

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-101
Permit 10311

APPLICATION FOR PERMIT TO DRILL

Operator Name and Address EOG RESOURCES INC PO Box 2267 Midland, TX 79702		OGRID Number 7377
		API Number 30-015-34097
Property Code 34779	Property Name MACKENZIE 13 FEE	Well No. 001H

Surface Location

UL or Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
M	13	16S	24E	M	660	S	760	W	Eddy

Bottom Holes

Pool: wildcat									
UL or Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
D	13	16S	24E	D	660	N	760	W	Eddy

Well Type New Well	Well Type GAS	Cable/Rotary	Lease Type Private	Ground Level Elevation 3590
Multiple N	Proposed Depth 5200	Formation Wolfcamp	Contractor	Spud Date

Proposed Casing and Cement Program

Type	Hole Size	Casing Size	Casing Weight/ft	Setting Depth	Sacks of Cement	Estimated TOC
Surf	12.25	9.625	40	900	325	0
Prod	8.75	5.5	17	8500	750	0

Proposed Blowout Prevention Program

Type	Working Pressure	Test Pressure	Manufacturer
Double Ram	5000	5000	

I hereby certify that the information given above is true and complete to the best of my knowledge and belief.		OIL CONSERVATION DIVISION	
Electronically Signed By: Stan Wagner		Electronically Approved By: Bryan Arrant	
Title: Regulatory Analyst		Title: Geologist	
Date: 04/25/2005	Phone: 432-686-3689	Approval Date: 05/06/2005	Expiration Date: 05/06/2006
		Conditions of Approval: There are conditions. See Attached.	

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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 10311

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-015-34097	Pool Name wildcat	Pool Code
Property Code 34779	Property Name MACKENZIE 13 FEE	Well No. 001H
OGRID No. 7377	Operator Name EOG RESOURCES INC	Elevation 3590

Surface Location

UL or Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
M	13	16S	24E	M	660	S	760	W	Eddy

Bottom Hole Location If Different From Surface

UL or Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
D	13	16S	24E	D	660	N	760	W	Eddy
Dedicated Acres 320		Joint or Infill		Consolidation Code		Order No.			

☒			
☒			

OPERATOR CERTIFICATION

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

Electronically Signed By: Stan Wagner

Title: Regulatory Analyst

Date: 04/25/2005

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.

Surveyed By: V.L. Bezner

Date of Survey: 03/08/2005

Certificate Number: 7920

Permit Conditions Of Approval
C-101, Permit 10311

Operator: EOG RESOURCES INC , 7377

Well: MACKENZIE 13 FEE #001H

OCD Reviewer	Condition
BARRANT	OPERATOR TO DRILL SURFACE HOLE WITH AIR OR FRESH WATER MUD ONLY.
BARRANT	OPERATOR TO NOTIFY OCD TIME OF SPUD AND TIME TO WITNESS THE CEMENTING TO SURFACE OF ALL CASING STRINGS.

DISTRICT I

1625 N. French Dr., Hobbs, NM 88240

State of New Mexico

Form C-102

Energy, Minerals, and Natural Resources Department

Revised August 15, 2000

DISTRICT II

1301 W. Grand Avenue, Artesia, NM 88210

Submit to Appropriate District Office

State Lease - 4 copies

Fee Lease - 3 copies

DISTRICT III

1000 Rio Brazos Rd., Aztec, NM 87410

1220 South St. Francis Dr.

Santa Fe, New Mexico 87505

DISTRICT IV

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

☐ AMENDED REPORT**WELL LOCATION AND ACREAGE DEDICATION PLAT**

¹ API Number		² Pool Code		³ Pool Name Wildcat	
⁴ Property Code		⁵ Property Name MACKENZIE "13" FEE			⁶ Well Number 1H
⁷ OGRID No. 7377		⁸ Operator Name EOG RESOURCES, INC.			⁹ Elevation 3590'

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
M	13	16 SOUTH	24 EAST, N.M.P.M.		660'	SOUTH	760'	WEST	EDDY

¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
D	13	16 SOUTH	24 EAST, N.M.P.M.		660'	NORTH	760'	WEST	EDDY
¹² Dedicated Acres 320		¹³ Joint or Infill		¹⁴ Consolidation Code		¹⁵ Order No.			

