

District II
1301 W. Grand Ave., Artesia, NM 88210
Phone:(505) 748-1283 Fax:(505) 748-9720

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

Form C-101
Permit 45289



Month - Year
MAR 15 2007
OCD - ARTESIA, NM

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE

1. Operator Name and Address EOG RESOURCES INC P.O. Box 2267 Midland, TX 79702		2. OGRID Number 7377
		3. API Number 30-015-34481
4. Property Code 35-317	5. Property Name BRAZOS A 11 FEE	6. Well No. 001H

7. Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
A	11	16S	24E	A	892	N	130	E	EDDY

8. Pool Information

COTTONWOOD CREEK;WC, WEST (GAS)	75260
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Additional Well Information

9. Work Type New Well	10. Well Type GAS	11. Cable/Rotary	12. Lease Type Private	13. Ground Level Elevation 3560
14. Multiple N	15. Proposed Depth 5100	16. Formation Wolfcamp	17. Contractor	18. Spud Date
Depth to Ground water 100		Distance from nearest fresh water well > 1000		Distance to nearest surface water > 1000
Pit: Liner: Synthetic ☒ 12 _____ mils thick Clay ☐ Pit Volume: 10300 bbls Drilling Method: Closed Loop System ☐ Fresh Water ☒ Brine ☐ Diesel/Oil-based ☐ Gas/Air ☐				

19. Proposed Casing and Cement Program

Type	Hole Size	Casing Type	Casing Weight/ft	Setting Depth	Sacks of Cement	Estimated TOC
Surf	12.25	8.625	32	925	325	0
Prod	7.875	5.5	17	8783	700	0

Casing/Cement Program: Additional Comments

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Proposed Blowout Prevention Program

Type	Working Pressure	Test Pressure	Manufacturer
DoubleRam	3000	3000	

I hereby certify that the information given above is true and complete to the best of my knowledge and belief. I further certify that the drilling pit will be constructed according to NMOCD guidelines ☒ a general permit ☐ or an (attached) alternative OCD-approved plan ☐	OIL CONSERVATION DIVISION BRYAN G. ARRANT DISTRICT II GEOLOGIST
Printed Name: <u>Donny G. Glanton</u>	Approved By: _____
Title: <u>Sr. Lease Operations Representative</u>	Title: _____
Email Address: <u>donny-glanton@egoresources.com</u>	Approved Date: <u>MAR 20 2007</u> Expiration Date: <u>MAR 20 2008</u>
Date: <u>3/14/07</u> Phone: <u>432-686-3642</u>	

District I

1625 N. French Dr., Hobbs, NM 88240

District II

1301 W. Grand Ave., Artesia, NM 88210

District III

1000 Rio Brazos Rd., Aztec, NM 87410

District IV

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

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

Form C-102
 Permit 45289

WELL LOCATION AND ACREAGE DEDICATION PLAT

1. API Number	2. Pool Code 75260	3. Pool Name COTTONWOOD CREEK;WC, WEST (GAS)
4. Property Code	5. Property Name BRAZOS A 11 FEE	6. Well No. 001H
7. OGRID No. 7377	8. Operator Name EOG RESOURCES INC	9. Elevation 3560

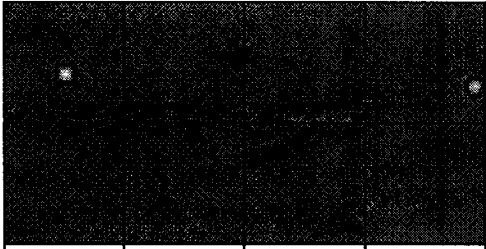
10. Surface Location

UL - Lot A	Section 11	Township 16S	Range 24E	Lot Idn	Feet From 892	N/S Line N	Feet From 130	E/W Line E	County EDDY
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11. Bottom Hole Location If Different From Surface

UL - Lot D	Section 11	Township 16S	Range 24E	Lot Idn	Feet From 760	N/S Line N	Feet From 660	E/W Line W	County EDDY
12. Dedicated Acres 320.00		13. Joint or Infill		14. Consolidation Code		15. Order No.			

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>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(s) 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.</i>			
	E-Signed By: <i>Don D. Mota</i> Title: <i>Sr. Lease Operators Rep.</i> Date: <i>3/14/07</i>			
	SURVEYOR CERTIFICATION <i>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.</i> Surveyed By: Lynn Bezner Date of Survey: 11/10/2005 Certificate Number: 7920			

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

C-102

Revised August 15, 2000

Submit to Appropriate Office

State Case - Supplies

Fee \$10.00 copies

Month - Year
MAR 15 2007
OCD - ARTESIA, NM

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

1 API Number	2 Pool Code	3 Pool Name
	75260	Cottonwood Creek; WC, West (Gas)
4 Property Code	5 Property Name	6 Well Number
	BRAZOS "A" 11 FEE	1H
7 OGRID No.	8 Operator Name	9 Elevation
7377	EOG RESOURCES, INC.	3560'

