Original
Plan: Plan #1 7-5-07

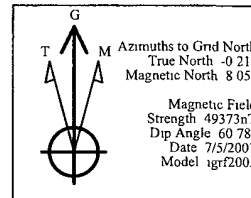


TARGET DETAILS					
Name	TVD	+N/-S	+E/-W	Shape	
Target #1	10200.00	323.20	979.00	Point	
Oak Lake 23 Fed Com #1 PBHL	11500.00	323.20	979.00	Point	

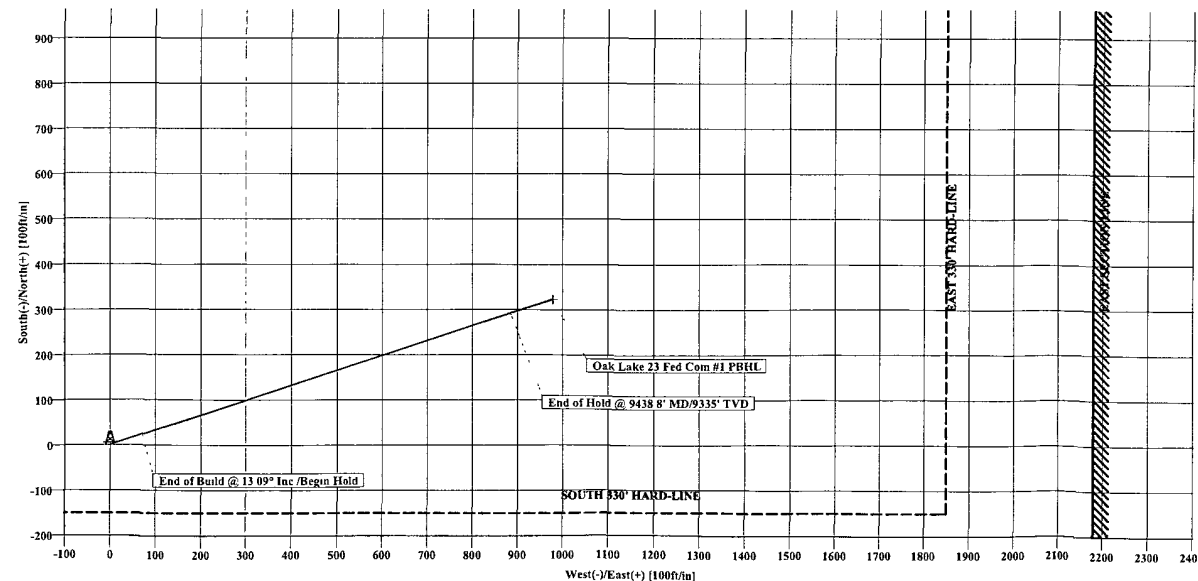
ANNOTATIONS				
No	TVD	MD	Annotation	
1	5000.00	5000.00	KOP @ 5000' MD/TVD	
2	5648.95	5654.63	End of Build @ 13.09° Inc / Begin Hold	
3	9334.74	9438.79	End of Hold @ 9438.8' MD/9335' TVD	
4	10200.00	10311.63	End of Drop @ 10312' MD/10200' TVD	

SITE DETAILS			
Oak Lake 23 Fed Com #1			
Eddy County, NM			
Section 23, T17-S, R30-E			
Site Centre Northing	660041.80		
Easting	620660.50		
Ground Level	3652.00		
Positional Uncertainty	0.00		
Convergence	0.21		

WELLPATH DETAILS			
Original			
Rig	SITE	0.00ft	
Ref Datum			
V Section Angle	Origin +N/-S	Origin +E/-W	Starting From TVD
71.73°	0.00	0.00	11500.00



SECTION DETAILS										
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.00	0.00	71.73	0.00	0.00	0.00	0.00	0.00	0.00	
2	5000.00	0.00	71.73	5000.00	0.00	0.00	0.00	71.73	0.00	
3	5654.63	13.09	71.73	5648.95	23.35	70.72	2.00	71.73	74.47	
4	9438.79	13.09	71.73	9334.74	292.07	884.71	0.00	0.00	931.68	
5	10311.63	0.00	71.73	10200.00	323.20	979.00	1.50	180.00	1030.97	Target #1
6	11611.63	0.00	71.73	11500.00	323.20	979.00	0.00	71.73	1030.97	Oak Lake 23 Fed Com #1 PBHL



SUNDRY NOTICE SPECIAL STIPULATIONS

1. Approval is granted for the name change for this well.
2. All other changes submitted in this sundry are withdrawn by virtue of the sundry submitted 7/23/07 modifying these changes..

Engineering
can be reached at 505-706-2779 for any variances that might be necessary.

F Wright 7/31/07