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

	--- Project Area == Producing Area	RECEIVED MAY 02 2005 OOD-ARTESIA	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 4/20/2005 Date
	18 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 are true and correct to the best of my belief. DATE OF SURVEY: MARCH 8, 2005 DATE OF PLAT: MAY 02, 2005 Signature and Seal of Professional Surveyor V. LYNN BEZNER NO. 7920 PROFESSIONAL LAND SURVEYOR Certificate Number V. L. BEZNER R.P.S. #7920 JOB #101803 / 101 SE / E.U.O.		

Permit Information:

Well Name: MacKenzie 13 Fee Com #1H

Location:

SL 660' FSL & 760' FWL, Section 13, T-16-S, R-24-E, Eddy Co., N.M.

BHL 660' FNL & 760' FWL, Section 13, 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"	9-5/8"	40#	J-55	Surface
Production	8,500'	8-3/4" and 7-7/8"	5 1/2"	17#	P-110	Surface

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APR 27 2005

OCD-ARTESIA

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
8,500'	350	Lead: Interfill C + 1/4 pps Flocele
	400	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 - 900'	Fresh - Gel	8.6-8.8	28-34	N/c
900' - 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
4,400' - 8,500'	Polymer (Lateral)	9.0-9.4	40-45	10-25

EOG Resources Inc

Planning Report

Company: EOG Resources				Date: 4/29/2005		Time: 12:42:19		Page: 1	
Field: Thames				Co-ordinate (NE) Reference: Site: MacKenzie13 Fee #1H, Grid North					
Site: MacKenzie13 Fee #1H				Vertical (TVD) Reference: SITE 3608.0					
Well: MacKenzie 13 Fee #1H				Section (VS) Reference: Site (0.00N,0.00E,0.00Azi)					
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: igrf2000	

Site: MacKenzie13 Fee #1H				
Site Position:	Northing:	697531.00 ft	Latitude:	32 55 2.662 N
From: Map	Easting:	434197.00 ft	Longitude:	104 32 51.961 W
Position Uncertainty:	0.00 ft		North Reference:	Grid
Ground Level:	3590.00 ft		Grid Convergence:	-0.12 deg

Well: MacKenzie 13 Fee #1H				Slot Name:		
Well Position:	+N/-S	0.00 ft	Northing:	697531.00 ft	Latitude:	32 55 2.662 N
	+E/-W	0.00 ft	Easting:	434197.00 ft	Longitude:	104 32 51.961 W
Position Uncertainty:	0.00 ft					

Wellpath: Lateral				Drilled From: Surface		
Current Datum: SITE				Tie-on Depth: 0.00 ft		
Magnetic Data: 4/28/2005				Above System Datum: Mean Sea Level		
Field Strength: 49724 nT				Declination: 9.05 deg		
Vertical Section: Depth From (TVD)				Mag Dip Angle: 60.89 deg		
	ft	+N/-S	ft	+E/-W	ft	Direction deg
0.00		0.00		0.00		0.00

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 MAY 02 2005
 OOD-ARTSOM

Plan: Plan #1		Date Composed: 4/28/2005	
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	
4356.00	0.00	0.00	4356.00	0.00	0.00	0.00	0.00	0.00	0.00	
4956.00	90.00	0.20	4737.97	381.97	1.33	15.00	15.00	0.00	0.20	
5014.49	93.42	0.20	4736.23	440.43	1.54	5.85	5.85	0.00	0.00	
5020.55	93.42	0.20	4735.87	446.48	1.56	0.00	0.00	0.00	0.00	
5074.11	90.57	0.20	4734.00	500.00	1.75	5.31	-5.31	0.00	-180.00	T1
5574.14	90.57	0.20	4729.00	999.99	3.49	0.00	0.00	0.00	0.00	T2
5577.97	90.46	0.20	4728.97	1003.82	3.50	3.00	-3.00	0.00	180.00	
6572.25	90.46	0.20	4721.02	1998.07	6.97	0.00	0.00	0.00	0.00	
6574.17	90.52	0.20	4721.00	1999.99	6.98	3.00	3.00	0.00	0.00	T3
7574.21	90.52	0.20	4712.00	2999.98	10.47	0.00	0.00	0.00	0.00	T4
7575.99	90.53	0.15	4711.98	3001.76	10.48	3.00	1.08	-2.80	-68.83	
8536.24	90.53	0.15	4703.02	3961.97	12.99	0.00	0.00	0.00	0.00	
8538.27	90.50	0.20	4703.00	3964.00	13.00	3.00	-1.72	2.46	125.04	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			

