I&E-CFO OCD-ARTESIA

Form 3160-5
(February 2005)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

5. Lease Serial No.
~~NM 111400~~ / NM2346

6. If Indian, Allottee or Tribe Name

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

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

JUL 24 2007
OCD-ARTESIA

8. Well Name and No.
Crusoe BKD Fed Com 1H

2. Name of Operator
EOG Resources Inc.

9. API Well No.
30-015-34729

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

3b. Phone No. *(include area code)*
432 686 3689

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

4. Location of Well *(Footage, Sec., T., R., M., or Survey Description)*
660' FNL & 700' FEL, U/L A, Sec 24, 16S, 24E SL
760' FNL & 660' FWL, U/L D, Sec 24, 16S, 24E BHL

11. County or Parish, State
Eddy NM

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 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 recomplete 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 recompletion 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.)

EOG Resources, Inc. wishes to accept responsibility as operator for the Crusoe BKD Fed Com 1H. BLM Bond Number on file NM 2308.

Additionally, EOG wishes to amend the Bottom Hole Location and Drilling Program for the subject well as explained in the attached documents.

EOG respectfully requests an expedited approval of this sundry due to rig scheduling.

RECEIVED
2007 JUL 11 PM 3:30
BUREAU OF LAND MANAGEMENT
CARLSBAD FIELD OFFICE

APPROVED
JUL 19 2007
JAMES A. AMOS
SUPERVISOR-EPS

OK as to operator Change J. Amos 7/12/07

14. I hereby certify that the foregoing is true and correct
Name *(Printed/Typed)* Stan Wagner — Title Regulatory Analyst

Signature — Date 7/11/07

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by /s/ Don Peterson — Title — Date JUL 20 2007

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.

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	Pool Code	Pool Name
30-015-34729	75260	Cottonwood Creek; Wolfcamp West

Property Code	Property Name	Well Number
	CRUSOE BKO FED. COM	1H

OGRID No.	Operator Name	Elevation
7377	EOG RESOURCES, INC.	3590'

Surface Location

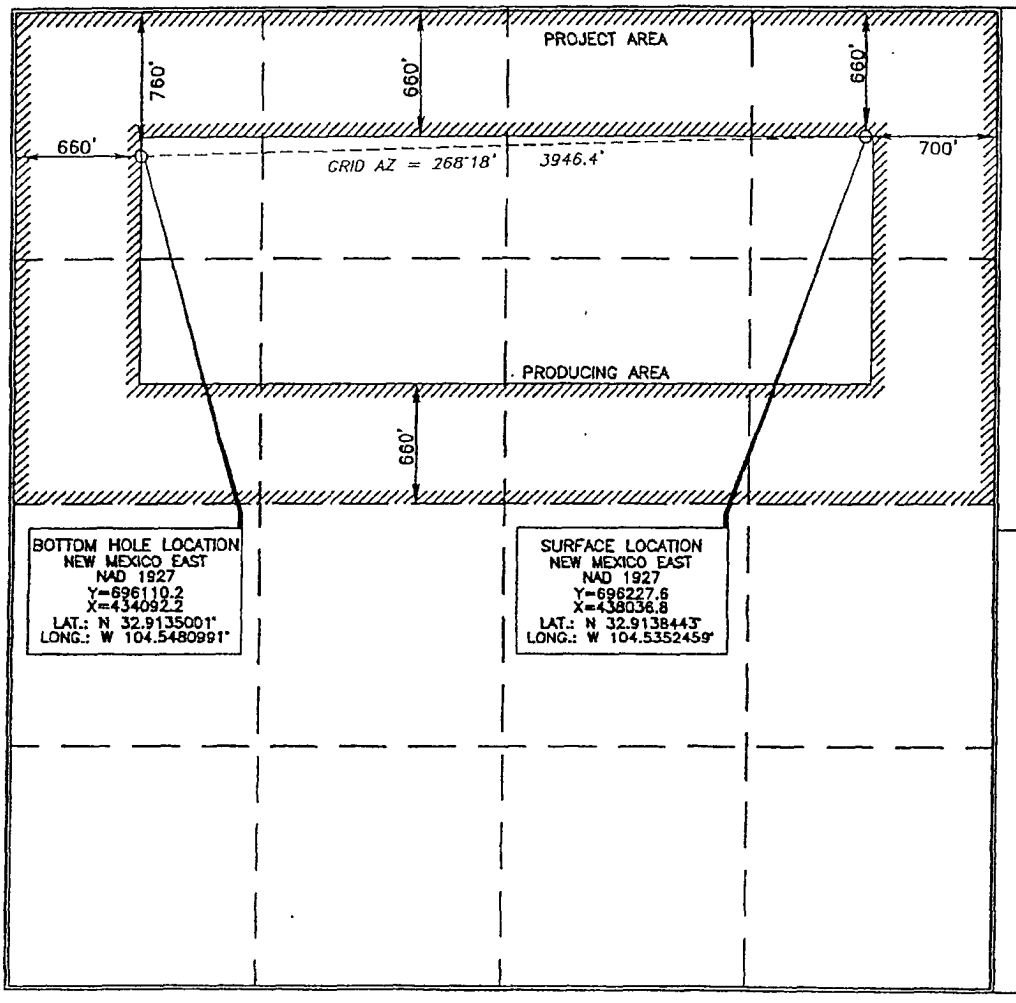
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	24	16 SOUTH	24 EAST, N.M.P.M.		660'	NORTH	700'	EAST	EDDY