10 Surface Location

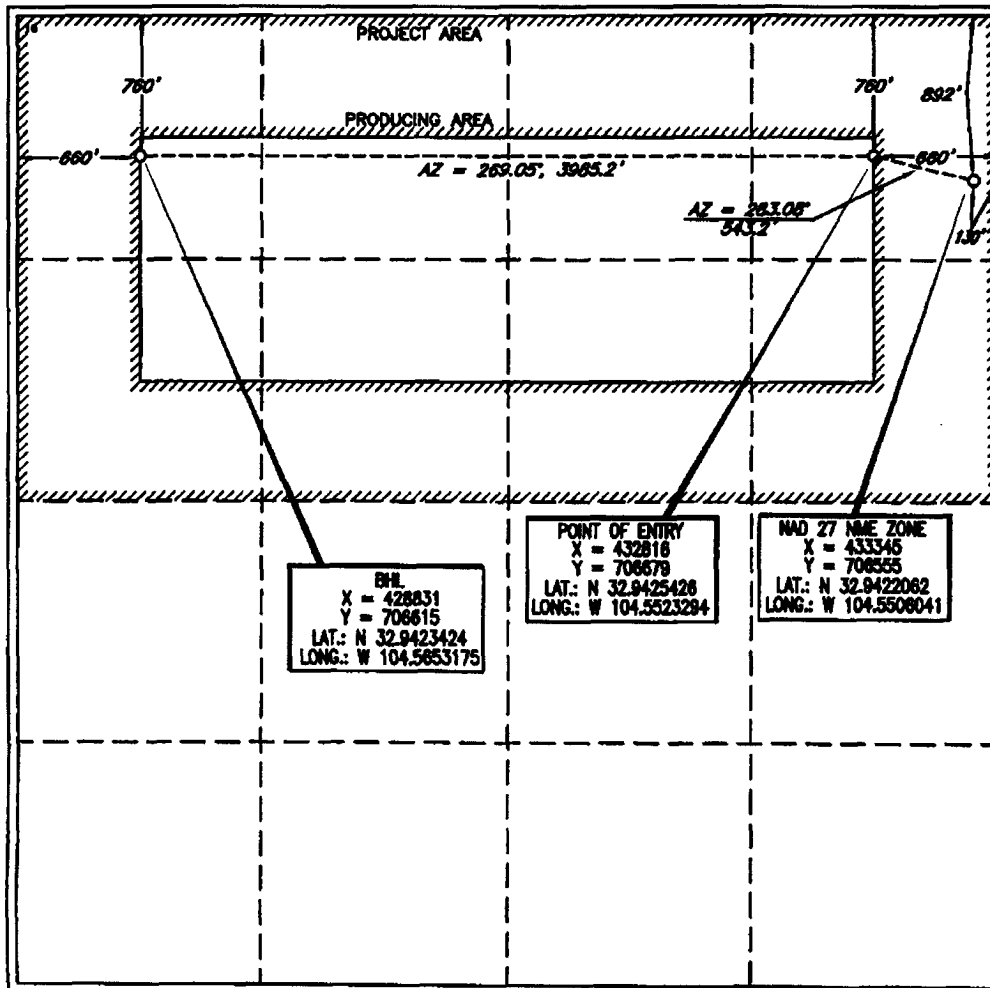
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	11	16 SOUTH	24 EAST, N.M.P.M.		692'	NORTH	130'	EAST	EDDY

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
D	11	16 SOUTH	24 EAST, N.M.P.M.		760'	NORTH	660'	WEST	EDDY

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

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



17 OPERATOR CERTIFICATION

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

Signature
Donny G. Glanton
Printed Name
SR Lease Operations Rep.
Title
3/14/07
Date