EOG Resources Inc

Planning Report

Company: EOG Resources	Date: 4/29/2005	Time: 12:42:19	Page: 2
Field: Thames	Co-ordinate(NE) Reference: Site: MacKenzie13/Fee #1H, Grid North		
Site: MacKenzie13/Fee #1H	Vertical (TVD) Reference: SITE 3608.0		
Well: MacKenzie 13 Fee #1H	Section (VS) Reference: Site (0.00N,0.00E 0.00Az)		
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
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	0.00	0.00	0.00	Keeper Cone
1400.00	0.00	0.00	1400.00	0.00	0.00	0.00	0.00	0.00	0.00	Keeper Cone
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
4356.00	0.00	0.00	4356.00	0.00	0.00	0.00	0.00	0.00	0.00	Keeper Cone
4400.00	6.60	0.20	4399.90	2.53	0.01	2.53	15.00	15.00	0.00	Keeper Cone
4500.00	21.60	0.20	4496.61	26.82	0.09	26.82	15.00	15.00	0.00	Keeper Cone
4600.00	36.60	0.20	4583.74	75.32	0.26	75.32	15.00	15.00	0.00	Keeper Cone
4700.00	51.60	0.20	4655.35	144.71	0.51	144.71	15.00	15.00	0.00	Keeper Cone
4800.00	66.60	0.20	4706.56	230.27	0.80	230.27	15.00	15.00	0.00	Keeper Cone
4900.00	81.60	0.20	4733.87	326.17	1.14	326.17	15.00	15.00	0.00	Keeper Cone
4956.00	90.00	0.20	4737.97	381.97	1.33	381.97	15.00	15.00	0.00	Keeper Cone
5000.00	92.57	0.20	4736.98	425.95	1.49	425.95	5.85	5.85	0.00	Keeper Cone
5014.49	93.42	0.20	4736.23	440.43	1.54	440.43	5.85	5.85	0.00	Keeper Cone
5020.55	93.42	0.20	4735.87	446.48	1.56	446.48	0.00	0.00	0.00	Keeper Cone
5074.11	90.57	0.20	4734.00	500.00	1.75	500.00	5.31	-5.31	0.00	Keeper Cone
5100.00	90.57	0.20	4733.74	525.88	1.84	525.88	0.00	0.00	0.00	Keeper Cone
5200.00	90.57	0.20	4732.74	625.88	2.18	625.88	0.00	0.00	0.00	Keeper Cone
5300.00	90.57	0.20	4731.74	725.87	2.53	725.87	0.00	0.00	0.00	Keeper Cone
5400.00	90.57	0.20	4730.74	825.87	2.88	825.87	0.00	0.00	0.00	Keeper Cone
5500.00	90.57	0.20	4729.74	925.86	3.23	925.86	0.00	0.00	0.00	Keeper Cone
5574.14	90.57	0.20	4729.00	999.99	3.49	999.99	0.00	0.00	0.00	Keeper Cone

EOG Resources Inc

Planning Report

Company: EOG Resources	Date: 4/29/2005	Time: 12:42:19	Page: 3
Field: Thames	Co-ordinate(N/E) Reference:	Site: MacKenzie13 Fee #1H	Grid: North
Site: MacKenzie13 Fee #1H	Vertical (TVD) Reference:	SITE:3608.0	
Well: MacKenzie 13 Fee #1H	Section (VS) Reference:	Site (0.00N,0.00E,0.00Azi)	
Wellpath: Lateral	Plan:	Plan:#1	