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

Dedicated Acres	Joint or Infill	Consolidation Code	Order No.
320			

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.

Signature — Date: 7/6/2007

Donny G. Glanton
Printed Name

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.

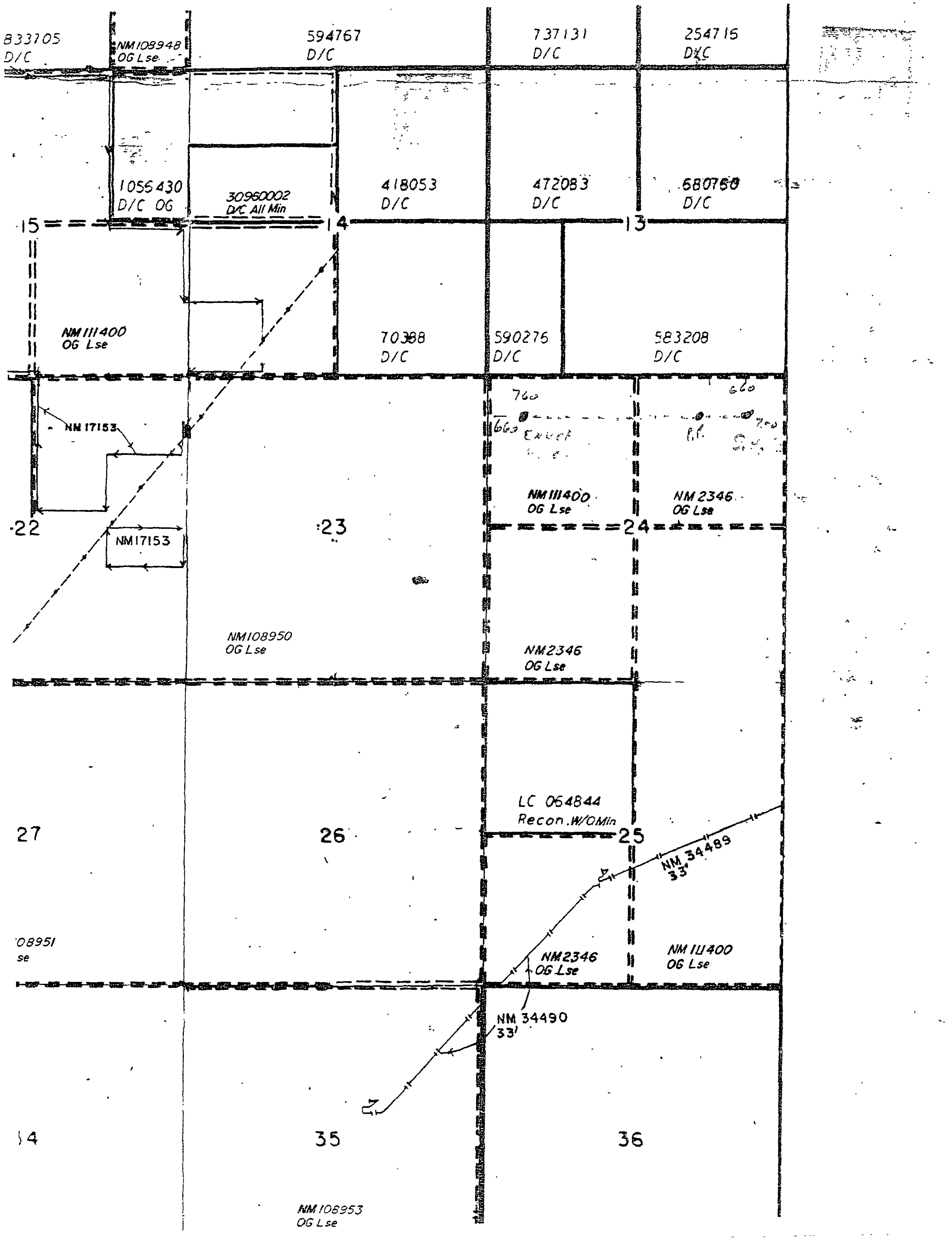
JUNE 20, 2007
Date of Survey

Signature and Seal of Professional Surveyor

NEW MEXICO 15079 REGISTERED PROFESSIONAL LAND SURVEYOR

Certificate Number 15079

WO# 070620WL-a (JL)



833705
D/C
NM108948
OG Lse
594767
D/C
737131
D/C
254715
D/C
1056430
D/C OG
30960002
D/C All Min
418053
D/C
472083
D/C
680760
D/C
15
14
13
NM 111400
OG Lse
70388
D/C
590276
D/C
583208
D/C
NM 17153
NM 111400
OG Lse
NM 2346
OG Lse
22
23
24
NM17153
NM108950
OG Lse
NM2346
OG Lse
LC 064844
Recon. W/OMin
27
26
25
NM 34489
33'
08951
se
NM2346
OG Lse
NM 111400
OG Lse
NM 34490
33'
34
35
36
NM 108953
OG Lse

Permit Information:

Well Name: Crusoe BKO Fed Com #1H Revised 7/19/07

Location:
SL 660' FNL & 700' FEL, Section 24, T-16-S, R-24-E, Eddy Co., N.M.
BHL 760' FNL & 660' FWL, Section 24, 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	8,487'	7-7/8"	5 ½"	17#	N-80	Surface

Cement Program:

Depth	No. Sacks	Slurries:
900'	200	Lead: Premium Plus + 2% $CaCl_2$ + 3% Econolite + ¼ pps Flocele
	175	Tail: Premium Plus + 2% $CaCl_2$ + ¼ pps Flocele
8,487'	450	Lead: Interfill C + ¼ pps Flocele
	800	Tail: 50:50 Poz Premium C + 0.5% LAP-1 + 0.2% Econolite

