

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

Form 3160-5
(August 1999)

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.

FORM APPROVED
OMB NO. 1004-0135

Expires: November 30, 2000

SUBMIT IN TRIPLICATE - Other instructions on reverse side

RECEIVED

MAR 23 2005

1. Type of well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

EOG Resources, Inc.

3a. Address

P.O. Box 2267, Midland, TX 79702

3b. Phone No. (include area code)

(915)686-3714

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

S/L 2162' FNL&784' FEL (U/LH) Sec 12 T-18-S, R-29-E
BHL 2250' FNL&500' FWL (U/L E) Sec 12 T-18-S, R-29-E

5. Lease Serial No.

LC 060904

6. If Indian, Allottee or Tribe Name

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

8. Well Name and No.

Duggan 12 Fed. Com No 1H

9. API Well No.

30-015-28995

10. Field and Pool, or Exploratory

Sand tank, bone Spring

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

☐ Subsequent Report

☐ Final Abandonment Notice

☐ 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

Drill Horizontal
Lateral

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 shall 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 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 site is ready for final inspection.

EOG Resources, Inc, plans to add a 3989.6' horizontal to the existing well bore of the subject well in the Bone springs formation. Well is currently producing @6809'-6815', 6863'-6881', 6909'-6925' CIBP will be set @ 7378', squeeze off producing perfs, set whipstock, cut window and drill horizontal lateral.

Planning report, well schematic, and revised C-103 attached.

14. I hereby certify that the foregoing is true and correct

Name (Printed/Typed)

Mike Francis

Title

Agent

Signature

Date

3/15/2005

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

(ORIG. SGD.) ALEXIS C. SWOBODA

Title

PE

Date

MAR 17 2005

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 thereon.

Office

RFO

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.

APPROVAL SUBJECT TO
GENERAL REQUIREMENTS AND
SPECIAL STIPULATIONS ATTACHED

DISTRICT I
P. O. Box 1980
Hobbs, NM 88241-1980

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

Form C-102
Revised 02-10-94
Instructions on back

DISTRICT II
P. O. Drawer DD
Artesia, NM 88211-0719

OIL CONSERVATION DIVISION
P. O. Box 2088
Santa Fe, New Mexico 87504-2088

Submit to the Appropriate
District Office
State Lease - 4 copies
Fee Lease - 3 copies

DISTRICT III
1000 Rio Brazos Rd.
Aztec, NM 87410

☐ AMENDED REPORT

DISTRICT IV
P. O. Box 2088
Santa Fe, NM 87507-2088

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-015-28995	² Pool Code 96832	³ Pool Name Sand Tank, Bone Spring
⁴ Property Code 19010	⁵ Property Name DUGGAN '12' FEDERAL COM.	
⁷ OGRD No. 7377	⁶ Operator Name ENRON OIL & GAS COMPANY	⁸ Well Number 1
		⁹ Elevation 3525'

10 SURFACE LOCATION

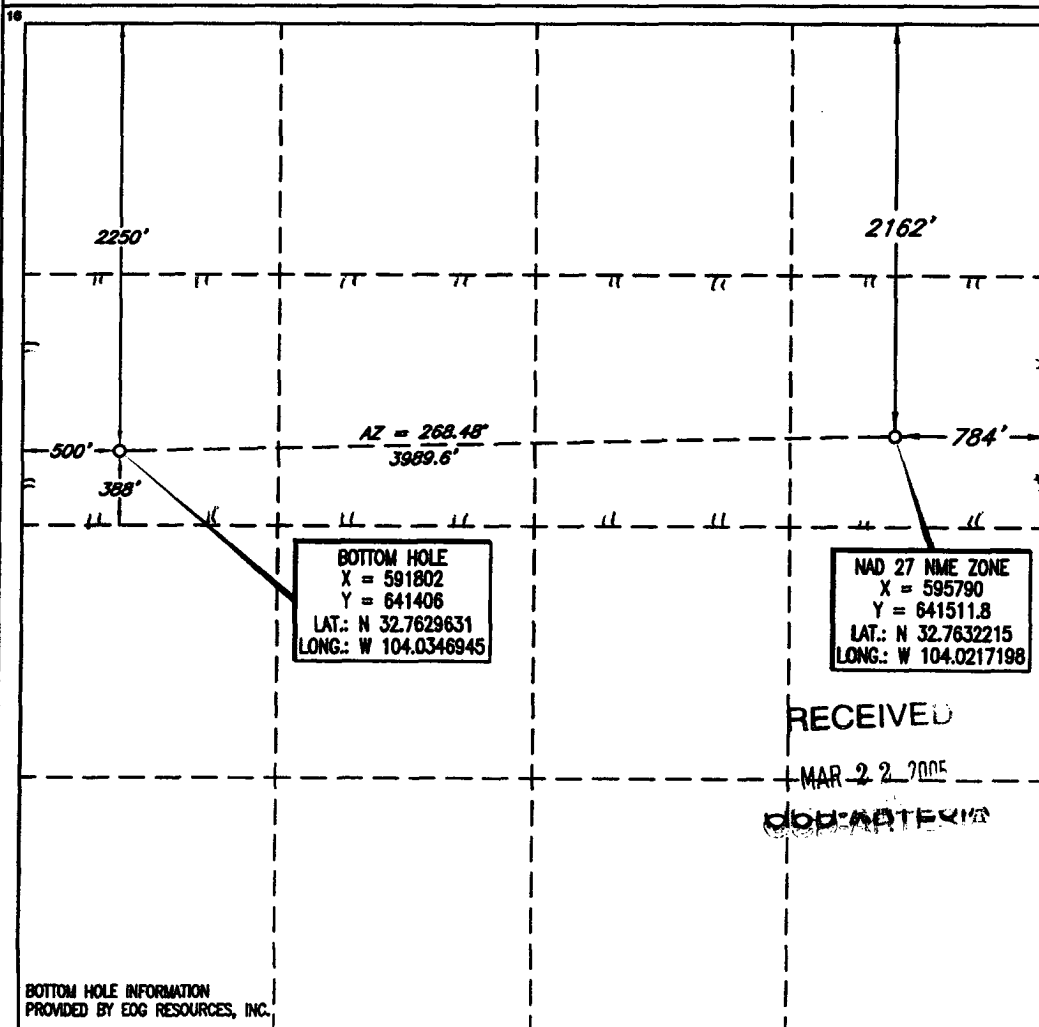
UL or lot no. H	Section 12	Township 18 SOUTH	Range 29 EAST, N.M.P.M.	Lot Ida	Feet from the 2162'	North/South line NORTH	784'	East/West line EAST	County EDDY
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11 BOTTOM HOLE LOCATION IF DIFFERENT FROM SURFACE

UL or lot no. E	Section 12	Township 18 SOUTH	Range 29 EAST, N.M.P.M.	Lot Ida	Feet from the 2550'	North/South line NORTH	Feet from the 500'	East/West line WEST	County EDDY
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¹² Dedicated Acres 160	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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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



OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Signature <i>Mike Francis</i>
Printed Name Mike Francis
Title Agent
Date 3/15/2005

SURVEYOR CERTIFICATION

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

Date of Survey FEBRUARY 17, 1996
Signature and Seal of Professional Surveyor <i>V. Lynn Bezner</i>
Certification No. 7920 V. L. BEZNER R.P.S. #7920
JOB #43905-2 / 99SE / J.C.P.

EOG Resources Inc

Planning Report

Company: EOG Resources	Date: 3/14/2005	Time: 09:20:01	Page: 1
Field: Sand Tank	Co-ordinate(NE) Reference: Well: Duggan 12 Fed Com #1H, Grid North		
Site: Duggan 12 Fed Com #1H	Vertical (TVD) Reference: SITE 3543.0		
Well: Duggan 12 Fed Com #1H	Section (VS) Reference: Site (0.00N,0.00E,0.00Azi)		
Wellpath: Lateral	Plan: Plan #1		

Field: Sand Tank

Map System: US State Plane Coordinate System 1927
 Geo Datum: NAD27 (Clarke 1866)
 Sys Datum: Mean Sea Level

Map Zone: New Mexico, Eastern Zone
 Coordinate System: Well Centre
 Geomagnetic Model: igrf2000

Site: Duggan 12 Fed Com #1H

Site Position:	Northing:	641511.80 ft	Latitude:	32 45	47.596 N
From: Map	Easting:	595790.00 ft	Longitude:	104 1	18.192 W
Position Uncertainty:		0.00 ft	North Reference:		Grid
Ground Level:		3525.00 ft	Grid Convergence:		0.17 deg

Well: Duggan 12 Fed Com #1H

Slot Name:

Well Position:	+N/-S	0.00 ft	Northing:	641511.80 ft	Latitude:	32 45 47.596 N
	+E/-W	0.00 ft	Easting:	595790.00 ft	Longitude:	104 1 18.192 W
Position Uncertainty:		0.00 ft				

Wellpath: Lateral

Current Datum: SITE	Height	3543.00 ft	Drilled From:	Surface	0.00 ft
Magnetic Data: 3/11/2005			Tie-on Depth:		Mean Sea Level
Field Strength: 49707 nT			Above System Datum:		
Vertical Section: Depth From (TVD)			Declination:		8.81 deg
			Mag Dip Angle:		60.85 deg
	+N/-S	ft	+E/-W		Direction
					deg
	0.00	0.00	0.00		0.00

Plan: Plan #1

Date Composed: 3/11/2005
 Version: 1
 Tied-to: From Surface

Principal: Yes

Plan Section Information

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7383.00	0.00	0.00	7383.00	0.00	0.00	0.00	0.00	0.00	0.00	
7383.03	0.00	0.00	7383.03	0.00	0.00	0.00	0.00	0.00	0.00	
7983.03	90.00	268.48	7765.00	-10.13	-381.84	15.00	15.00	-15.25	268.48	T1
8031.18	91.44	268.48	7764.39	-11.41	-429.96	3.00	3.00	0.00	0.00	
8592.11	91.44	268.48	7750.25	-26.28	-990.52	0.00	0.00	0.00	0.00	
8601.24	91.72	268.48	7750.00	-26.53	-999.65	3.00	3.00	0.00	0.00	T2
9101.47	91.72	268.48	7735.00	-39.79	-1499.47	0.00	0.00	0.00	0.00	T3
9105.30	91.83	268.48	7734.88	-39.89	-1503.30	3.00	3.00	0.00	0.00	
9601.71	91.83	268.48	7719.00	-53.05	-1999.28	0.00	0.00	0.00	0.00	
9601.72	91.83	268.48	7719.00	-53.05	-1999.30	3.00	-3.00	0.00	180.00	T4
10101.98	91.83	268.48	7703.00	-66.31	-2499.12	0.00	0.00	0.00	0.00	T5
10125.43	91.13	268.48	7702.39	-66.94	-2522.56	3.00	-3.00	0.00	180.00	
10601.53	91.13	268.48	7693.01	-79.56	-2998.39	0.00	0.00	0.00	0.00	
10602.08	91.15	268.48	7693.00	-79.58	-2998.94	3.00	3.00	0.00	0.00	T6
11102.18	91.15	268.48	7683.00	-92.84	-3498.77	0.00	0.00	0.00	0.00	T7
11103.01	91.17	268.48	7682.98	-92.86	-3499.60	3.00	2.98	0.32	6.10	
11591.60	91.17	268.48	7673.00	-105.80	-3987.91	0.00	0.00	0.00	0.00	
11591.69	91.17	268.48	7673.00	-105.80	-3988.00	3.00	-0.65	-2.93	-102.47	BHL

Targets

Name	Description	TVD ft	+N/-S ft	+E/-W ft	Map Northing ft	Map Easting ft	Latitude Deg Min Sec			Longitude Deg Min Sec		
T1		7765.00	-10.61	-399.86	641501.19	595390.14	32	45	47.503 N	104	1	22.875 W
T2		7750.00	-26.53	-999.65	641485.27	594790.35	32	45	47.363 N	104	1	29.900 W

EOG Resources Inc

Planning Report

Company: EOG Resources Field: Sand Tank Site: Duggan 12 Fed Com #1H Well: Duggan 12 Fed Com #1H Wellpath: Lateral	Date: 3/14/2005 Co-ordinate(NE) Reference: Well: Duggan 12 Fed Com #1H, Grid North Vertical (TVD) Reference: SITE 3543.0 Section (VS) Reference: Site (0.00N,0.00E,0.00Azi) Plan: Plan #1
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Targets

Name	Description	TVD ft	+N/-S ft	+E/-W ft	Map Northing ft	Map Easting ft	← Latitude →			← Longitude →		
							Deg	Min	Sec	Deg	Min	Sec
T3		7735.00	-39.79	-1499.47	641472.01	594290.53	32	45	47.246 N	104	1	35.753 W
T4		7719.00	-53.05	-1999.30	641458.75	593790.70	32	45	47.129 N	104	1	41.607 W
T5		7703.00	-66.31	-2499.12	641445.49	593290.88	32	45	47.012 N	104	1	47.461 W
T6		7693.00	-79.58	-2998.94	641432.22	592791.06	32	45	46.895 N	104	1	53.315 W
T7		7683.00	-92.84	-3498.77	641418.96	592291.23	32	45	46.778 N	104	1	59.169 W
BHL		7673.00	-105.80	-3988.00	641406.00	591802.00	32	45	46.663 N	104	2	4.899 W



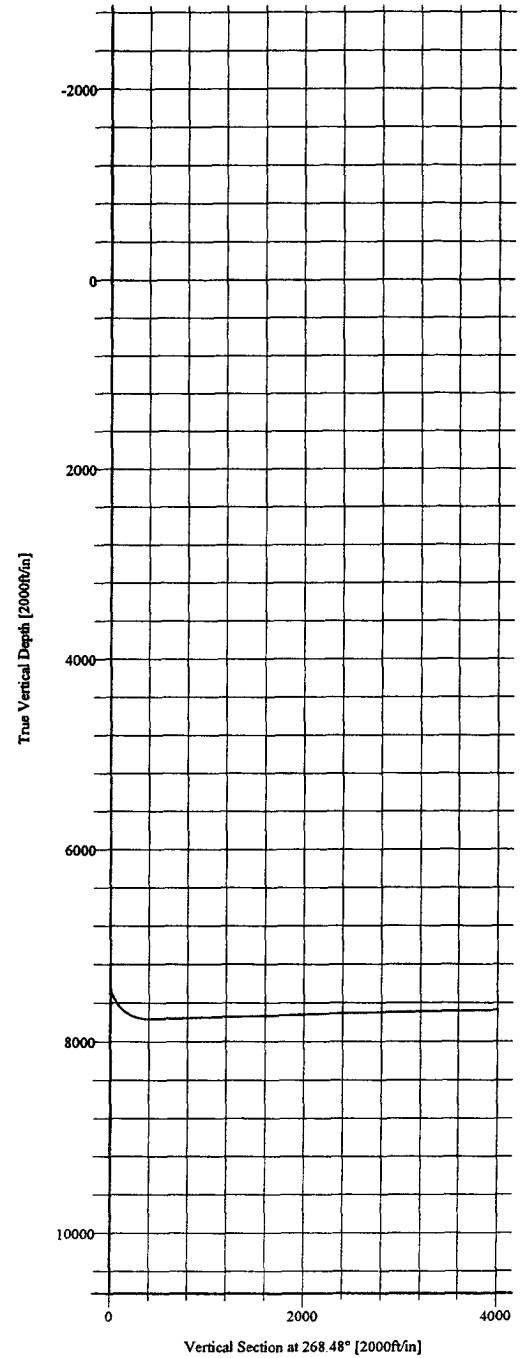
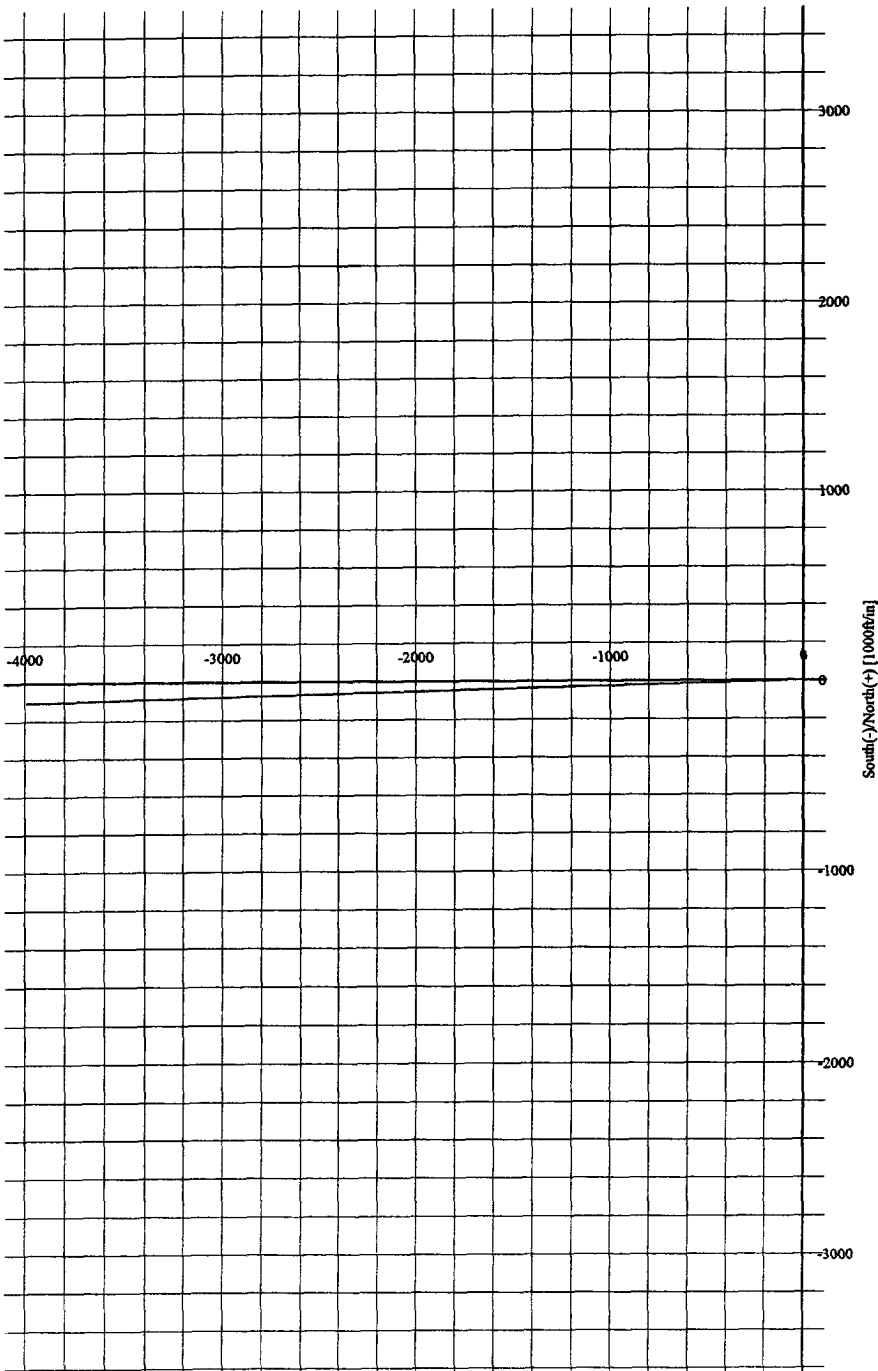
Field: Sand Tank
Site: Duggan 12 Fed Com #1H
Well: Duggan 12 Fed Com #1H
Wellpath: Lateral
Plan: Plan #1



Azimuths to Grid North
True North: -0.17°
Magnetic North: 8.64°

Magnetic Field
Strength: 49707nT
Dip Angle: 60.85°
Date: 3/11/2005
Model: igr2000

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



WELL SCHEMATIC