Survey

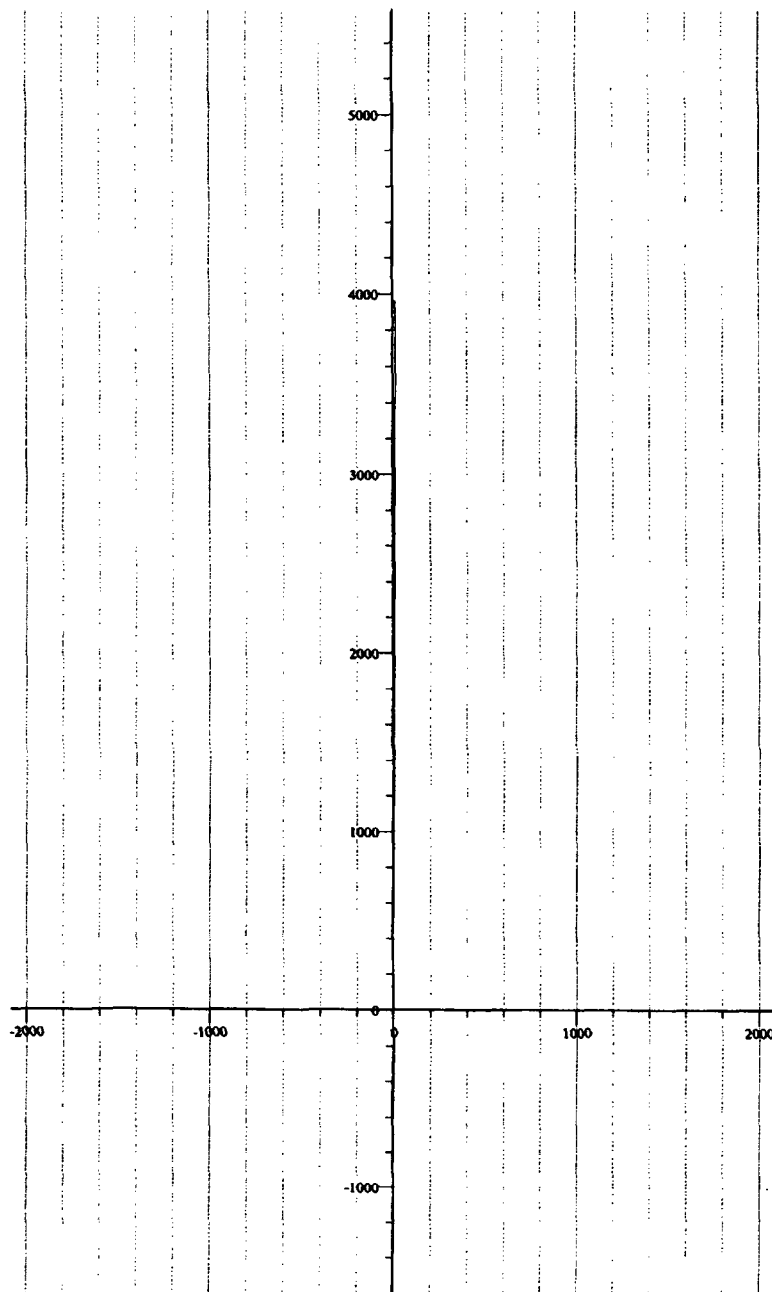
MD ft	Incl deg	Azim deg	TVD ft	N/S ft	E/W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	Tool/Comment
5577.97	90.46	0.20	4728.97	1003.82	3.50	1003.82	3.00	-3.00	0.00	Keeper Cone
5600.00	90.46	0.20	4728.79	1025.86	3.58	1025.86	0.00	0.00	0.00	Keeper Cone
5700.00	90.46	0.20	4727.99	1125.85	3.93	1125.85	0.00	0.00	0.00	Keeper Cone
5800.00	90.46	0.20	4727.19	1225.85	4.28	1225.85	0.00	0.00	0.00	Keeper Cone
5900.00	90.46	0.20	4726.39	1325.84	4.63	1325.84	0.00	0.00	0.00	Keeper Cone
6000.00	90.46	0.20	4725.59	1425.84	4.98	1425.84	0.00	0.00	0.00	Keeper Cone
6100.00	90.46	0.20	4724.79	1525.84	5.33	1525.84	0.00	0.00	0.00	Keeper Cone
6200.00	90.46	0.20	4723.99	1625.83	5.68	1625.83	0.00	0.00	0.00	Keeper Cone
6300.00	90.46	0.20	4723.19	1725.83	6.02	1725.83	0.00	0.00	0.00	Keeper Cone
6400.00	90.46	0.20	4722.39	1825.83	6.37	1825.83	0.00	0.00	0.00	Keeper Cone
6500.00	90.46	0.20	4721.59	1925.82	6.72	1925.82	0.00	0.00	0.00	Keeper Cone
6572.25	90.46	0.20	4721.02	1998.07	6.97	1998.07	0.00	0.00	0.00	Keeper Cone
6574.17	90.52	0.20	4721.00	1999.99	6.98	1999.99	3.00	3.00	0.00	Keeper Cone
6600.00	90.52	0.20	4720.77	2025.82	7.07	2025.82	0.00	0.00	0.00	Keeper Cone
6700.00	90.52	0.20	4719.87	2125.81	7.42	2125.81	0.00	0.00	0.00	Keeper Cone
6800.00	90.52	0.20	4718.97	2225.81	7.77	2225.81	0.00	0.00	0.00	Keeper Cone
6900.00	90.52	0.20	4718.07	2325.80	8.12	2325.80	0.00	0.00	0.00	Keeper Cone