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' – 5,200'	Cut Brine	8.8-9.2	28-34	10-15
4,433' – 8,487'	Polymer (Lateral)	9.0-9.4	40-45	10-25

eog resources

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

June 29, 2007

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

To Whom It May Concern:

I am writing to request a waiver for the inclusion of an H_2S Contingency Plan for the Crusoe BKO Fed Com #1H. The current plan is to complete this well in the Wolfcamp, which is sweet, and I do not anticipate encountering any H_2S bearing formations during drilling operations.

Sincerely,

Jason LaGrega
Drilling Engineer

Sundry Crown Change of operator

CRUSOE BKO Fed #1H

NM111430

EOG to

3001534729

Donnie Glanton
970-0502
432-686-3692

called 7/11/07
message

Database:	EDM	**Local Co-ordinate Reference:**	Well Crusoe BKO Fed Com #1H
Company:	EOG - Midland (3)	**TVD Reference:**	WELL @ 3609.00ft (Original Well Elev)
Project:	Thames	**MD Reference:**	WELL @ 3609.00ft (Original Well Elev)
Site:	Crusoe BKO Fed Com #1H	**North Reference:**	Grid
Well:	Crusoe BKO Fed Com #1H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Crusoe BKO Fed Com #1H		
Design:	Original Plan		

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	Crusoe BKO Fed Com #1H				
Site Position:		**Northing:**	696,227 60ft	**Latitude:**	32° 54' 49.839 N
From:	Map	**Easting:**	438,036.80ft	**Longitude:**	104° 32' 6.886 W
Position Uncertainty:	0.00 ft	**Slot Radius:**	"	**Grid Convergence:**	-0.11 °