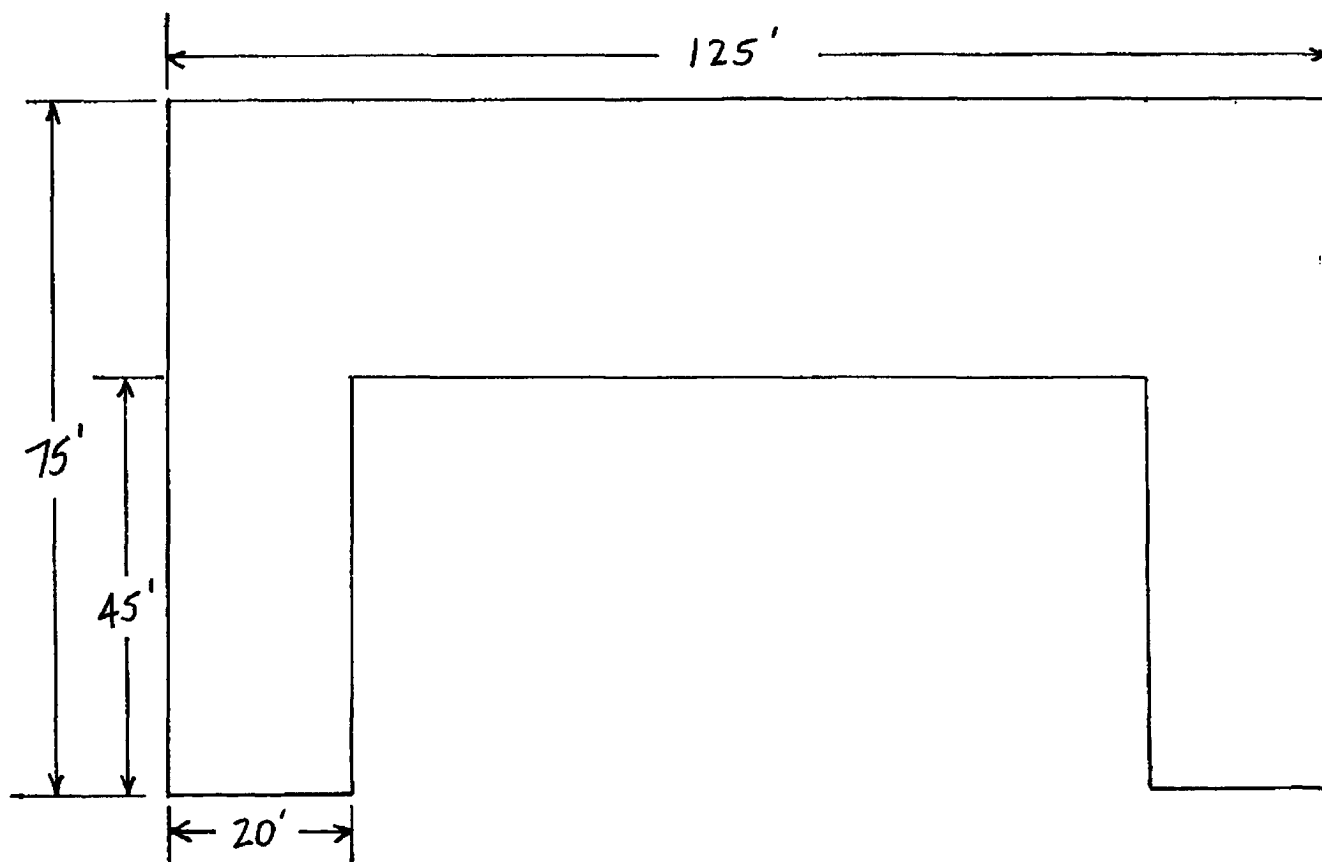
18 SURVEYOR CERTIFICATION

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.

Signature and Seal of Professional Surveyor
V. E. BEZNER
Date of Survey
NOVEMBER 16, 2005
7920
LICENSED LAND SURVEYOR

Signature
V. E. BEZNER
Certificate Number
V. E. BEZNER R.P.S. #7920
JOB #107979 / 101 NE / J.W.W.

NEW MEXICO SINGLE HORSESHOE RESERVE PIT DESIGN



Approximate Volume: 10,000 barrels

Scale: 1" = 20'

Permit Information:

Well Name: Brazos A 11 Fee #1H

Revised 3/14/07

Location:

SL 892' FNL & 130' FEL, Section 11, T-16-S, R-24-E, Eddy Co., N.M.

BHL 760' FNL & 660' FWL, Section 11, 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	925'	12-1/4"	8-5/8"	32#	J-55	Surface
Production	8,783'	7-7/8"	5 1/2"	17#	N-80	Surface

Cement Program:

Depth	No. Sacks	Slurries:
925'	300	Lead: Premium Plus + 2% CaCl ₂ + 3% Econolite + 1/4 pps Flocele
	200	Tail: Premium Plus + 2% CaCl ₂ + 1/4 pps Flocele
8,783'	400	Lead: Interfill C + 1/4 pps Flocele
	350	Tail: Premium Cement + 100% Acid Soluble Additive + 0.6% Halad®-344 + 0.8% Econolite + 0.2% HR-55

Mud Program:

Depth	Type	Weight (ppg)	Viscosity	Water Loss
0 - 925'	Fresh - Gel	8.6-8.8	28-34	N/c
925' - 4,400'	Cut Brine	8.8-9.2	28-34	N/c
4,400' - 5,100'	Cut Brine	8.8-9.2	28-34	10-15
3,840' - 8,783'	Polymer (Lateral)	9.0-9.4	40-45	10-25

EOG RESOURCES INC.