7000.00	90.52	0.20	4717.17	2425.80	8.47	2425.80	0.00	0.00	0.00	Keeper Cone
7100.00	90.52	0.20	4716.27	2525.79	8.82	2525.79	0.00	0.00	0.00	Keeper Cone
7200.00	90.52	0.20	4715.37	2625.79	9.17	2625.79	0.00	0.00	0.00	Keeper Cone
7300.00	90.52	0.20	4714.47	2725.79	9.51	2725.79	0.00	0.00	0.00	Keeper Cone
7400.00	90.52	0.20	4713.57	2825.78	9.86	2825.78	0.00	0.00	0.00	Keeper Cone
7500.00	90.52	0.20	4712.67	2925.78	10.21	2925.78	0.00	0.00	0.00	Keeper Cone
7574.21	90.52	0.20	4712.00	2999.98	10.47	2999.98	0.00	0.00	0.00	Keeper Cone
7575.99	90.53	0.15	4711.98	3001.76	10.48	3001.76	3.00	1.08	-2.80	Keeper Cone
7600.00	90.53	0.15	4711.76	3025.77	10.54	3025.77	0.00	0.00	0.00	Keeper Cone
7700.00	90.53	0.15	4710.83	3125.77	10.80	3125.77	0.00	0.00	0.00	Keeper Cone
7800.00	90.53	0.15	4709.89	3225.76	11.06	3225.76	0.00	0.00	0.00	Keeper Cone
7900.00	90.53	0.15	4708.96	3325.76	11.33	3325.76	0.00	0.00	0.00	Keeper Cone
8000.00	90.53	0.15	4708.02	3425.75	11.59	3425.75	0.00	0.00	0.00	Keeper Cone
8100.00	90.53	0.15	4707.09	3525.75	11.85	3525.75	0.00	0.00	0.00	Keeper Cone
8200.00	90.53	0.15	4706.16	3625.74	12.11	3625.74	0.00	0.00	0.00	Keeper Cone
8300.00	90.53	0.15	4705.22	3725.74	12.37	3725.74	0.00	0.00	0.00	Keeper Cone
8400.00	90.53	0.15	4704.29	3825.73	12.64	3825.73	0.00	0.00	0.00	Keeper Cone
8500.00	90.53	0.15	4703.36	3925.73	12.90	3925.73	0.00	0.00	0.00	Keeper Cone
8538.27	90.50	0.20	4703.00	3964.00	13.00	3964.00	0.16	-0.09	0.13	Keeper Cone