Well	Crusoe BKO Fed Com #1H					
Well Position	**+N/-S**	0.00 ft	**Northing:**	696,227.60 ft	**Latitude:**	32° 54' 49.839 N
	+E/-W	0.00 ft	**Easting:**	438,036.80 ft	**Longitude:**	104° 32' 6.886 W
Position Uncertainty		0.00 ft	**Wellhead Elevation:**	ft	**Ground Level:**	3,590.00ft

Wellbore	Crusoe BKO Fed Com #1H				
Magnetics	**Model Name**	**Sample Date**	**Declination (°)**	**Dip Angle (°)**	**Field Strength (nT)**
	User Defined	*6/29/2007*	*0 00*	*0 00*	*0*

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 (°)**	
	4,655 00	0.00	0.00	268.30	

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	
4,258 00	0.00	360 00	4,258.00	0.00	0 00	0.00	0.00	0.00	360.00	
5,015.12	90.00	262 00	4,740.00	-67.08	-477.31	11.89	11.89	0.00	262 00	
6,015.12	90.00	270.37	4,740.00	-133.56	-1,474.21	0.84	0.00	0.84	90 00	
6,081.71	92.00	270.37	4,738.84	-133.12	-1,540.77	3 00	3 00	0.01	0.14	
8,486.86	92.00	270.37	4,655.01	-117.40	-3,944.42	0.00	0.00	0.00	0 00	
8,487 05	92.00	270.37	4,655.00	-117.40	-3,944.60	3 00	1 39	-2.66	0.00	Crusoe BKO Fed C

Database:	EDM	**Local Co-ordinate Reference:**	Well Crusoe BKO Fed Com #1H
Company:	EOG - Midland (3)	**TVD Reference:**	WELL @ 3609.00ft (Original Well Elev)
Project:	Thames	**MD Reference:**	WELL @ 3609.00ft (Original Well Elev)
Site:	Crusoe BKO Fed Com #1H	**North Reference:**	Grid
Well:	Crusoe BKO Fed Com #1H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Crusoe BKO Fed Com #1H		
Design:	Original Plan		

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
3,900 00	0.00	360.00	3,900.00	0.00	0.00	0.00	0 00	0.00	0.00
4,000.00	0.00	360 00	4,000.00	0.00	0.00	0.00	0.00	0.00	0.00
4,100.00	0.00	360.00	4,100.00	0.00	0.00	0.00	0.00	0.00	0.00
4,200.00	0.00	360.00	4,200.00	0.00	0.00	0.00	0.00	0.00	0.00
4,258.00	0.00	360 00	4,258.00	0 00	0.00	0.00	0.00	0.00	0.00
4,300.00	4.99	262 00	4,299.95	-0.25	-1.81	1.82	11 89	11.89	0.00
4,400.00	16.88	262.00	4,397.95	-2.89	-20.56	20.64	11.89	11.89	0.00
4,500.00	28 77	262 00	4,489.96	-8.28	-58.91	59.13	11.89	11.89	0.00
4,600.00	40.65	262.00	4,572.02	-16.19	-115.19	115.62	11.89	11 89	0 00
4,700.00	52.54	262 00	4,640.61	-26.28	-187.01	187 71	11.89	11 89	0.00
4,800.00	64.43	262 00	4,692.79	-38 13	-271.28	272.30	11.89	11.89	0 00
4,900.00	76.32	262 00	4,726.32	-51.21	-364 39	365 75	11.89	11.89	0.00
5,000.00	88.20	262 00	4,739.76	-64.98	-462.34	464.06	11 89	11.89	0.00
5,015.12	90.00	262.00	4,740.00	-67 08	-477.31	479.09	11.89	11.89	0 00
5,100.00	90.00	262.71	4,740.00	-78.37	-561.43	563.51	0.84	0.00	0.84

Database:	EDM	**Local Co-ordinate Reference:**	Well Crusoe BKO Fed Com #1H
Company:	EOG - Midland (3)	**TVD Reference:**	WELL @ 3609.00ft (Original Well Elev)
Project:	Thames	**MD Reference:**	WELL @ 3609.00ft (Original Well Elev)
Site:	Crusoe BKO Fed Com #1H	**North Reference:**	Grid
Well:	Crusoe BKO Fed Com #1H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Crusoe BKO Fed Com #1H		
Design:	Original Plan		

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)
5,200.00	90.00	263.55	4,740.00	-90.34	-660.71	663.11	0.84	0.00	0.84
5,300.00	90.00	264 38	4,740.00	-100 85	-760.16	762.82	0.84	0 00	0.84
5,400.00	90.00	265.22	4,740.00	-109.91	-859.74	862.63	0 84	0.00	0.84
5,500.00	90.00	266.06	4,740.00	-117 51	-959.45	962.53	0.84	0.00	0 84
5,600.00	90.00	266.90	4,740.00	-123 65	-1,059.26	1,062 47	0.84	0 00	0.84
5,700.00	90.00	267 73	4,740.00	-128.34	-1,159.15	1,162.46	0.84	0.00	0 84
5,800.00	90.00	268.57	4,740.00	-131.57	-1,259.10	1,262.46	0.84	0.00	0.84
5,900.00	90.00	269.41	4,740.00	-133.33	-1,359.08	1,362.45	0.84	0.00	0.84
6,000.00	90.00	270.24	4,740.00	-133.64	-1,459.08	1,462.41	0.84	0 00	0 84
6,015.12	90.00	270.37	4,740.00	-133.56	-1,474.21	1,477.53	0 84	0.00	0.84
6,081.71	92 00	270 37	4,738.84	-133.12	-1,540.77	1,544.05	3.00	3 00	0.01
6,100.00	92.00	270.37	4,738.20	-133.01	-1,559.06	1,562.32	0.00	0 00	0.00
6,200.00	92.00	270.37	4,734.72	-132.35	-1,658.99	1,662.20	0.00	0.00	0.00
6,300.00	92.00	270.37	4,731.23	-131.70	-1,758.93	1,762.07	0.00	0.00	0.00
6,400.00	92.00	270.37	4,727.75	-131.04	-1,858.87	1,861.94	0.00	0.00	0.00
6,500.00	92.00	270.37	4,724.26	-130.39	-1,958.80	1,961.82	0.00	0.00	0 00
6,600.00	92.00	270.37	4,720.77	-129.74	-2,058.74	2,061.69	0.00	0 00	0.00
6,700.00	92.00	270.37	4,717.29	-129.08	-2,158.68	2,161.56	0.00	0.00	0 00
6,800.00	92.00	270.37	4,713.80	-128.43	-2,258.62	2,261.44	0.00	0.00	0.00
6,900.00	92 00	270.37	4,710.32	-127.78	-2,358.55	2,361.31	0.00	0 00	0.00
7,000.00	92 00	270.37	4,706 83	-127.12	-2,458 49	2,461 18	0.00	0.00	0 00
7,100.00	92.00	270.37	4,703.35	-126.47	-2,558.43	2,561.06	0 00	0 00	0.00
7,200.00	92 00	270.37	4,699.86	-125.81	-2,658.36	2,660.93	0 00	0.00	0.00
7,300.00	92.00	270.37	4,696.38	-125.16	-2,758.30	2,760.80	0.00	0.00	0.00
7,400.00	92.00	270.37	4,692.89	-124.51	-2,858.24	2,860.68	0.00	0.00	0.00
7,500.00	92.00	270.37	4,689.40	-123.85	-2,958.18	2,960.55	0.00	0.00	0.00
7,600.00	92.00	270.37	4,685.92	-123.20	-3,058.11	3,060 42	0.00	0.00	0.00
7,700.00	92.00	270.37	4,682.43	-122.55	-3,158.05	3,160 30	0.00	0.00	0.00
7,800.00	92.00	270.37	4,678.95	-121.89	-3,257.99	3,260.17	0.00	0.00	0.00
7,900.00	92.00	270.37	4,675.46	-121.24	-3,357.92	3,360.04	0.00	0.00	0.00
8,000.00	92.00	270.37	4,671.98	-120.58	-3,457.86	3,459.92	0.00	0.00	0.00
8,100.00	92.00	270.37	4,668.49	-119.93	-3,557.80	3,559 79	0.00	0.00	0.00
8,200.00	92.00	270.37	4,665.01	-119.28	-3,657.74	3,659.66	0.00	0.00	0.00
8,300.00	92.00	270.37	4,661.52	-118.62	-3,757.67	3,759.54	0.00	0.00	0.00
8,400 00	92 00	270 37	4,658.03	-117 97	-3,857.61	3,859.41	0.00	0.00	0.00
8,486.86	92.00	270.37	4,655.01	-117 40	-3,944.42	3,946.17	0.00	0.00	0.00
8,487.05	92.00	270.37	4,655.00	-117.40	-3,944.60	3,946.35	3.00	1.39	-2.66
Crusoe BKO Fed Com #1H									