Planning Report

Database: EDM
Company: EOG - Midland (3)
Project: Thames
Site: Brazos A 11 Fee #1H
Well: Brazos A 11 Fee #1H
Wellbore: Brazos A 11 Fee #1H
Design: Original Plan

Local Co-ordinate Reference: Well Brazos A 11 Fee #1H
TVD Reference: WELL @ 3579.00ft (Original Well Elev)
MD Reference: WELL @ 3579.00ft (Original Well Elev)
North Reference: Grid
Survey Calculation Method: Minimum Curvature

Project Thames

Map System: US State Plane 1927 (Exact solution) **System Datum:** Ground Level
Geo Datum: NAD 1927 (NADCON CONUS)
Map Zone: New Mexico East 3001

Site Brazos A 11 Fee #1H

Site Position: **From:** Map **Northings:** 706,555.00ft **Latitude:** 32° 56' 31.939 N
Easting: 433,345.00ft **Longitude:** 104° 33' 2.174 W
Position Uncertainty: 0.00 ft **Slot Radius:** " **Grid Convergence:** -0.12 °

Well Brazos A 11 Fee #1H

Well Position **+N/-S** 0.00 ft **Northings:** 706,555.00ft **Latitude:** 32° 56' 31.939 N
+E/-W 0.00 ft **Easting:** 433,345.00ft **Longitude:** 104° 33' 2.174 W
Position Uncertainty 0.00 ft **Wellhead Elevation:** ft **Ground Level:** 3,560.00ft

Wellbore Brazos A 11 Fee #1H

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2005	3/14/2007	8.57	60.76	49,317

Design Original Plan

Audit Notes:

Version: **Phase:** PROTOTYPE **Tie On Depth:** 0.00

Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)
	4,488.00	0.00	0.00	270.76

Plan Sections

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
3,840.00	0.00	360.00	3,840.00	0.00	0.00	0.00	0.00	0.00	360.00	
4,817.45	76.00	278.00	4,555.00	77.74	-553.18	7.78	7.78	0.00	278.00	
4,981.82	90.00	272.00	4,575.00	91.79	-715.24	9.25	8.52	-3.65	-23.48	
6,261.82	90.00	269.03	4,575.00	103.30	-1,995.04	0.23	0.00	-0.23	-90.00	
6,328.63	92.00	269.02	4,573.83	102.16	-2,061.83	3.00	3.00	-0.02	-0.43	
8,782.44	92.00	269.02	4,488.01	60.00	-4,513.78	0.00	0.00	0.00	0.00	
8,782.66	92.00	269.02	4,488.00	60.00	-4,514.00	3.00	-1.99	2.25	0.00	BHL (Brazos A #1H)

EOG RESOURCES INC.

Planning Report

Database: EDM
Company: EOG - Midland (3)
Project: Thames
Site: Brazos A 11 Fee #1H
Well: Brazos A 11 Fee #1H
Wellbore: Brazos A 11 Fee #1H
Design: Original Plan

Local Co-ordinate Reference:
TVD Reference:
MD Reference:
North Reference:
Survey Calculation Method:

Well Brazos A 11 Fee #1H
 WELL @ 3579.00ft (Original Well Elev)
 WELL @ 3579.00ft (Original Well Elev)
 Grid
 Minimum Curvature

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/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	360.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00
200.00	0.00	360.00	200.00	0.00	0.00	0.00	0.00	0.00	0.00
300.00	0.00	360.00	300.00	0.00	0.00	0.00	0.00	0.00	0.00
400.00	0.00	360.00	400.00	0.00	0.00	0.00	0.00	0.00	0.00
500.00	0.00	360.00	500.00	0.00	0.00	0.00	0.00	0.00	0.00
600.00	0.00	360.00	600.00	0.00	0.00	0.00	0.00	0.00	0.00
700.00	0.00	360.00	700.00	0.00	0.00	0.00	0.00	0.00	0.00
800.00	0.00	360.00	800.00	0.00	0.00	0.00	0.00	0.00	0.00
900.00	0.00	360.00	900.00	0.00	0.00	0.00	0.00	0.00	0.00
1,000.00	0.00	360.00	1,000.00	0.00	0.00	0.00	0.00	0.00	0.00
1,100.00	0.00	360.00	1,100.00	0.00	0.00	0.00	0.00	0.00	0.00
1,200.00	0.00	360.00	1,200.00	0.00	0.00	0.00	0.00	0.00	0.00
1,300.00	0.00	360.00	1,300.00	0.00	0.00	0.00	0.00	0.00	0.00
1,400.00	0.00	360.00	1,400.00	0.00	0.00	0.00	0.00	0.00	0.00
1,500.00	0.00	360.00	1,500.00	0.00	0.00	0.00	0.00	0.00	0.00
1,600.00	0.00	360.00	1,600.00	0.00	0.00	0.00	0.00	0.00	0.00
1,700.00	0.00	360.00	1,700.00	0.00	0.00	0.00	0.00	0.00	0.00
1,800.00	0.00	360.00	1,800.00	0.00	0.00	0.00	0.00	0.00	0.00
1,900.00	0.00	360.00	1,900.00	0.00	0.00	0.00	0.00	0.00	0.00
2,000.00	0.00	360.00	2,000.00	0.00	0.00	0.00	0.00	0.00	0.00
2,100.00	0.00	360.00	2,100.00	0.00	0.00	0.00	0.00	0.00	0.00
2,200.00	0.00	360.00	2,200.00	0.00	0.00	0.00	0.00	0.00	0.00
2,300.00	0.00	360.00	2,300.00	0.00	0.00	0.00	0.00	0.00	0.00
2,400.00	0.00	360.00	2,400.00	0.00	0.00	0.00	0.00	0.00	0.00
2,500.00	0.00	360.00	2,500.00	0.00	0.00	0.00	0.00	0.00	0.00
2,600.00	0.00	360.00	2,600.00	0.00	0.00	0.00	0.00	0.00	0.00
2,700.00	0.00	360.00	2,700.00	0.00	0.00	0.00	0.00	0.00	0.00
2,800.00	0.00	360.00	2,800.00	0.00	0.00	0.00	0.00	0.00	0.00
2,900.00	0.00	360.00	2,900.00	0.00	0.00	0.00	0.00	0.00	0.00
3,000.00	0.00	360.00	3,000.00	0.00	0.00	0.00	0.00	0.00	0.00
3,100.00	0.00	360.00	3,100.00	0.00	0.00	0.00	0.00	0.00	0.00
3,200.00	0.00	360.00	3,200.00	0.00	0.00	0.00	0.00	0.00	0.00
3,300.00	0.00	360.00	3,300.00	0.00	0.00	0.00	0.00	0.00	0.00
3,400.00	0.00	360.00	3,400.00	0.00	0.00	0.00	0.00	0.00	0.00
3,500.00	0.00	360.00	3,500.00	0.00	0.00	0.00	0.00	0.00	0.00
3,600.00	0.00	360.00	3,600.00	0.00	0.00	0.00	0.00	0.00	0.00
3,700.00	0.00	360.00	3,700.00	0.00	0.00	0.00	0.00	0.00	0.00
3,800.00	0.00	360.00	3,800.00	0.00	0.00	0.00	0.00	0.00	0.00
3,840.00	0.00	360.00	3,840.00	0.00	0.00	0.00	0.00	0.00	0.00
3,900.00	4.67	278.00	3,899.93	0.34	-2.42	2.42	7.78	7.78	0.00
4,000.00	12.44	278.00	3,998.75	2.41	-17.13	17.16	7.78	7.78	0.00
4,100.00	20.22	278.00	4,094.64	6.32	-44.95	45.03	7.78	7.78	0.00
4,200.00	27.99	278.00	4,185.85	12.00	-85.36	85.52	7.78	7.78	0.00
4,300.00	35.77	278.00	4,270.70	19.34	-137.62	137.87	7.78	7.78	0.00
4,400.00	43.54	278.00	4,347.63	28.22	-200.77	201.13	7.78	7.78	0.00
4,500.00	51.32	278.00	4,415.23	38.46	-273.64	274.13	7.78	7.78	0.00
4,600.00	59.09	278.00	4,472.25	49.88	-354.90	355.53	7.78	7.78	0.00
4,700.00	66.87	278.00	4,517.65	62.27	-443.05	443.84	7.78	7.78	0.00
4,800.00	74.64	278.00	4,550.58	75.40	-536.47	537.43	7.78	7.78	0.00
4,800.51	74.68	278.00	4,550.71	75.46	-536.96	537.91	7.78	7.78	0.00
PP (Brazos A #1H)									
4,817.45	76.00	278.00	4,555.00	77.74	-553.18	554.17	7.78	7.78	0.00

EOG RESOURCES INC.

Planning Report

Database: EDM
Company: EOG - Midland (3)
Project: Thames
Site: Brazos A 11 Fee #1H
Well: Brazos A 11 Fee #1H
Wellbore: Brazos A 11 Fee #1H
Design: Original Plan

Local Co-ordinate Reference:
TVD Reference:
MD Reference:
North Reference:
Survey Calculation Method:

Well Brazos A 11 Fee #1H
WELL @ 3579.00ft (Original Well Elev)
WELL @ 3579.00ft (Original Well Elev)
Grid
Minimum Curvature

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N-S (ft)	+E-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
4,900.00	83.02	274.94	4,570.02	86.86	-633.78	634.88	9.25	8.51	-3.71
4,981.82	90.00	272.00	4,575.00	91.79	-715.24	716.40	9.25	8.53	-3.60
5,000.00	90.00	271.96	4,575.00	92.42	-733.41	734.57	0.23	0.00	-0.23
5,100.00	90.00	271.73	4,575.00	95.64	-833.36	834.56	0.23	0.00	-0.23
5,200.00	90.00	271.49	4,575.00	98.44	-933.32	934.55	0.23	0.00	-0.23
5,300.00	90.00	271.26	4,575.00	100.85	-1,033.29	1,034.54	0.23	0.00	-0.23
5,400.00	90.00	271.03	4,575.00	102.85	-1,133.27	1,134.54	0.23	0.00	-0.23
5,500.00	90.00	270.80	4,575.00	104.44	-1,233.26	1,234.54	0.23	0.00	-0.23
5,600.00	90.00	270.57	4,575.00	105.63	-1,333.25	1,334.54	0.23	0.00	-0.23
5,700.00	90.00	270.33	4,575.00	106.42	-1,433.25	1,434.54	0.23	0.00	-0.23
5,800.00	90.00	270.10	4,575.00	106.80	-1,533.25	1,534.53	0.23	0.00	-0.23
5,900.00	90.00	269.87	4,575.00	106.77	-1,633.25	1,634.52	0.23	0.00	-0.23
6,000.00	90.00	269.64	4,575.00	106.34	-1,733.25	1,734.51	0.23	0.00	-0.23
6,100.00	90.00	269.41	4,575.00	105.51	-1,833.24	1,834.48	0.23	0.00	-0.23
6,200.00	90.00	269.17	4,575.00	104.27	-1,933.23	1,934.45	0.23	0.00	-0.23
6,261.82	90.00	269.03	4,575.00	103.30	-1,995.04	1,996.24	0.23	0.00	-0.23
6,300.00	91.15	269.02	4,574.62	102.65	-2,033.22	2,034.40	3.00	3.00	-0.02
6,328.63	92.00	269.02	4,573.83	102.16	-2,061.83	2,063.01	3.00	3.00	-0.02
6,400.00	92.00	269.02	4,571.34	100.93	-2,133.15	2,134.30	0.00	0.00	0.00
6,500.00	92.00	269.02	4,567.84	99.21	-2,233.07	2,234.19	0.00	0.00	0.00
6,600.00	92.00	269.02	4,564.34	97.50	-2,333.00	2,334.09	0.00	0.00	0.00
6,700.00	92.00	269.02	4,560.84	95.78	-2,432.92	2,433.98	0.00	0.00	0.00
6,800.00	92.00	269.02	4,557.34	94.06	-2,532.85	2,533.87	0.00	0.00	0.00
6,900.00	92.00	269.02	4,553.85	92.34	-2,632.77	2,633.76	0.00	0.00	0.00
7,000.00	92.00	269.02	4,550.35	90.62	-2,732.69	2,733.66	0.00	0.00	0.00
7,100.00	92.00	269.02	4,546.85	88.91	-2,832.62	2,833.55	0.00	0.00	0.00
7,200.00	92.00	269.02	4,543.35	87.19	-2,932.54	2,933.44	0.00	0.00	0.00
7,300.00	92.00	269.02	4,539.86	85.47	-3,032.47	3,033.33	0.00	0.00	0.00
7,400.00	92.00	269.02	4,536.36	83.75	-3,132.39	3,133.23	0.00	0.00	0.00
7,500.00	92.00	269.02	4,532.86	82.03	-3,232.31	3,233.12	0.00	0.00	0.00
7,600.00	92.00	269.02	4,529.36	80.32	-3,332.24	3,333.01	0.00	0.00	0.00
7,700.00	92.00	269.02	4,525.87	78.60	-3,432.16	3,432.90	0.00	0.00	0.00
7,800.00	92.00	269.02	4,522.37	76.88	-3,532.09	3,532.80	0.00	0.00	0.00
7,900.00	92.00	269.02	4,518.87	75.16	-3,632.01	3,632.69	0.00	0.00	0.00
8,000.00	92.00	269.02	4,515.37	73.45	-3,731.93	3,732.58	0.00	0.00	0.00
8,100.00	92.00	269.02	4,511.88	71.73	-3,831.86	3,832.47	0.00	0.00	0.00
8,200.00	92.00	269.02	4,508.38	70.01	-3,931.78	3,932.37	0.00	0.00	0.00
8,300.00	92.00	269.02	4,504.88	68.29	-4,031.71	4,032.26	0.00	0.00	0.00
8,400.00	92.00	269.02	4,501.38	66.57	-4,131.63	4,132.15	0.00	0.00	0.00
8,500.00	92.00	269.02	4,497.89	64.86	-4,231.55	4,232.04	0.00	0.00	0.00
8,600.00	92.00	269.02	4,494.39	63.14	-4,331.48	4,331.93	0.00	0.00	0.00
8,700.00	92.00	269.02	4,490.89	61.42	-4,431.40	4,431.83	0.00	0.00	0.00
8,782.44	92.00	269.02	4,488.01	60.00	-4,513.78	4,514.18	0.00	0.00	0.00
8,782.66	92.00	269.02	4,488.00	60.00	-4,514.00	4,514.40	3.00	-1.99	2.25
BHL (Brazos A #1H)									

EOG RESOURCES INC.

Planning Report

Database: EDM
Company: EOG - Midland (3)
Project: Thames
Site: Brazos A 11 Fee #1H
Well: Brazos A 11 Fee #1H
Wellbore: Brazos A 11 Fee #1H
Design: Original Plan

Local Co-ordinate Reference: Well Brazos A 11 Fee #1H
TVD Reference: WELL @ 3579.00ft (Original Well Elev)
MD Reference: WELL @ 3579.00ft (Original Well Elev)
North Reference: Grid
Survey Calculation Method: Minimum Curvature

Targets									
Target Name	Dip Angle	Dip Dir.	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
- hit/miss target	(°)	(°)	(ft)	(ft)	(ft)	(ft)	(ft)		
- Shape									
BHL (Brazos A #1H)	0.00	0.00	4,488.00	60.00	-4,514.00	706,615.00	428,831.00	32° 56' 32.437 N	104° 33' 55.146 W
- plan hits target									
- Point									
PP (Brazos A #1H)	0.00	0.00	4,555.00	124.00	-529.00	706,679.00	432,816.00	32° 56' 33.155 N	104° 33' 8.385 W
- plan misses by 49.37ft at 4800.51ft MD (4550.71 TVD, 75.46 N, -536.96 E)									
- Point									

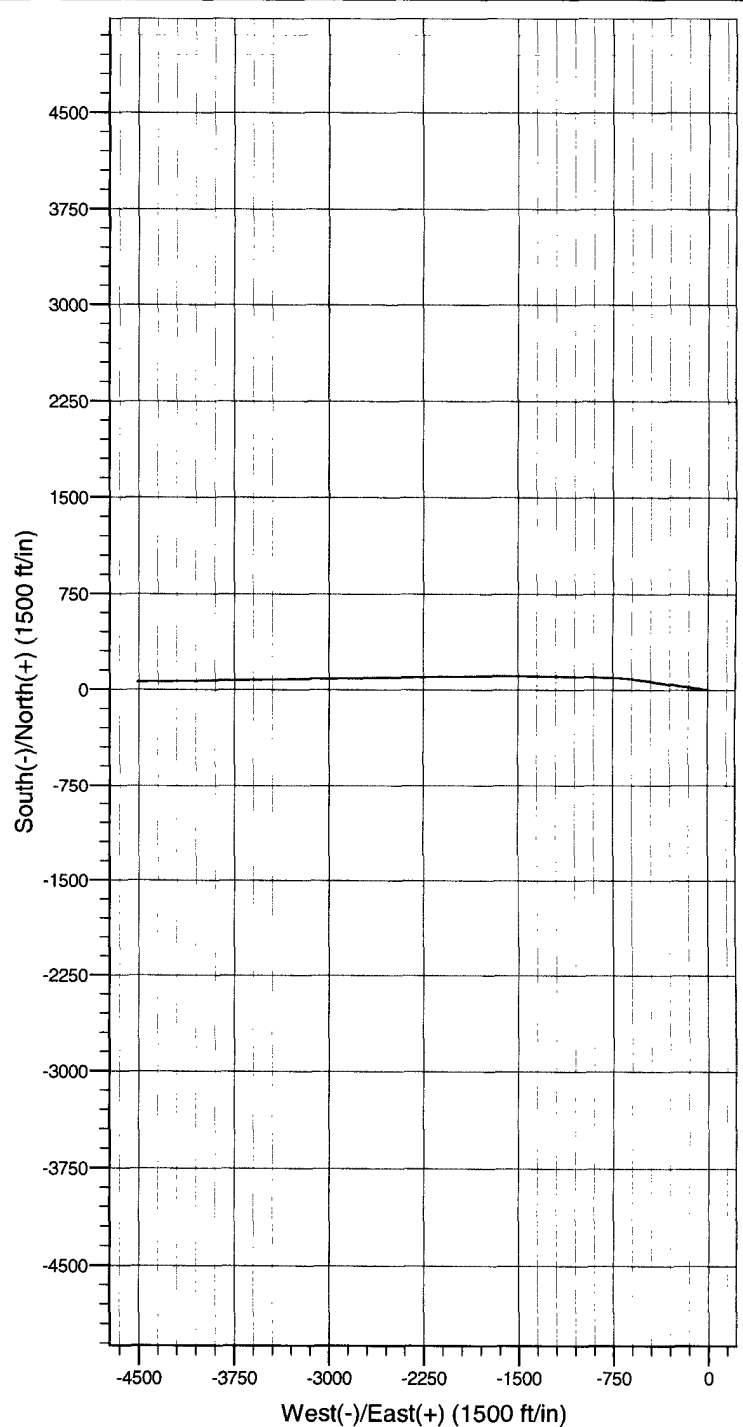
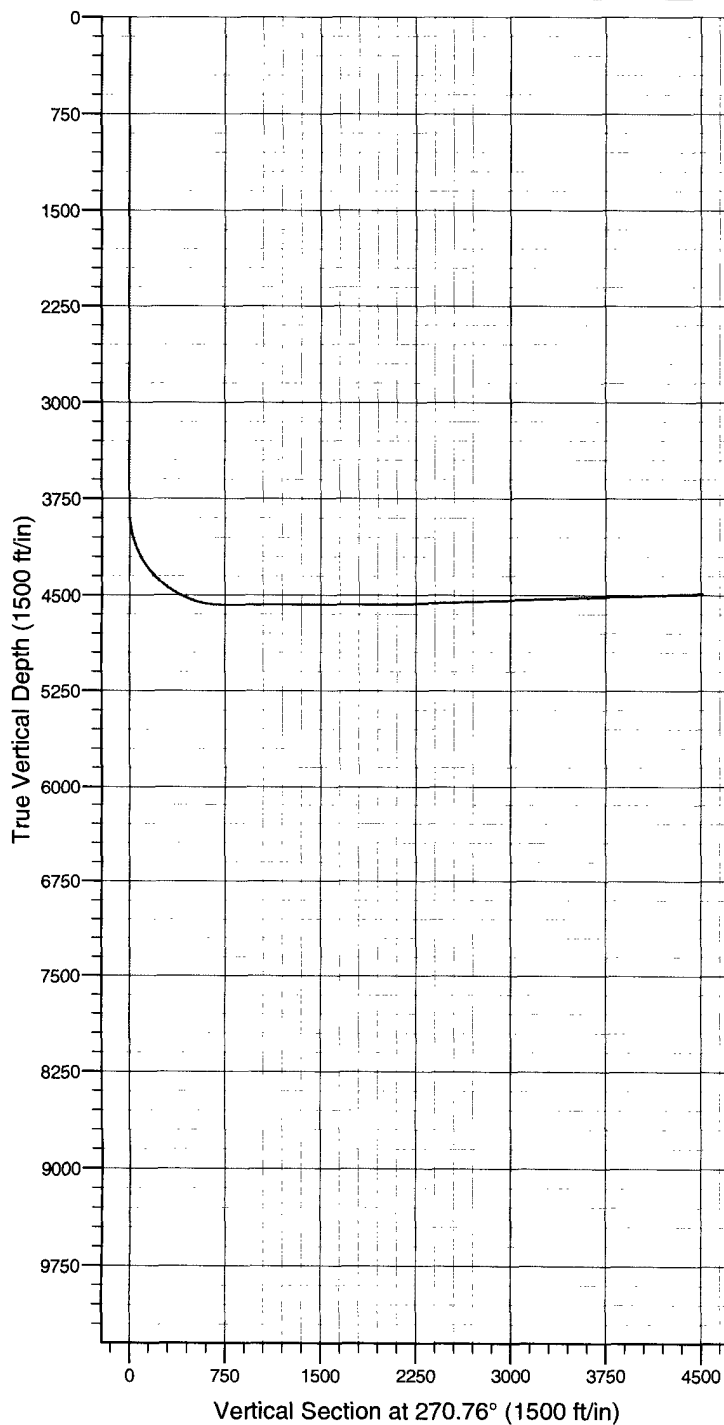
WELL DETAILS: Brazos A 11 Fee #1H

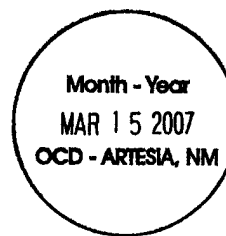
+N/-S	+E/-W	Northing	Ground Level: 3560.00	Easting	Latitude	Longitude	Slot
0.00	0.00	706555.00		433345.00	32° 56' 31.939 N	104° 33' 2.174 W	

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFac	Target	Sec
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2	3840.00	0.00	360.00	3840.00	0.00	0.00	0.00	360.00	0.00	
3	4817.45	76.00	278.00	4555.00	77.74	-553.18	7.78	278.00	554.17	
4	4981.82	90.00	272.00	4575.00	91.79	-715.24	9.25	-23.48	716.40	
5	6261.82	90.00	269.03	4575.00	103.30	-1995.04	0.23	-90.00	1996.24	
6	6328.63	92.00	269.02	4573.83	102.16	-2061.83	3.00	-0.43	2063.01	
7	8782.44	92.00	269.02	4488.01	60.00	-4513.78	0.00	0.00	4514.18	
8	8782.66	92.00	269.02	4488.00	60.00	-4514.00	0.00	0.00	4514.40	

Brazos A 11 Fee #1H





EOG Resources, Inc.
P.O. Box 2267
Midland, TX 79702
(432) 686-3600

(432) 686-3642 Office
(432) 770-0602 Cell
Donny_Glanton@eogresources.com

March 14, 2007

OCD-Artesia
Att: Mr. Bryan Arrent
1301 W. Grand Avenue
Artesia, NM 88210

**Re: RE-PERMIT APPLICATION
BRAZOS A 11 FEE 1H**

Dear Mr. Arrent:

Enclosed please find application to re-permit the subject well.

The Brazos A 11 Fee 1H was originally permitted and approved on 12/27/2005. The permit expired on 12/27/2006.

EOG Resources, Inc. respectfully requests re-approval of the APD for the subject well.

Enclosed please find:

- Permit Application
- Pit Diagram
- Well Plat
- Detailed Casing
- Mud
- Cement
- Drilling Plan
- H₂S Letter

Should you have any additional questions, please feel to give me a call.

Thanks and best regards.

Very truly yours,

Donny G. Glanton
Sr. Lease Operations ROW Representative