Field: Thames
 Site: MacKenzie 13 For #1H
 Well: MacKenzie 13 For #1H
 Wellpath: Lateral
 Plan: Plan #1

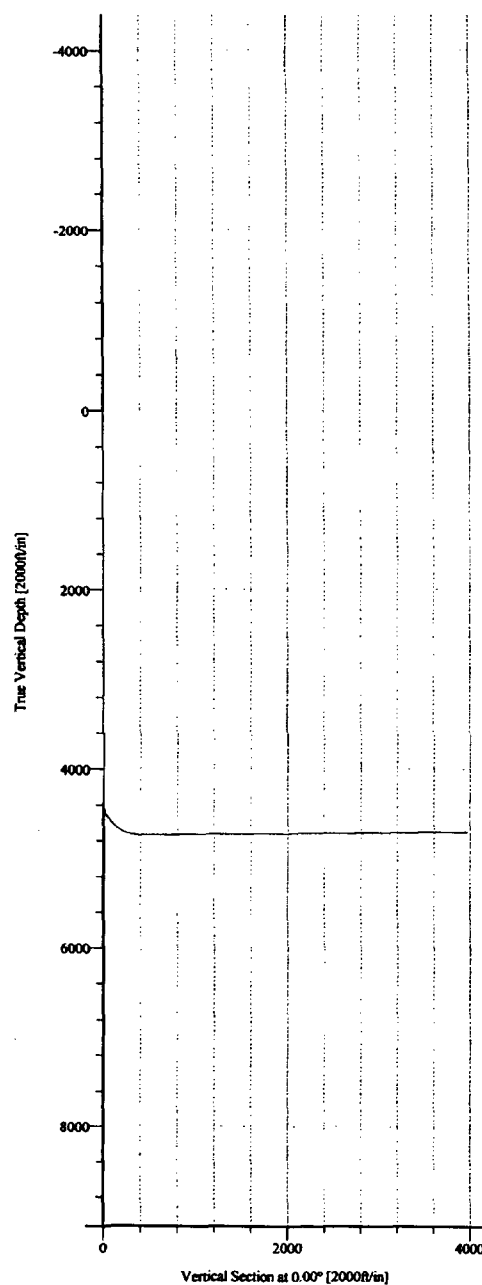


Azimuths to Grid North
 True North: 0.12°
 Magnetic North: 9.17°
 Magnetic Field
 Strength: 49724nT
 Dip Angle: 60.89°
 Date: 4/28/2005
 Model: igr2000

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



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



Office
District I
1625 N. French Dr., Hobbs, NM 87240
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 South St. Francis Dr.
Santa Fe, NM 87505

Form C-103
May 27, 2004

SUNDRY NOTICES AND REPORTS ON WELLS
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

1. Type of Well: Oil Well ☐ Gas Well ☒ Other ☐		RECEIVED	
2. Name of Operator EOG Resources Inc.		JUL 0 5 2005	
3. Address of Operator P.O. Box 2267 Midland, Texas 79702		OCD-ARTESIA	
4. Well Location Unit Letter <u>M</u> : <u>660</u> feet from the <u>South</u> line and <u>760</u> feet from the <u>West</u> line Section <u>13</u> Township <u>16S</u> Range <u>24E</u> NMPM County <u>Eddy</u>			
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3590 GR			
Pit or Below-grade Tank Application ☐ or Closure ☐ Pit type _____ Depth to Groundwater _____ Distance from nearest fresh water well _____ Distance from nearest surface water _____ Pit Liner Thickness: _____ mil Below-Grade Tank: Volume _____ bbls; Construction Material _____			

12. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐
TEMPORARILY ABANDON ☐ CHANGE PLANS ☐
PULL OR ALTER CASING ☐ MULTIPLE COMPLETION ☐
OTHER: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐
COMMENCE DRILLING OPNS. ☐ PLUG AND ABANDONMENT ☐
CASING TEST AND CEMENT JOB ☒
OTHER: ☐

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

6/20/05 Spud well @ 1:00 AM.