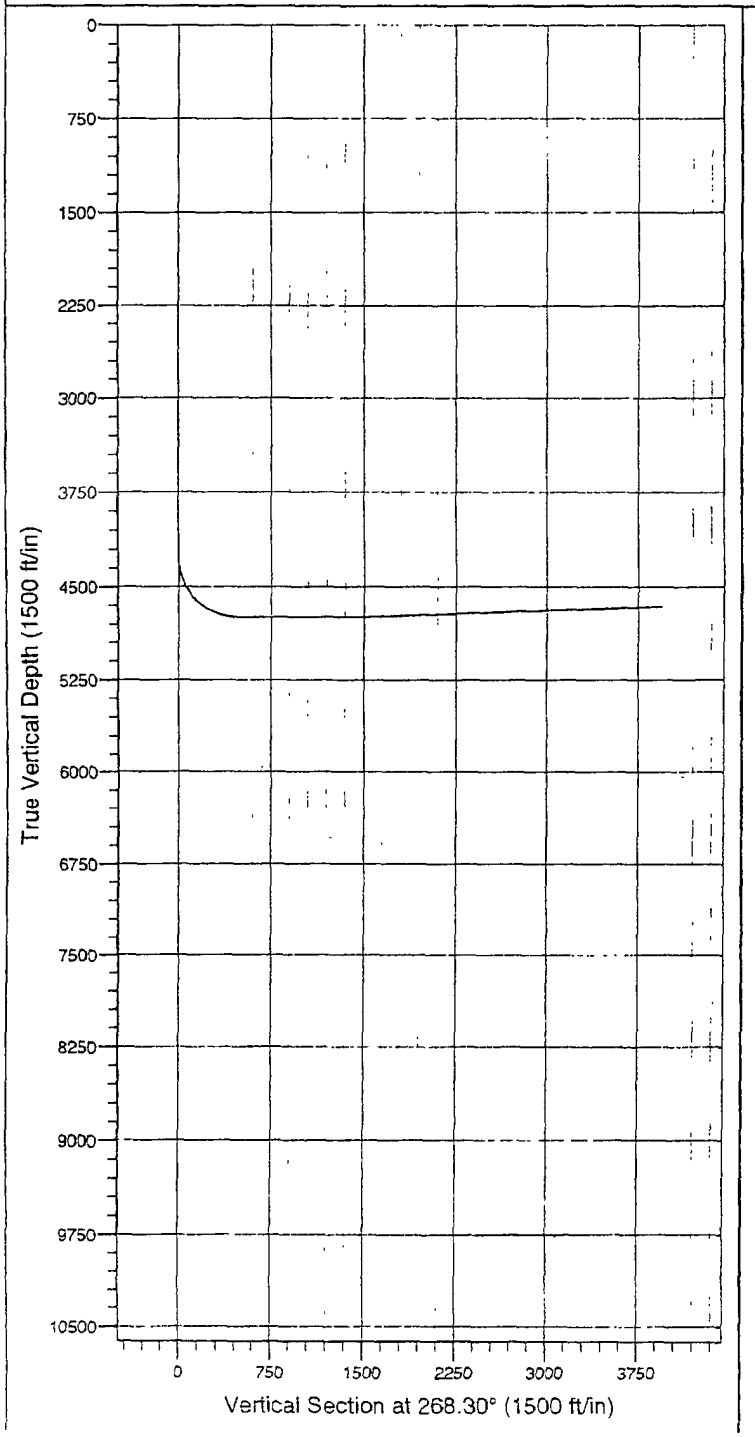
Targets

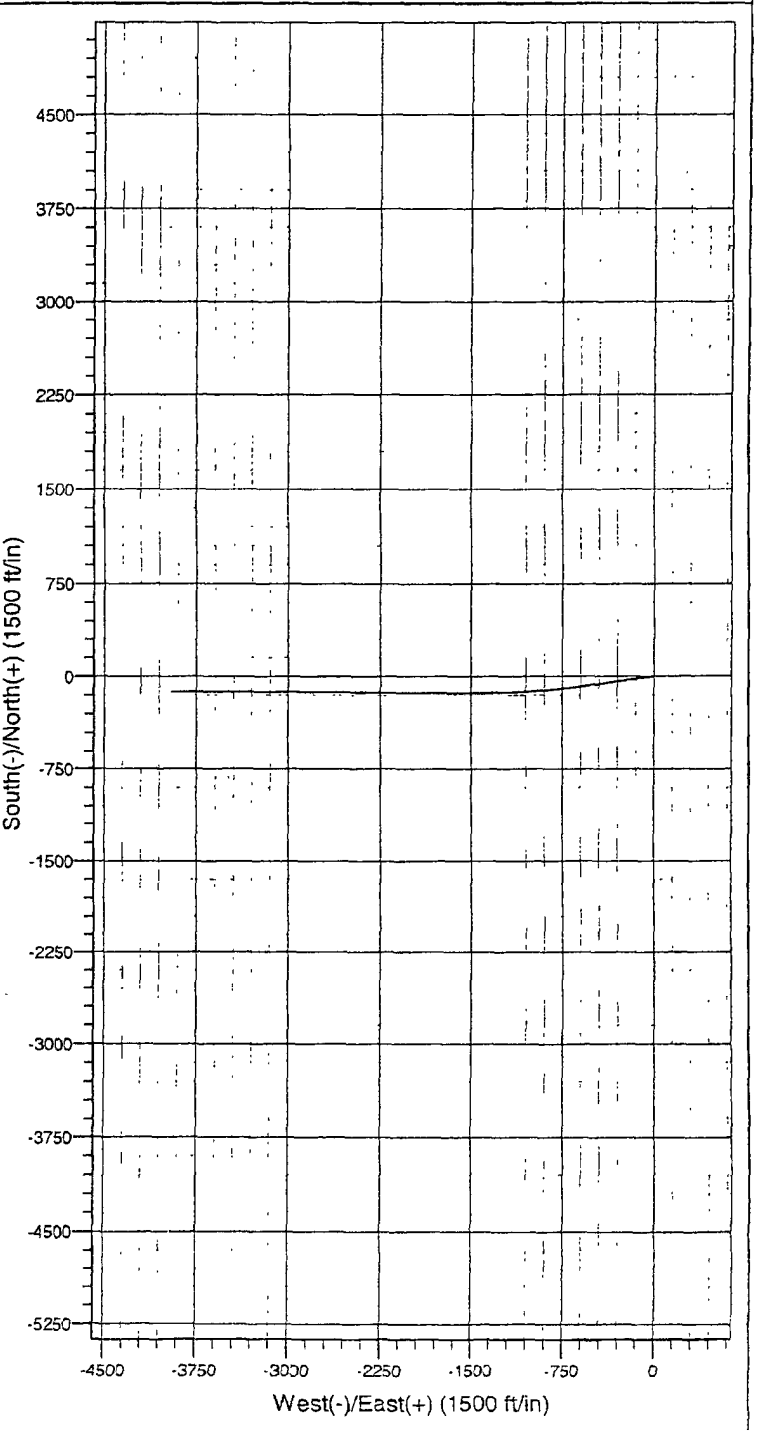
Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
Crusoe BKO Fed Con - plan hits target - Point	0.00	360 00	4,655.00	-117.40	-3,944.60	696,110 20	434,092.20	32° 54' 48.600 N	104° 32' 53.156 W

Project: Thames
Site: Crusoe BKO Fed Com #1H
Well: Crusoe BKO Fed Com #1H
Wellbore: Crusoe BKO Fed Com #1H
Design: Original Plan

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2	4258.00	0.00	360.00	4258.00	0.00	0.00	0.00	360.00	0.00	
3	5015.12	90.00	262.00	4740.00	-67.08	-477.31	11.89	262.00	479.09	
4	5015.12	90.00	270.37	4740.00	-133.56	-1474.21	0.84	90.00	1477.53	
5	5081.71	92.00	270.37	4738.84	-133.12	-1540.77	3.00	0.14	1544.05	
6	8486.86	92.00	270.37	4655.01	-117.40	-3944.42	0.00	0.00	3946.17	
7	8487.05	92.00	270.37	4655.00	-117.40	-3944.60	3.00	0.00	3946.35	Crusoe BKO Fed Com #1H





CONDITIONS OF APPROVAL - DRILLING

Operator's Name:	**EOG Resources Inc.**
Well Name & No.	**1H – Crusoe BKO Fed Com**
Location (SHL):	**0660' FNL, 0700' FEL, Sec. 24, T-16-S, R-24-E, Eddy County, NM**
Location (BHL):	**0760' FNL, 0660' FWL, Sec. 24, T-16-S, R-24-E, Eddy County, NM**
Lease:	**NM - 2346**

I. DRILLING OPERATIONS REQUIREMENTS:

A. The Bureau of Land Management (BLM) is to be notified a minimum of 2 hours in advance for a representative to witness:

1. Spudding well
2. Setting and/or Cementing of all casing strings
3. BOPE tests

- Eddy County call the Carlsbad Field Office, 620 East Greene St., Carlsbad, NM 88220, (505) 361-2822.

B. Although Hydrogen Sulfide has not been reported in this section, it is always a potential hazard.

C. Unless the production casing has been run and cemented or the well has been properly plugged, the drilling rig shall not be removed from over the hole without prior approval.

D. When floor controls are required, (3M or Greater), controls will be on the rig floor, unobstructed, readily accessible to the driller and will be operational at all times during drilling and/or completion activities. Rig floor is defined as the area immediately around the rotary table; the area immediately above the substructure on which the draw works are located, this does not include the dog house or stairway area.

II. CASING:

A. The **8-5/8** inch surface casing shall be set at **approximately 900 feet** and cemented to the surface.

1. If cement does not circulate to the surface, the appropriate BLM office shall be notified and a temperature survey utilizing an electronic type temperature survey with a surface log readout will be used or a cement bond log shall be run to verify the top of the cement.
2. Wait on cement (WOC) time for a primary cement job will be a minimum of 18 hours, 24 hours in the potash area or 500 pounds compressive strength, whichever is greater. (This is to include the lead cement)
3. Wait on cement (WOC) time for a remedial job will be a minimum of 4 hours after bringing cement to surface or 500 pounds compressive strength, whichever is greater.
4. **If cement falls back, remedial action will be done prior to drilling out that string.**

Possible lost circulation in the Grayburg and San Andres Formations.
Possible high pressure gas bursts in the Wolfcamp, which may reach 4200 psi.

The minimum required fill of cement behind the **5-1/2** inch production casing is **for cement to come to surface.** If cement does not circulate see A.1 thru **4.**

C. If hardband drill pipe is rotated inside casing; returns will be monitored for metal. If metal is found in samples, drill pipe will be pulled and rubber protectors which have a larger diameter than the tool joints of the drill pipe will be installed prior to continuing drilling operations.

III. PRESSURE CONTROL:

A. All blowout preventer (BOP) and related equipment (BOPE) shall comply with well control requirements as described in Onshore Oil and Gas Order No. 2 and API RP 53 Sec. 17.

B. Minimum working pressure of the blowout preventer (BOP) and related equipment (BOPE) required for drilling below the surface casing shoe shall be **3000 (3M)** PSI.

C. The appropriate BLM office shall be notified a minimum of 2 hours in advance for a representative to witness the tests.

1. The tests shall be done by an independent service company.
2. The results of the test shall be reported to the appropriate BLM office.
3. All tests are required to be recorded on a calibrated test chart. A copy of the BOP/BOPE test chart and a copy of independent service company test will be submitted to the appropriate BLM office.
4. The BOP/BOPE test shall include a low pressure test from 250 to 300 psi. The test will be held for a minimum of 10 minutes if test is done with a test plug and 30 minutes without a test plug.
5. BOP/BOPE must be tested by an independent service company within 500 feet of the top of the **Wolfcamp .** This test does not exclude the test prior to drilling out the casing shoe as per Onshore Order No. 2.

IV. DRILLING MUD:

Mud system monitoring equipment, with derrick floor indicators and visual and audio alarms, shall be operating before drilling into the **Wolfcamp** formation and shall be used until production casing is run and cemented.

1. Recording pit level indicator to indicate volume gains and losses.
2. Mud measuring device for accurately determining the mud volumes necessary to fill the hole during trips.
3. Flow-sensor on the flow line to warn of abnormal mud returns from the well

Engineer on call phone (after hours): Carlsbad - 505-706-2779
WWI 071907