Ran 20 jts 8 5/8", 32 #, J-55 surface casing set @ 910'.

Cemented 1st stage w/ 55 sx 50:50 POZ C + additives, 12.0 ppg, 2.52 cu.ft./sx; followed by 200 sx Class C, 14.8 ppg, 1.32 cu.ft./sx. Open DV tool (416'). CIRC 55 sx lead, 50 sx tail to surface. Cemented 2nd stage 255 sx 35:65 POZ C followed by 200 sx Class C, 14.8 ppg, 1.32 cu.ft./sx. Did not circulate. WOC 6 hrs for temperature survey. TOC @ 150'.

Notified NMOCD - Phil Hawkins, permission given to use 1" pipe. Cement thru 1" pipe w/ 50 sx Class C. Est TOC @ 120'. WOC 2 hrs. Run 1" & tag cement @ 122'.

I hereby certify that the information above is true and complete to the best of my knowledge and belief. I further certify that any pit or below-grade tank has been/will be constructed or closed according to NMOCD guidelines ☐ , a general permit ☐ or an (attached) alternative OCD-approved plan ☐

SIGNATURE Stan Wagner TITLE Regulatory Analyst DATE 6/30/05

Type or print name Stan Wagner

E-mail address:

Telephone No. 432 686 3689

For State Use Only

FOR RECORDS ONLY

APPROVED BY _____ TITLE _____ DATE JUL 0 6 2005

Conditions of Approval, if any:

Submit 3 Copies To Appropriate District

Office
District I
1625 N. French Dr., Hobbs, NM 87240
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 South St. Francis Dr.
Santa Fe, NM 87505

Form C-103
May 27, 2004

WELL API NO. 30-015-34097
5. Indicate Type of Lease STATE ☐ FEE ☒
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name: Mackenzie 13 Fee
8. Well Number 1H
9. OGRID Number 7377
10. Pool name or Wildcat Wildcat

SUNDRY NOTICES AND REPORTS ON WELLS
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

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

RECEIVED

2. Name of Operator
EOG Resources Inc.

JUL 05 2005

3. Address of Operator
P.O. Box 2267 Midland, Texas 79702

4. Well Location

Unit Letter **M** : **660** feet from the **South** line and **760** feet from the **West** line

Section **13** Township **16S** Range **24E** NMPM County **Eddy**

11. Elevation (Show whether DR, RKB, RT, GR, etc.)
3590 GR

Pit or Below-grade Tank Application ☐ or Closure ☐

Pit type _____ Depth to Groundwater _____ Distance from nearest fresh water well _____ Distance from nearest surface water _____

Pit Liner Thickness: _____ mil Below-Grade Tank: Volume _____ bbls; Construction Material _____

12. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐
TEMPORARILY ABANDON ☐ CHANGE PLANS ☐
PULL OR ALTER CASING ☐ MULTIPLE COMPLETION ☐

OTHER: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐
COMMENCE DRILLING OPNS. ☐ PLUG AND ABANDONMENT ☐
CASING TEST AND CEMENT JOB ☒

OTHER: ☐

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

6/20/05 Cement w/ 50 sx Class C, 14.8 ppg, 1.32 cu.ft./sx. CIRC 14 sx to surface. WOC 20.5 hrs.
6/23/05 Tested casing to 1000 psi for 30 min. Test good.

I hereby certify that the information above is true and complete to the best of my knowledge and belief. I further certify that any pit or below-grade tank has been/will be constructed or closed according to NMOCD guidelines ☐ , a general permit ☐ or an (attached) alternative OCD-approved plan ☐

SIGNATURE Stan Wagner TITLE Regulatory Analyst DATE 6/30/05

Type or print name **Stan Wagner**

E-mail address:

Telephone No. **432 686 3689**

For State Use Only

APPROVED BY _____ TITLE _____ DATE _____

Conditions of Approval, if any: