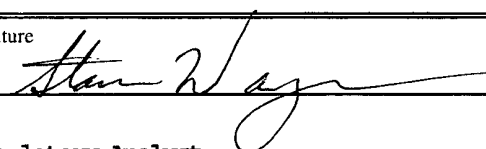
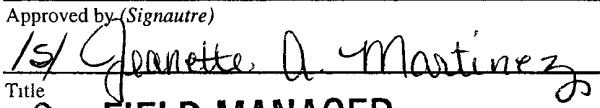


UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTRECEIVED
OCT 21 2010
HOBSOCDFORM APPROVED
OMB NO 1004-0137
Expires July 31, 2010

ATS-10-713

APPLICATION FOR PERMIT TO DRILL OR REENTER

1a. Type of Work ☒ DRILL ☐ REENTER		5. Lease Serial No NM108503
1b. Type of Well ☒ Oil Well ☐ Gas Well ☐ Other ☐ Single Zone ☐ Multiple Zone		6. If Indian, Allottee or Tribe Name
2. Name of Operator EOG Resources Inc.		7. Unit or CA Agreement Name and No.
3a. Address P.O. Box 2267 Midland, Texas 79702	3b. Phone No. (include area code) 432-686-3689	8. Lease Name and Well No. <13270> Vaca 14 Fed 6H
4. Location of Well (Report location clearly and in accordance with any State requirements)* At surface 50' FNL & 2130' FWL, U/L C At proposed prod. zone 330' FSL & 1980' FWL, U/L N		9. API Well No 30-025- 39943
14. Distance in miles and direction from nearest town or post office* Approx 29 miles SW from Jal, NM		10. Field and Pool, or Exploratory Red Hills; Bone Spring
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drg. unit line, if any) 50'	16. No. of Acres in lease 1480	11. Sec., T., R., M., or Blk. and Survey or Area Sec 14, T25S, R33E N.M.P.M.
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. 1200'	19. Proposed Depth 11000' TVD - P.1.0+ 9420 TVD - 14171 MD	12. County or Parish Lea
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 3366' GL	22. Approximate date work will start* 10/1/2010	13. State NM
24. Attachments		17. Spacing Unit dedicated to this well E/2 W/2
The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, must be attached to this form:		20. BLM/BIA Bond No. on file NM2308
1. Well plat certified by a registered surveyor.		23. Estimated duration 30
2. A Drilling Plan.		
3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO must be filed with the appropriate Forest Service Office).		
4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).		
5. Operator certification.		
6. Such other site specific information and/or plans as may be required by the BLM		

25. Signature 	Name (Printed/Typed) Stan Wagner	Date 7/21/10
Title Regulatory Analyst		
Approved by (Signature) 	Name (Printed/Typed) JOANETTE A. MARTINEZ	Date OCT 15 2010
Title SC FIELD MANAGER		
Office CARLSBAD FIELD OFFICE		

Application approval 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.

Conditions of approval, if any, are attached.

APPROVAL FOR TWO YEARS

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.

(Continued on page 2)

Carlsbad Controlled Water Basin

*(Instructions on page 2)

**SEE ATTACHED FOR
CONDITIONS OF APPROVAL**OCT 21 2010
HOBSOCD**APPROVAL SUBJECT TO
GENERAL REQUIREMENTS
AND SPECIAL STIPULATIONS
ATTACHED**

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

OCT 21 2010
HOBBSOC

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-025- 39943	Pool Code 51020	Pool Name Red Hills; Bone Spring
Property Code 13270	Property Name VACA 14 FED.	Well Number 6H
OGRID No 7377	Operator Name EOG RESOURCES, INC.	Elevation 3366.4'

Surface Location

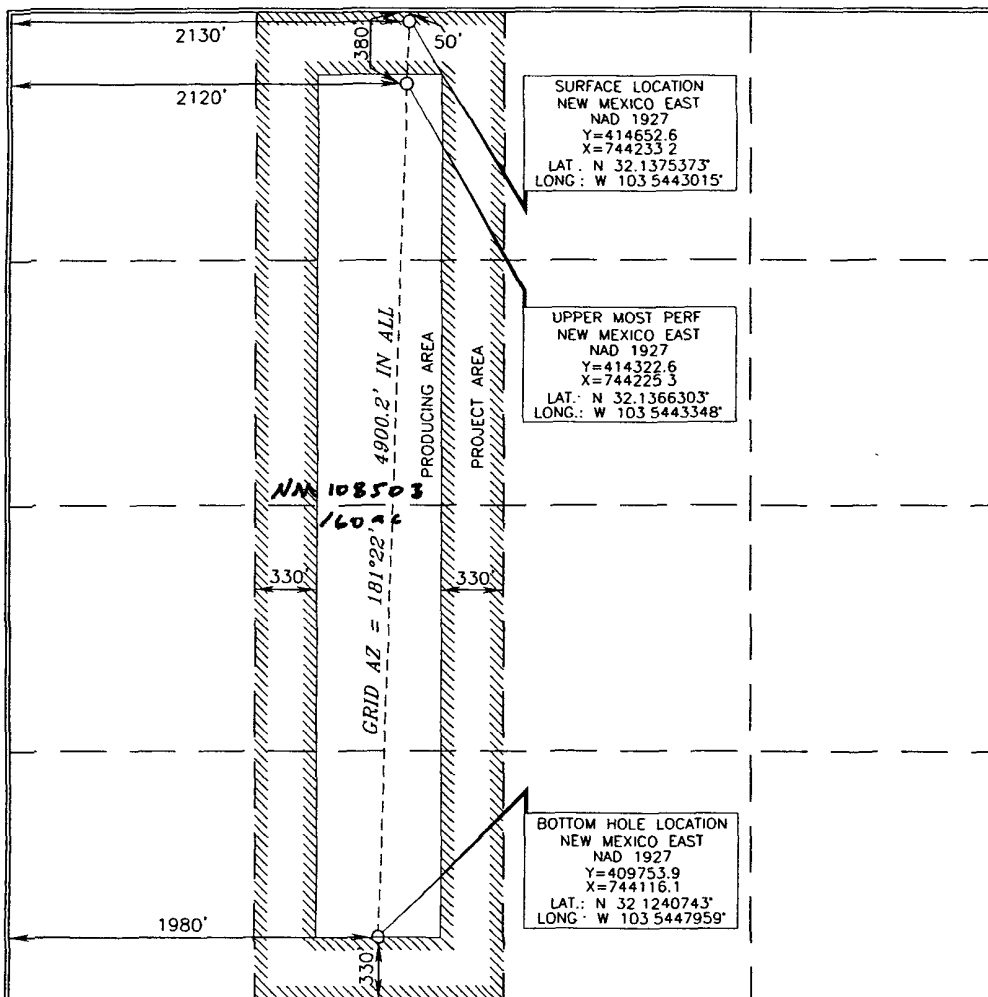
UL or lot no. C	Section 14	Township 25 SOUTH	Range 33 EAST, N.M.P.M.	Lot Idn	Feet from the 50'	North/South line NORTH	Feet from the 2130'	East/West line WEST	County LEA
--------------------	---------------	----------------------	----------------------------	---------	----------------------	---------------------------	------------------------	------------------------	---------------

Bottom Hole Location If Different From Surface

UL or lot no. N	Section 14	Township 25 SOUTH	Range 33 EAST, N.M.P.M.	Lot Idn	Feet from the 330'	North/South line SOUTH	Feet from the 1980'	East/West line WEST	County LEA
--------------------	---------------	----------------------	----------------------------	---------	-----------------------	---------------------------	------------------------	------------------------	---------------

Dedicated Acres 160	Joint or Infill	Consolidation Code	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 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 7/14/10
Signature Date

Donny G Glanton
Printed Name

SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was located 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.

July 6, 2010
Date of Survey
Terry J. Asel 7/9/2010
Signature and Seal of Professional Surveyor
Certificate Number 15079

WO# 100423WL-o (Rev. A) (KA)

Permit Information:

Well Name: Vaca 14 Fed No. 6H

Location:

SL: 50' FNL & 2130' FWL, Section 14, T-25-S, R-33-E, Lea Co., N.M.

BHL: 330' FSL & 1980' FWL, Section 14, T-25-S, R-33-E, Lea Co., N.M.

Casing Program:

See - COA

Casing	Setting Depth	Hole Size	Casing Size	Casing Weight	Casing Grade	Desired TOC
Surface	1225' - 1,175'	17-1/2"	13-3/8"	54.5#	J-55	Surface
Intermediate	4,000' 5,100'	12-1/4" 12-1/4"	9-5/8" 9-5/8"	40# 40#	J-55 HCK-55	Surface
Production	14,171'	8-3/4"	5-1/2"	20#	HCP-110	4600'

Cement Program:

Depth	No. Sacks	Wt. lb/gal	Yld Ft ³ /ft	Slurry Description
1,175'	600	13.5	1.74	Lead: Class 'C' + 4.00% Bentonite + 2.00% CaCl ₂
	300	14.8	1.35	Tail: Class 'C' + 0.6% FL-62 + 0.25 lb/sk Cello-Flake + 0.2% Sodium Metasilicate + 2.0% KCl (1.06 lb/sk)
5,100'	1100	12.7	2.01	Lead: Class 'C' + 2.00% SMS + 1.50% R-3 + 0.25 lb/sk Cello Flake + 0.005 lb/sk Static Free
	200	14.8	1.32	Tail: Class 'C' + 0.25 lb/sk Cello Flake + 0.005 lb/sk Static Free
11,000'	100	18.0	0.90	210' Btm Hole Plug - Class 'H' + 1.20% CD-31 + 0.20% R-3 + 5.00% Salt (1.252 lb/sk)
8,790' - 9,390'	300	18.0	0.90	600' Sidetrack Plug - Class 'H' + 1.20% CD-31 + 0.20% R-3 + 5.00% Salt (1.252 lb/sk)
14,171'	200	10.8	3.67	Lead 1: 60:40:0 Class C + 15.00 lb/sk BA-90 + 4.00% MPA-5 + 3.00% SMS + 5.00% A-10 + 1.00% BA-10A + 0.80% ASA-301 + 2.10% R-21 + 8.00 lb/sk LCM-1 + 0.01 gps FP-13L
	550	11.8	2.39	Lead 2: 50:50:10 Class H + 0.80% FL-52A + 0.30% ASA-301 + 0.30% SMS + 2.00% Salt (2.47 lb/sk) + 0.35% R-21 + 0.25 lb/sk Cello Flake + 0.005 lb/sk Static Free
	1200	14.2	1.28	Tail: 50:50:2 Class H + 0.65% FL-52A + 0.20% CD-32 + 0.15% SMS + 2.00% Salt (0.961 lb/sk) + 0.20% R-3 + 0.005 lb/sk Static Free

Mud Program:

See COA

Depth	Type	Weight (ppg)	Viscosity	Water Loss
0 - 1,175' 1225'	Fresh - Gel	8.6-8.8	28-34	N/c
1,175' - 5,100'	Brine	10.0-10.2	28-34	N/c
5,100' - 8,500'	Fresh Water	8.4-8.6	28-34	N/c
8,500' - 11,000'	Cut Brine	8.6-9.0	28-34	N/c
Pilot hole				
9,073' - 14,171'	Cut Brine - XCD	9.0-9.5	40-42	N/c
Lateral				

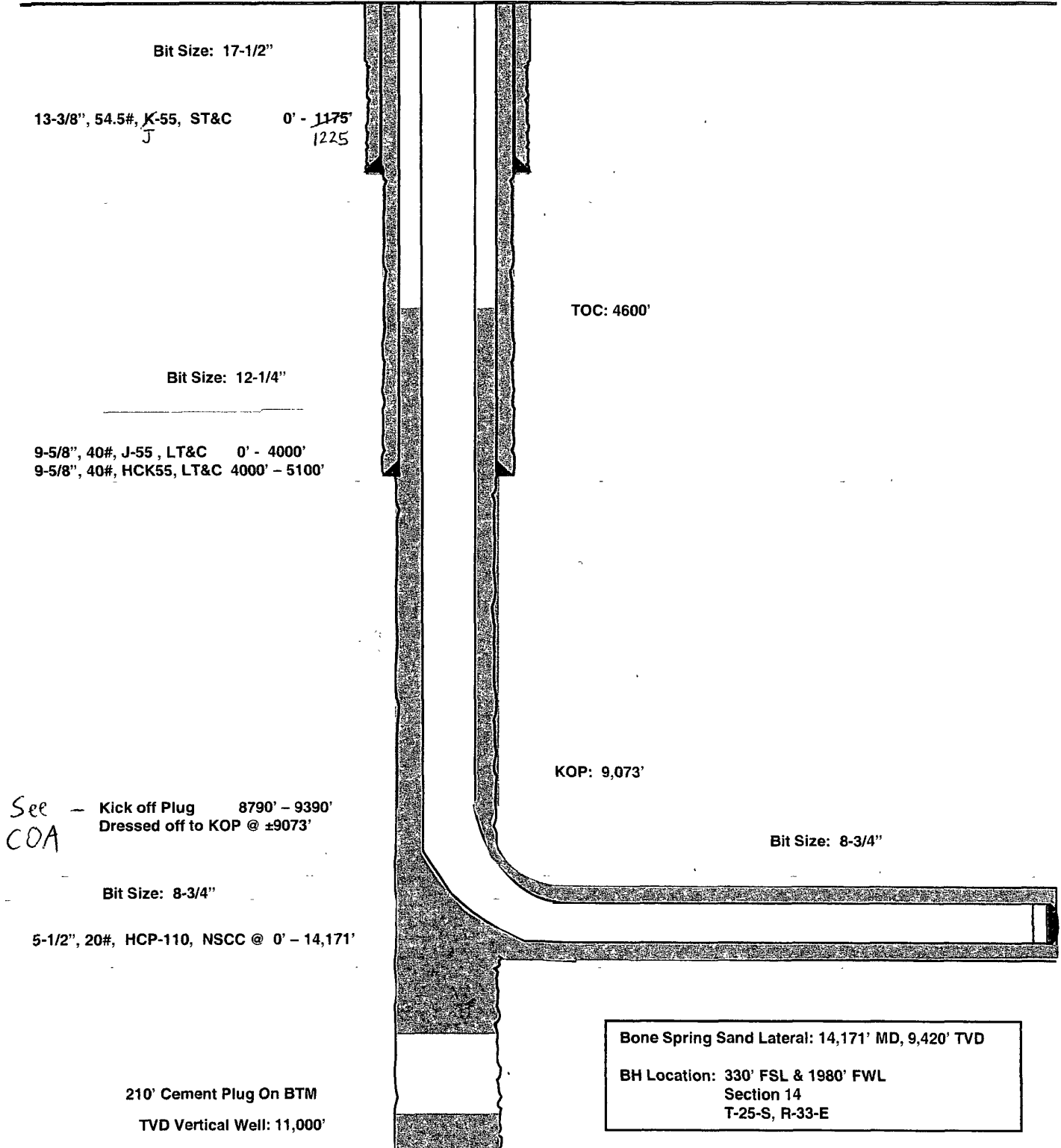
Vaca 14 Fed #6H
Red Hills
Lea County, New Mexico

50' FNL
2130' FWL
Section 14
T-25-S, R-33-E

Proposed Wellbore

API: 30-025-

KB: 3,396.4'
GL: 3,366.4'



EOG RESOURCES, INC.
VACA 14 FED NO. 6H

RECEIVED

OCT 21 2010

HOBBSOCD

1. GEOLOGIC NAME OF SURFACE FORMATION:

Permian

2. ESTIMATED TOPS OF IMPORTANT GEOLOGICAL MARKERS:

Rustler	1,120'
Base of Salt	4,800'
Lamar	5,040'
Bell Canyon	5,070'
Cherry Canyon	6,155'
Bone Spring Lime	9,220'
1 st Bone Spring Sand	10,170'
2 nd Bone Spring	10,430'
2 nd Bone Spring Sand	10,820'
Pilot hole TD	11,000'

3. ESTIMATED DEPTHS OF ANTICIPATED FRESH WATER, OIL OR GAS:

Upper Permian Sands	0- 400'	Fresh Water
Lamar	5,040'	Oil
Bell Canyon	5,070'	Oil
Cherry Canyon	6,155'	Oil
Bone Spring Lime	9,220'	Oil
1 st Bone Spring Sand	10,170'	Oil
2 nd Bone Spring	10,430'	Oil
2 nd Bone Spring Sand	10,820'	Oil

No other Formations are expected to give up oil, gas or fresh water in measurable quantities. Surface fresh water sands will be protected by setting 13.375" casing at ~~1,175'~~ and circulating cement back to surface.

4. CASING PROGRAM - NEW

Hole Size	Interval	Csg OD	Weight	Grade	Conn	DF _{min} Collapse	DF _{min} Burst	DF _{min} Tension
17.5"	0 - 1175'	13.375"	54.5#	J55	STC	1.10	1.25	1.60
12.25"	0-4000'	9.625"	40#	J55	LTC	1.10	1.25	1.60
12.25"	4000'-5100'	9.625"	40#	HCK55	LTC	1.10	1.25	1.60
8.75"	0'-14,171'	5.5"	20#	HCP110	NSCC	1.10	1.25	1.60

EOG RESOURCES, INC.
VACA 14 FED NO. 6H

Cementing Program:

Depth	No. Sacks	Wt. lb/gal	Yld Ft ³ /ft	Slurry Description
1,175'	600	13.5	1.74	Lead: Class 'C' + 4.00% Bentonite + 2.00% CaCl ₂
	300	14.8	1.35	Tail: Class 'C' + 0.6% FL-62 + 0.25 lb/sk Cello-Flake + 0.2% Sodium Metasilicate + 2.0% KCl (1.06 lb/sk)
5,100'	1100	12.7	2.01	Lead: Class 'C' + 2.00% SMS + 1.50% R-3 + 0.25 lb/sk Cello Flake + 0.005 lb/sk Static Free
	200	14.8	1.32	Tail: Class 'C' + 0.25 lb/sk Cello Flake + 0.005 lb/sk Static Free
11,000'	100	18.0	0.90	210' Btm Hole Plug - Class 'H' + 1.20% CD-31 + 0.20% R-3 + 5.00% Salt (1.252 lb/sk)
8,790' - 9,390'	300	18.0	0.90	600' Sidetrack Plug - Class 'H' + 1.20% CD-31 + 0.20% R-3 + 5.00% Salt (1.252 lb/sk)
14,171'	200	10.8	3.67	Lead 1: 60:40:0 Class C + 15.00 lb/sk BA-90 + 4.00% MPA-5 + 3.00% SMS + 5.00% A-10 + 1.00% BA-10A + 0.80% ASA-301 + 2.10% R-21 + 8.00 lb/sk LCM-1 + 0.01 gps FP-13L
	550	11.8	2.49	Lead 2: 50:50:10 Class H + 0.80% FL-52A + 0.30% ASA-301 + 0.30% SMS + 2.00% Salt (2.47 lb/sk) + 0.35% R-21 + 0.25 lb/sk Cello Flake + 0.005 lb/sk Static Free
	1200	14.2	1.28	Tail: 50:50:2 Class H + 0.65% FL-52A + 0.20% CD-32 + 0.15% SMS + 2.00% Salt (0.961 lb/sk) + 0.20% R-3 + 0.005 lb/sk Static Free

5. MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL:

(SEE EXHIBIT #1)

The blowout preventer equipment (BOP) shown in Exhibit #1 will consist of a double ram-type (5000 psi WP) preventer and an annular preventer (5000-psi WP). Units will be hydraulically operated and the ram-type will be equipped with blind rams on bottom and drill pipe rams on top. All BOP's and accessory equipment will be tested in accordance with Onshore Oil & Gas order No. 2. EOG Resources request authorization to use a 2M system, providing for an annular preventer to be used prior to drilling out of the surface casing shoe and while drilling the intermediate section. Before drilling out of the intermediate casing, the ram-type BOP and accessory equipment will be tested to 5000/ 250 psig and the annular preventer to 2500/ 250 psig.

Pipe rams will be operationally checked each 24-hour period. Blind rams will be operationally checked on each trip out of the hole. These checks will be noted on the daily tour sheets.

Hydraulically operated choke will not be installed prior to the setting and cementing of the intermediate casing string, but will be installed prior to drilling out of the intermediate casing shoe.

EOG RESOURCES, INC.
VACA 14 FED NO. 6H

6. TYPES AND CHARACTERISTICS OF THE PROPOSED MUD SYSTEM:

The well will be drilled to TD with a combination of brine, cut brine, and polymer mud system. The applicable depths and properties of this system are as follows:

See
COA

Depth	Type	Weight (ppg)	Viscosity	Water Loss
0 – 1,175' / 225'	Fresh - Gel	8.6-8.8	28-34	N/c
1,175' – 5,100'	Brine	10.0-10.2	28-34	N/c
5,100' – 8,500'	Fresh Water	8.4-8.6	28-34	N/c
8,500' – 11,800' 11,000' Pilot hole	Cut Brine	8.6-9.0	28-34	N/c
KOP – 14,171' Lateral	Cut Brine	9.0-9.5	40-42	N/c

Sufficient mud materials to maintain mud properties and meet minimum lost circulation and weight increase requirements will be kept at the wellsite at all times.

7. AUXILIARY WELL CONTROL AND MONITORING EQUIPMENT:

- (A) A kelly cock will be kept in the drill string at all times.
- (B) A full opening drill pipe-stabbing valve (inside BOP) with proper drill pipe connections will be on the rig floor at all times.
- (C) A mud logging unit will be continuously monitoring drill penetration rate and hydrocarbon shows from 1,175' to TD.
- (D) H₂S monitoring and detection equipment will be utilized from 1,175' to TD.

See
COA — **8. LOGGING, TESTING AND CORING PROGRAM:**

Open-hole logging is anticipated in the 8-3/4" hole section. The logging suites for this hole section are listed below:

- | | |
|--------------------|--|
| NGT–CNL–LDT w/ Pe | From TD to previous casing shoe. At casing pull GR – Neutron to surface. |
| HR Laterolog Array | From TD to previous casing shoe. |
| FMI | Possible in the production hole |

EOG RESOURCES, INC.
VACA 14 FED NO. 6H

**9. ABNORMAL CONDITIONS, PRESSURES, TEMPERATURES AND
POTENTIAL HAZARDS:**

The estimated bottom hole temperature (BHT) at TD is 165 degrees F with an estimated maximum bottom-hole pressure (BHP) at TD of 4800 psig. No hydrogen sulfide or other hazardous gases or fluids have been encountered, reported or are known to exist at this depth in this area. No major loss circulation zones have been reported in offsetting wells.

10. ANTICIPATED STARTING DATE AND DURATION OF OPERATIONS:

The drilling operation should be finished in approximately two months. If the well is productive, an additional 30-60 days will be required for completion and testing before a decision is made to install permanent facilities.



EOG Resources, Inc.

Lea County
Vaca "14" Fed
#6H
OH

RECEIVED

OCT 21 2010
HOBBSOCD

Plan: Plan #1

Pathfinder X & Y Planning Report

20 July, 2010

PATHFINDER

Company:	EOG Resources, Inc.	Local Co-ordinate Reference:	Well #6H
Project:	Lea County	TVD Reference:	WELL @ 3396.40ft (30" KB Correction)
Site:	Vaca "14" Fed	MD Reference:	WELL @ 3396.40ft (30" KB Correction)
Well:	#6H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	Plan #1	Database:	Midland Database

Project		Lea County	
Map System:	US State Plane 1927 (Exact solution)	System Datum:	Mean Sea Level
Geo Datum:	NAD 1927 (NADCON CONUS)		
Map Zone:	New Mexico East 3001		

Site:		Vaca "14" Fed			
Site Position:		Northing:		414,051.100 ft	
From: Map		Easting:		745,404.300 ft	
Position Uncertainty:		Slot Radius:		"	
0.00 ft				Latitude: 32° 8' 9.097 N	
				Longitude: 103° 32' 25.918 W	
				Grid Convergence: 0.42 °	

Well: #6H						
Well Position	+N/-S	0.00 ft	Northing:	414,652.600 ft	Latitude:	32° 8' 15.134 N
	+E/-W	0.00 ft	Easting:	744,233.200 ft	Longitude:	103° 32' 39.486 W
Position Uncertainty		0.00 ft	Wellhead Elevation:	ft	Ground Level:	3,366.40 ft

Wellbore:	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF200510	08/15/2010	7.66	60.15	48,683

Design	Plan #1			
Audit Notes:				
Version:	Phase:	PLAN	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W	Direction
	(ft)	(ft)	(ft)	(°)
	0.00	0.00	0.00	181.38

Survey Tool Program		Date: 07/20/2010		
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description
0.00	14,171.17	Plan #1 (OH)	MWD	MWD - Standard

Company:	EOG Resources, Inc.	Local Co-ordinate Reference:	Well #6H
Project:	Lea County	TVD Reference:	WELL @ 3396.40ft (30' KB Correction)
Site:	Vaca "14" Fed	MD Reference:	WELL @ 3396.40ft (30' KB Correction)
Well:	#6H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	Plan #1	Database:	Midland Database

Planned Survey											
MD (ft)	Inc (°)	Azi (°)	TVD (ft)	TVDSS (ft)	N/S (ft)	E/W (ft)	V. Sec (ft)	DLeg (°/100ft)	Northing (ft)	Easting (ft)	
0.00	0.00	0.00	0.00	-3,396.40	0.00	0.00	0.00	0.00	414,652.60	744,233.20	
100.00	0.00	0.00	100.00	-3,296.40	0.00	0.00	0.00	0.00	414,652.60	744,233.20	
200.00	0.00	0.00	200.00	-3,196.40	0.00	0.00	0.00	0.00	414,652.60	744,233.20	
300.00	0.00	0.00	300.00	-3,096.40	0.00	0.00	0.00	0.00	414,652.60	744,233.20	
400.00	0.00	0.00	400.00	-2,996.40	0.00	0.00	0.00	0.00	414,652.60	744,233.20	
500.00	0.00	0.00	500.00	-2,896.40	0.00	0.00	0.00	0.00	414,652.60	744,233.20	
600.00	0.00	0.00	600.00	-2,796.40	0.00	0.00	0.00	0.00	414,652.60	744,233.20	
700.00	0.00	0.00	700.00	-2,696.40	0.00	0.00	0.00	0.00	414,652.60	744,233.20	
800.00	0.00	0.00	800.00	-2,596.40	0.00	0.00	0.00	0.00	414,652.60	744,233.20	
900.00	0.00	0.00	900.00	-2,496.40	0.00	0.00	0.00	0.00	414,652.60	744,233.20	
1,000.00	0.00	0.00	1,000.00	-2,396.40	0.00	0.00	0.00	0.00	414,652.60	744,233.20	
1,100.00	0.00	0.00	1,100.00	-2,296.40	0.00	0.00	0.00	0.00	414,652.60	744,233.20	
1,200.00	0.00	0.00	1,200.00	-2,196.40	0.00	0.00	0.00	0.00	414,652.60	744,233.20	
1,300.00	0.00	0.00	1,300.00	-2,096.40	0.00	0.00	0.00	0.00	414,652.60	744,233.20	
1,400.00	0.00	0.00	1,400.00	-1,996.40	0.00	0.00	0.00	0.00	414,652.60	744,233.20	
1,500.00	0.00	0.00	1,500.00	-1,896.40	0.00	0.00	0.00	0.00	414,652.60	744,233.20	
1,600.00	0.00	0.00	1,600.00	-1,796.40	0.00	0.00	0.00	0.00	414,652.60	744,233.20	
1,700.00	0.00	0.00	1,700.00	-1,696.40	0.00	0.00	0.00	0.00	414,652.60	744,233.20	
1,800.00	0.00	0.00	1,800.00	-1,596.40	0.00	0.00	0.00	0.00	414,652.60	744,233.20	
1,900.00	0.00	0.00	1,900.00	-1,496.40	0.00	0.00	0.00	0.00	414,652.60	744,233.20	
2,000.00	0.00	0.00	2,000.00	-1,396.40	0.00	0.00	0.00	0.00	414,652.60	744,233.20	
2,100.00	0.00	0.00	2,100.00	-1,296.40	0.00	0.00	0.00	0.00	414,652.60	744,233.20	
2,200.00	0.00	0.00	2,200.00	-1,196.40	0.00	0.00	0.00	0.00	414,652.60	744,233.20	
2,300.00	0.00	0.00	2,300.00	-1,096.40	0.00	0.00	0.00	0.00	414,652.60	744,233.20	
2,400.00	0.00	0.00	2,400.00	-996.40	0.00	0.00	0.00	0.00	414,652.60	744,233.20	
2,500.00	0.00	0.00	2,500.00	-896.40	0.00	0.00	0.00	0.00	414,652.60	744,233.20	
2,600.00	0.00	0.00	2,600.00	-796.40	0.00	0.00	0.00	0.00	414,652.60	744,233.20	



Pathfinder
Pathfinder X & Y Planning Report



Company:	EOG Resources, Inc.	Local Co-ordinate Reference:	Well #6H
Project:	Lea County	TVD Reference:	WELL @ 3396.40ft (30' KB Correction)
Site:	Vaca "14" Fed	MD Reference:	WELL @ 3396.40ft (30' KB Correction)
Well:	#6H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	Plan #1	Database:	Midland Database

Planned Survey											
MD (ft)	Inc (°)	Azi (°)	TVD (ft)	TVDSS (ft)	N/S (ft)	E/W (ft)	V-Sec (ft)	DLeg (°/100ft)	Northing (ft)	Easting (ft)	
2,700.00	0.00	0.00	2,700.00	-696.40	0.00	0.00	0.00	0.00	414,652.60	744,233.20	
2,800.00	0.00	0.00	2,800.00	-596.40	0.00	0.00	0.00	0.00	414,652.60	744,233.20	
2,900.00	0.00	0.00	2,900.00	-496.40	0.00	0.00	0.00	0.00	414,652.60	744,233.20	
3,000.00	0.00	0.00	3,000.00	-396.40	0.00	0.00	0.00	0.00	414,652.60	744,233.20	
3,100.00	0.00	0.00	3,100.00	-296.40	0.00	0.00	0.00	0.00	414,652.60	744,233.20	
3,200.00	0.00	0.00	3,200.00	-196.40	0.00	0.00	0.00	0.00	414,652.60	744,233.20	
3,300.00	0.00	0.00	3,300.00	-96.40	0.00	0.00	0.00	0.00	414,652.60	744,233.20	
3,400.00	0.00	0.00	3,400.00	3.60	0.00	0.00	0.00	0.00	414,652.60	744,233.20	
3,500.00	0.00	0.00	3,500.00	103.60	0.00	0.00	0.00	0.00	414,652.60	744,233.20	
3,600.00	0.00	0.00	3,600.00	203.60	0.00	0.00	0.00	0.00	414,652.60	744,233.20	
3,700.00	0.00	0.00	3,700.00	303.60	0.00	0.00	0.00	0.00	414,652.60	744,233.20	
3,800.00	0.00	0.00	3,800.00	403.60	0.00	0.00	0.00	0.00	414,652.60	744,233.20	
3,900.00	0.00	0.00	3,900.00	503.60	0.00	0.00	0.00	0.00	414,652.60	744,233.20	
4,000.00	0.00	0.00	4,000.00	603.60	0.00	0.00	0.00	0.00	414,652.60	744,233.20	
4,100.00	0.00	0.00	4,100.00	703.60	0.00	0.00	0.00	0.00	414,652.60	744,233.20	
4,200.00	0.00	0.00	4,200.00	803.60	0.00	0.00	0.00	0.00	414,652.60	744,233.20	
4,300.00	0.00	0.00	4,300.00	903.60	0.00	0.00	0.00	0.00	414,652.60	744,233.20	
4,400.00	0.00	0.00	4,400.00	1,003.60	0.00	0.00	0.00	0.00	414,652.60	744,233.20	
4,500.00	0.00	0.00	4,500.00	1,103.60	0.00	0.00	0.00	0.00	414,652.60	744,233.20	
4,600.00	0.00	0.00	4,600.00	1,203.60	0.00	0.00	0.00	0.00	414,652.60	744,233.20	
4,700.00	0.00	0.00	4,700.00	1,303.60	0.00	0.00	0.00	0.00	414,652.60	744,233.20	
4,800.00	0.00	0.00	4,800.00	1,403.60	0.00	0.00	0.00	0.00	414,652.60	744,233.20	
4,900.00	0.00	0.00	4,900.00	1,503.60	0.00	0.00	0.00	0.00	414,652.60	744,233.20	
5,000.00	0.00	0.00	5,000.00	1,603.60	0.00	0.00	0.00	0.00	414,652.60	744,233.20	
5,100.00	0.00	0.00	5,100.00	1,703.60	0.00	0.00	0.00	0.00	414,652.60	744,233.20	
5,200.00	0.00	0.00	5,200.00	1,803.60	0.00	0.00	0.00	0.00	414,652.60	744,233.20	
5,300.00	0.00	0.00	5,300.00	1,903.60	0.00	0.00	0.00	0.00	414,652.60	744,233.20	



Pathfinder
Pathfinder X & Y Planning Report



Company:	EOG Resources, Inc.	Local Co-ordinate Reference:	Well #6H
Project:	Lea County	TVD Reference:	WELL @ 3396.40ft (30' KB Correction)
Site:	Vaca "14" Fed	MD Reference:	WELL @ 3396.40ft (30' KB Correction)
Well:	#6H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	Plan #1	Database:	Midland Database

Planned Survey												
MD (ft)	Inc (°)	Azi (°)	TVD (ft)	TVDSS (ft)	N/S (ft)	E/W (ft)	V-Sec (ft)	DLeg (°/100ft)	Northing (ft)	Easting (ft)		
5,400.00	0.00	0.00	5,400.00	2,003.60	0.00	0.00	0.00	0.00	414,652.60	744,233.20		
5,500.00	0.00	0.00	5,500.00	2,103.60	0.00	0.00	0.00	0.00	414,652.60	744,233.20		
5,600.00	0.00	0.00	5,600.00	2,203.60	0.00	0.00	0.00	0.00	414,652.60	744,233.20		
5,700.00	0.00	0.00	5,700.00	2,303.60	0.00	0.00	0.00	0.00	414,652.60	744,233.20		
5,800.00	0.00	0.00	5,800.00	2,403.60	0.00	0.00	0.00	0.00	414,652.60	744,233.20		
5,900.00	0.00	0.00	5,900.00	2,503.60	0.00	0.00	0.00	0.00	414,652.60	744,233.20		
6,000.00	0.00	0.00	6,000.00	2,603.60	0.00	0.00	0.00	0.00	414,652.60	744,233.20		
6,100.00	0.00	0.00	6,100.00	2,703.60	0.00	0.00	0.00	0.00	414,652.60	744,233.20		
6,200.00	0.00	0.00	6,200.00	2,803.60	0.00	0.00	0.00	0.00	414,652.60	744,233.20		
6,300.00	0.00	0.00	6,300.00	2,903.60	0.00	0.00	0.00	0.00	414,652.60	744,233.20		
6,400.00	0.00	0.00	6,400.00	3,003.60	0.00	0.00	0.00	0.00	414,652.60	744,233.20		
6,500.00	0.00	0.00	6,500.00	3,103.60	0.00	0.00	0.00	0.00	414,652.60	744,233.20		
6,600.00	0.00	0.00	6,600.00	3,203.60	0.00	0.00	0.00	0.00	414,652.60	744,233.20		
6,700.00	0.00	0.00	6,700.00	3,303.60	0.00	0.00	0.00	0.00	414,652.60	744,233.20		
6,800.00	0.00	0.00	6,800.00	3,403.60	0.00	0.00	0.00	0.00	414,652.60	744,233.20		
6,900.00	0.00	0.00	6,900.00	3,503.60	0.00	0.00	0.00	0.00	414,652.60	744,233.20		
7,000.00	0.00	0.00	7,000.00	3,603.60	0.00	0.00	0.00	0.00	414,652.60	744,233.20		
7,100.00	0.00	0.00	7,100.00	3,703.60	0.00	0.00	0.00	0.00	414,652.60	744,233.20		
7,200.00	0.00	0.00	7,200.00	3,803.60	0.00	0.00	0.00	0.00	414,652.60	744,233.20		
7,300.00	0.00	0.00	7,300.00	3,903.60	0.00	0.00	0.00	0.00	414,652.60	744,233.20		
7,400.00	0.00	0.00	7,400.00	4,003.60	0.00	0.00	0.00	0.00	414,652.60	744,233.20		
7,500.00	0.00	0.00	7,500.00	4,103.60	0.00	0.00	0.00	0.00	414,652.60	744,233.20		
7,600.00	0.00	0.00	7,600.00	4,203.60	0.00	0.00	0.00	0.00	414,652.60	744,233.20		
7,700.00	0.00	0.00	7,700.00	4,303.60	0.00	0.00	0.00	0.00	414,652.60	744,233.20		
7,800.00	0.00	0.00	7,800.00	4,403.60	0.00	0.00	0.00	0.00	414,652.60	744,233.20		
7,900.00	0.00	0.00	7,900.00	4,503.60	0.00	0.00	0.00	0.00	414,652.60	744,233.20		
8,000.00	0.00	0.00	8,000.00	4,603.60	0.00	0.00	0.00	0.00	414,652.60	744,233.20		



Pathfinder
Pathfinder X & Y Planning Report



Company:	EOG Resources, Inc.	Local Co-ordinate Reference:	Well #6H
Project:	Lea County	TVD Reference:	WELL @ 3396.40ft (30' KB Correction)
Site:	Vaca #14 Fed	MD Reference:	WELL @ 3396.40ft (30' KB Correction)
Well:	#6H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	Plan #1	Database:	Midland Database

Planned Survey											
MD (ft)	Inc (°)	Azi (°)	TVD (ft)	TVDSS (ft)	N/S (ft)	E/W (ft)	V. Sec (ft)	DLeg (%/100ft)	Northing (ft)	Easting (ft)	
8,100.00	0.00	0.00	8,100.00	4,703.60	0.00	0.00	0.00	0.00	414,652.60	744,233.20	
8,200.00	0.00	0.00	8,200.00	4,803.60	0.00	0.00	0.00	0.00	414,652.60	744,233.20	
8,300.00	0.00	0.00	8,300.00	4,903.60	0.00	0.00	0.00	0.00	414,652.60	744,233.20	
8,400.00	0.00	0.00	8,400.00	5,003.60	0.00	0.00	0.00	0.00	414,652.60	744,233.20	
8,500.00	0.00	0.00	8,500.00	5,103.60	0.00	0.00	0.00	0.00	414,652.60	744,233.20	
8,600.00	0.00	0.00	8,600.00	5,203.60	0.00	0.00	0.00	0.00	414,652.60	744,233.20	
8,700.00	0.00	0.00	8,700.00	5,303.60	0.00	0.00	0.00	0.00	414,652.60	744,233.20	
8,800.00	0.00	0.00	8,800.00	5,403.60	0.00	0.00	0.00	0.00	414,652.60	744,233.20	
8,900.00	0.00	0.00	8,900.00	5,503.60	0.00	0.00	0.00	0.00	414,652.60	744,233.20	
9,000.00	0.00	0.00	9,000.00	5,603.60	0.00	0.00	0.00	0.00	414,652.60	744,233.20	
9,073.00	0.00	0.00	9,073.00	5,676.60	0.00	0.00	0.00	0.00	414,652.60	744,233.20	
9,075.00	0.33	181.38	9,075.00	5,678.60	-0.01	0.00	0.01	16.51	414,652.59	744,233.20	
9,100.00	4.46	181.38	9,099.97	5,703.57	-1.05	-0.03	1.05	16.51	414,651.55	744,233.17	
9,125.00	8.59	181.38	9,124.81	5,728.41	-3.89	-0.09	3.89	16.51	414,648.71	744,233.11	
9,150.00	12.71	181.38	9,149.37	5,752.97	-8.51	-0.20	8.51	16.51	414,644.09	744,233.00	
9,175.00	16.84	181.38	9,173.54	5,777.14	-14.88	-0.36	14.88	16.51	414,637.72	744,232.84	
9,200.00	20.97	181.38	9,197.18	5,800.78	-22.98	-0.55	22.98	16.51	414,629.62	744,232.65	
9,225.00	25.10	181.38	9,220.19	5,823.79	-32.75	-0.79	32.76	16.51	414,619.85	744,232.41	
9,250.00	29.23	181.38	9,242.42	5,846.02	-44.16	-1.06	44.17	16.51	414,608.44	744,232.14	
9,275.00	33.35	181.38	9,263.78	5,867.38	-57.14	-1.38	57.15	16.51	414,595.46	744,231.82	
9,300.00	37.48	181.38	9,284.15	5,887.75	-71.62	-1.73	71.64	16.51	414,580.98	744,231.47	
9,325.00	41.61	181.38	9,303.43	5,907.03	-87.53	-2.11	87.55	16.51	414,565.07	744,231.09	
9,350.00	45.74	181.38	9,321.50	5,925.10	-104.78	-2.52	104.81	16.51	414,547.82	744,230.68	
9,375.00	49.87	181.38	9,338.29	5,941.89	-123.29	-2.97	123.33	16.51	414,529.31	744,230.23	
9,400.00	53.99	181.38	9,353.71	5,957.31	-142.96	-3.44	143.01	16.51	414,509.64	744,229.76	
9,425.00	58.12	181.38	9,367.66	5,971.26	-163.69	-3.94	163.74	16.51	414,488.91	744,229.26	
9,450.00	62.25	181.38	9,380.09	5,983.69	-185.37	-4.47	185.43	16.51	414,467.23	744,228.73	

Company:	EOG Resources, Inc.	Local Co-ordinate Reference:	Well #6H
Project:	Lea County	TVD Reference:	WELL @ 3396.40ft (30' KB Correction)
Site:	Vaca "14" Fed	MD Reference:	WELL @ 3396.40ft (30' KB Correction)
Well:	#6H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	Plan #1	Database:	Midland Database

Planned Survey										
MD (ft)	Inc (°)	Azi (°)	TVD (ft)	TVDSS (ft)	N/S (ft)	E/W (ft)	V. Sec (ft)	DLeg (%/100ft)	Northing (ft)	Easting (ft)
9,475.00	66.38	181.38	9,390.92	5,994.52	-207.89	-5.01	207.95	16.51	414,444.71	744,228.19
9,500.00	70.51	181.38	9,400.11	6,003.71	-231.13	-5.57	231.20	16.51	414,421.47	744,227.63
9,525.00	74.63	181.38	9,407.59	6,011.19	-254.97	-6.14	255.05	16.51	414,397.63	744,227.06
9,550.00	78.76	181.38	9,413.35	6,016.95	-279.29	-6.73	279.37	16.51	414,373.31	744,226.47
9,575.00	82.89	181.38	9,417.33	6,020.93	-303.96	-7.32	304.04	16.51	414,348.64	744,225.88
9,600.00	87.02	181.38	9,419.53	6,023.13	-328.85	-7.92	328.94	16.51	414,323.75	744,225.28
9,618.07	90.00	181.38	9,420.00	6,023.60	-346.90	-8.36	347.00	16.51	414,305.70	744,224.84
9,700.00	90.00	181.38	9,420.00	6,023.60	-428.81	-10.33	428.93	0.00	414,223.79	744,222.87
9,800.00	90.00	181.38	9,420.00	6,023.60	-528.78	-12.74	528.93	0.00	414,123.82	744,220.46
9,900.00	90.00	181.38	9,420.00	6,023.60	-628.75	-15.15	628.93	0.00	414,023.85	744,218.05
10,000.00	90.00	181.38	9,420.00	6,023.60	-728.72	-17.56	728.93	0.00	413,923.88	744,215.64
10,100.00	90.00	181.38	9,420.00	6,023.60	-828.69	-19.96	828.93	0.00	413,823.91	744,213.24
10,200.00	90.00	181.38	9,420.00	6,023.60	-928.66	-22.37	928.93	0.00	413,723.94	744,210.83
10,300.00	90.00	181.38	9,420.00	6,023.60	-1,028.64	-24.78	1,028.93	0.00	413,623.96	744,208.42
10,400.00	90.00	181.38	9,420.00	6,023.60	-1,128.61	-27.19	1,128.93	0.00	413,523.99	744,206.01
10,500.00	90.00	181.38	9,420.00	6,023.60	-1,228.58	-29.60	1,228.93	0.00	413,424.02	744,203.60
10,600.00	90.00	181.38	9,420.00	6,023.60	-1,328.55	-32.00	1,328.93	0.00	413,324.05	744,201.20
10,700.00	90.00	181.38	9,420.00	6,023.60	-1,428.52	-34.41	1,428.93	0.00	413,224.08	744,198.79
10,800.00	90.00	181.38	9,420.00	6,023.60	-1,528.49	-36.82	1,528.93	0.00	413,124.11	744,196.38
10,900.00	90.00	181.38	9,420.00	6,023.60	-1,628.46	-39.23	1,628.93	0.00	413,024.14	744,193.97
11,000.00	90.00	181.38	9,420.00	6,023.60	-1,728.43	-41.64	1,728.93	0.00	412,924.17	744,191.56
11,100.00	90.00	181.38	9,420.00	6,023.60	-1,828.40	-44.05	1,828.93	0.00	412,824.20	744,189.15
11,200.00	90.00	181.38	9,420.00	6,023.60	-1,928.37	-46.45	1,928.93	0.00	412,724.23	744,186.75
11,300.00	90.00	181.38	9,420.00	6,023.60	-2,028.35	-48.86	2,028.93	0.00	412,624.25	744,184.34
11,400.00	90.00	181.38	9,420.00	6,023.60	-2,128.32	-51.27	2,128.93	0.00	412,524.28	744,181.93
11,500.00	90.00	181.38	9,420.00	6,023.60	-2,228.29	-53.68	2,228.93	0.00	412,424.31	744,179.52
11,600.00	90.00	181.38	9,420.00	6,023.60	-2,328.26	-56.09	2,328.93	0.00	412,324.34	744,177.11

Company:	EOG Resources, Inc.	Local Co-ordinate Reference:	Well #6H
Project:	Lea County	TVD Reference:	WELL @ 3396.40ft (30' KB Correction)
Site:	Vaca "14" Fed	MD Reference:	WELL @ 3396.40ft (30' KB Correction)
Well:	#6H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	Plan #1	Database:	Midland Database

Planned Survey											
MD (ft)	Inc (°)	Azi (°)	TVD (ft)	TVDSS (ft)	N/S (ft)	E/W (ft)	V. Sec. (ft)	DLeg (%/100ft)	Northing (ft)	Easting (ft)	
11,700.00	90.00	181.38	9,420.00	6,023.60	-2,428.23	-58.50	2,428.93	0.00	412,224.37	744,174.70	
11,800.00	90.00	181.38	9,420.00	6,023.60	-2,528.20	-60.90	2,528.93	0.00	412,124.40	744,172.30	
11,900.00	90.00	181.38	9,420.00	6,023.60	-2,628.17	-63.31	2,628.93	0.00	412,024.43	744,169.89	
12,000.00	90.00	181.38	9,420.00	6,023.60	-2,728.14	-65.72	2,728.93	0.00	411,924.46	744,167.48	
12,100.00	90.00	181.38	9,420.00	6,023.60	-2,828.11	-68.13	2,828.93	0.00	411,824.49	744,165.07	
12,200.00	90.00	181.38	9,420.00	6,023.60	-2,928.08	-70.54	2,928.93	0.00	411,724.52	744,162.66	
12,300.00	90.00	181.38	9,420.00	6,023.60	-3,028.06	-72.95	3,028.93	0.00	411,624.54	744,160.25	
12,400.00	90.00	181.38	9,420.00	6,023.60	-3,128.03	-75.35	3,128.93	0.00	411,524.57	744,157.85	
12,500.00	90.00	181.38	9,420.00	6,023.60	-3,228.00	-77.76	3,228.93	0.00	411,424.60	744,155.44	
12,600.00	90.00	181.38	9,420.00	6,023.60	-3,327.97	-80.17	3,328.93	0.00	411,324.63	744,153.03	
12,700.00	90.00	181.38	9,420.00	6,023.60	-3,427.94	-82.58	3,428.93	0.00	411,224.66	744,150.62	
12,800.00	90.00	181.38	9,420.00	6,023.60	-3,527.91	-84.99	3,528.93	0.00	411,124.69	744,148.21	
12,900.00	90.00	181.38	9,420.00	6,023.60	-3,627.88	-87.40	3,628.93	0.00	411,024.72	744,145.80	
13,000.00	90.00	181.38	9,420.00	6,023.60	-3,727.85	-89.80	3,728.93	0.00	410,924.75	744,143.40	
13,100.00	90.00	181.38	9,420.00	6,023.60	-3,827.82	-92.21	3,828.93	0.00	410,824.78	744,140.99	
13,200.00	90.00	181.38	9,420.00	6,023.60	-3,927.79	-94.62	3,928.93	0.00	410,724.81	744,138.58	
13,300.00	90.00	181.38	9,420.00	6,023.60	-4,027.77	-97.03	4,028.93	0.00	410,624.83	744,136.17	
13,400.00	90.00	181.38	9,420.00	6,023.60	-4,127.74	-99.44	4,128.93	0.00	410,524.86	744,133.76	
13,500.00	90.00	181.38	9,420.00	6,023.60	-4,227.71	-101.85	4,228.93	0.00	410,424.89	744,131.35	
13,600.00	90.00	181.38	9,420.00	6,023.60	-4,327.68	-104.25	4,328.93	0.00	410,324.92	744,128.95	
13,700.00	90.00	181.38	9,420.00	6,023.60	-4,427.65	-106.66	4,428.93	0.00	410,224.95	744,126.54	
13,800.00	90.00	181.38	9,420.00	6,023.60	-4,527.62	-109.07	4,528.93	0.00	410,124.98	744,124.13	
13,900.00	90.00	181.38	9,420.00	6,023.60	-4,627.59	-111.48	4,628.93	0.00	410,025.01	744,121.72	
14,000.00	90.00	181.38	9,420.00	6,023.60	-4,727.56	-113.89	4,728.93	0.00	409,925.04	744,119.31	
14,100.00	90.00	181.38	9,420.00	6,023.60	-4,827.53	-116.30	4,828.93	0.00	409,825.07	744,116.90	
14,171.17	90.00	181.38	9,420.00	6,023.60	-4,898.68	-118.01	4,900.10	0.00	409,753.92	744,115.19	

Company:	EOG Resources, Inc.	Local Co-ordinate Reference:	Well #6H
Project:	Lea County	TVD Reference:	WELL @ 3396.40ft (30' KB Correction)
Site:	Vaca "14" Fed	MD Reference:	WELL @ 3396.40ft (30' KB Correction)
Well:	#6H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	Plan #1	Database:	Midland Database

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
PBHL(V#6H) - plan hits target center - Point	0.00	0.00	9,420.00	-4,898.70	-117.10	409,753.900	744,116.100	32° 7' 26.667 N	103° 32' 41.265 W

Checked By: _____ Approved By: _____ Date: _____



Project: Lea County
Site: Vaca "14" Fed
Well: #6H
Wellbore: OH
Plan: Plan #1 (#6H/OH)



Azimuths to Grid North
True North: -0.42°
Magnetic North: 7.24°

Magnetic Field
Strength: 48683.0snT
Dip Angle: 60.15°
Date: 08/15/2010
Model: IGRF200510



WELL DETAILS: #6H

Ground Elevation:: 3366.40
RKB Elevation: WELL @ 3396.40ft (30' KB Correction)
Rig Name: 30' KB Correction

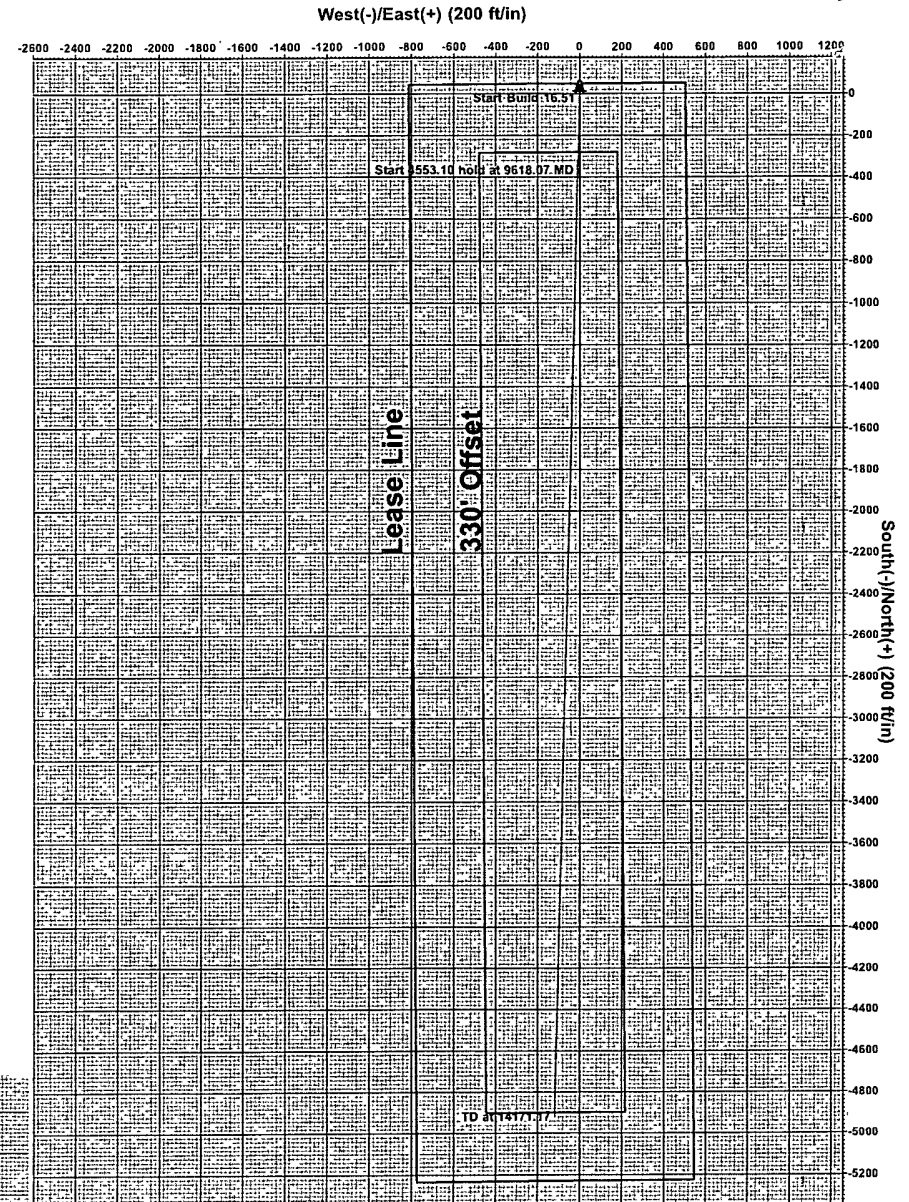
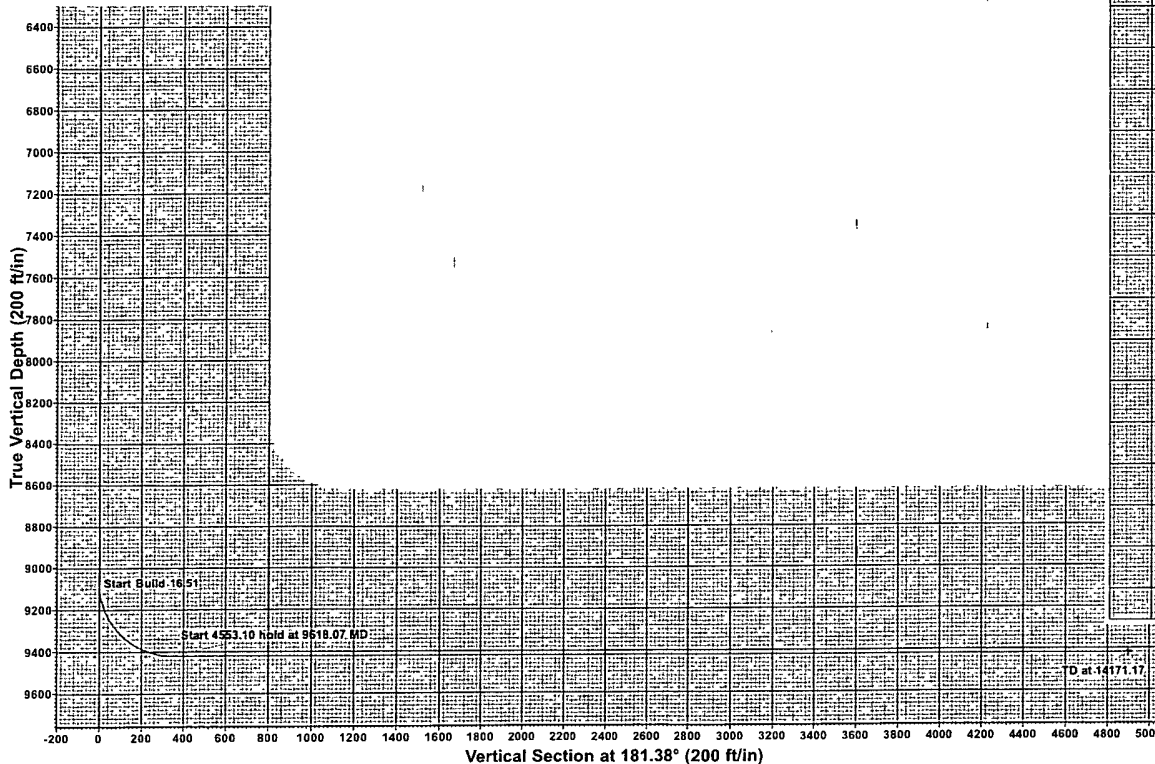
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
0.00	0.00	414652.600	744233.200	32° 8' 15.134 N	103° 32' 39.486 W

WELLBORE TARGET DETAILS (MAP CO-ORDINATES)

Name	TVD	+N/-S	+E/-W	Northing	Easting
PBHL(V#6H)	9420.00	-4898.70	-117.10	409753.900	744116.100

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	9073.00	0.00	0.00	9073.00	0.00	0.00	0.00	0.00	0.00	
3	9618.07	90.00	181.38	9420.00	-346.90	-8.36	16.51	181.38	347.00	
4	14171.17	90.00	181.38	9420.00	-4898.68	-118.01	0.00	0.00	4900.10	PBHL(V#6H)



PROJECT DETAILS: Lea County
Geodetic System: US State Plane 1927 (Exact solution)
Datum: NAD 1927 (NADCON CONUS)
Ellipsoid: Clarke 1866
Zone: New Mexico East 3001

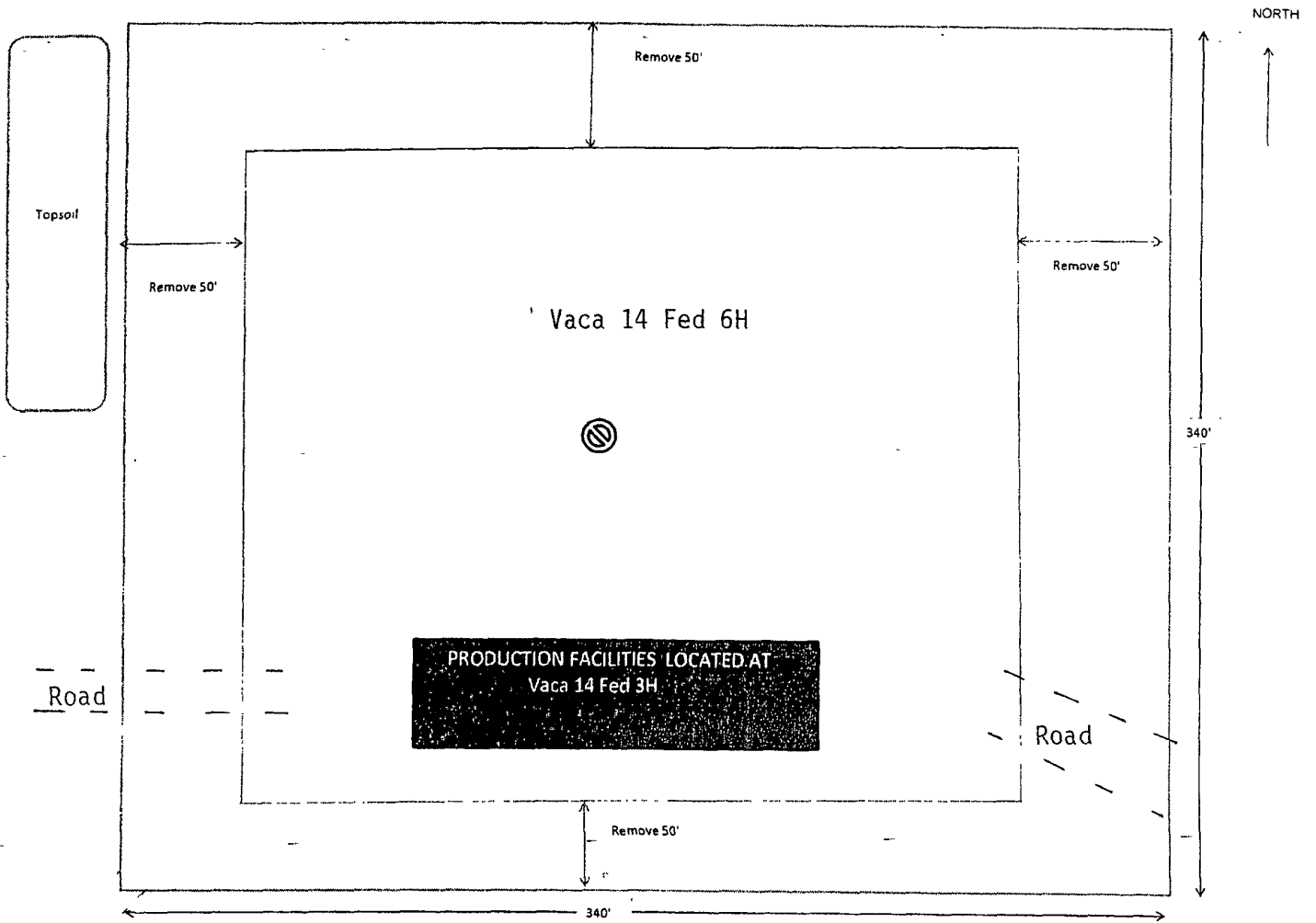
System Datum: Mean Sea Level
Local North: Grid

Plan Plan #1 (#6H/OH)

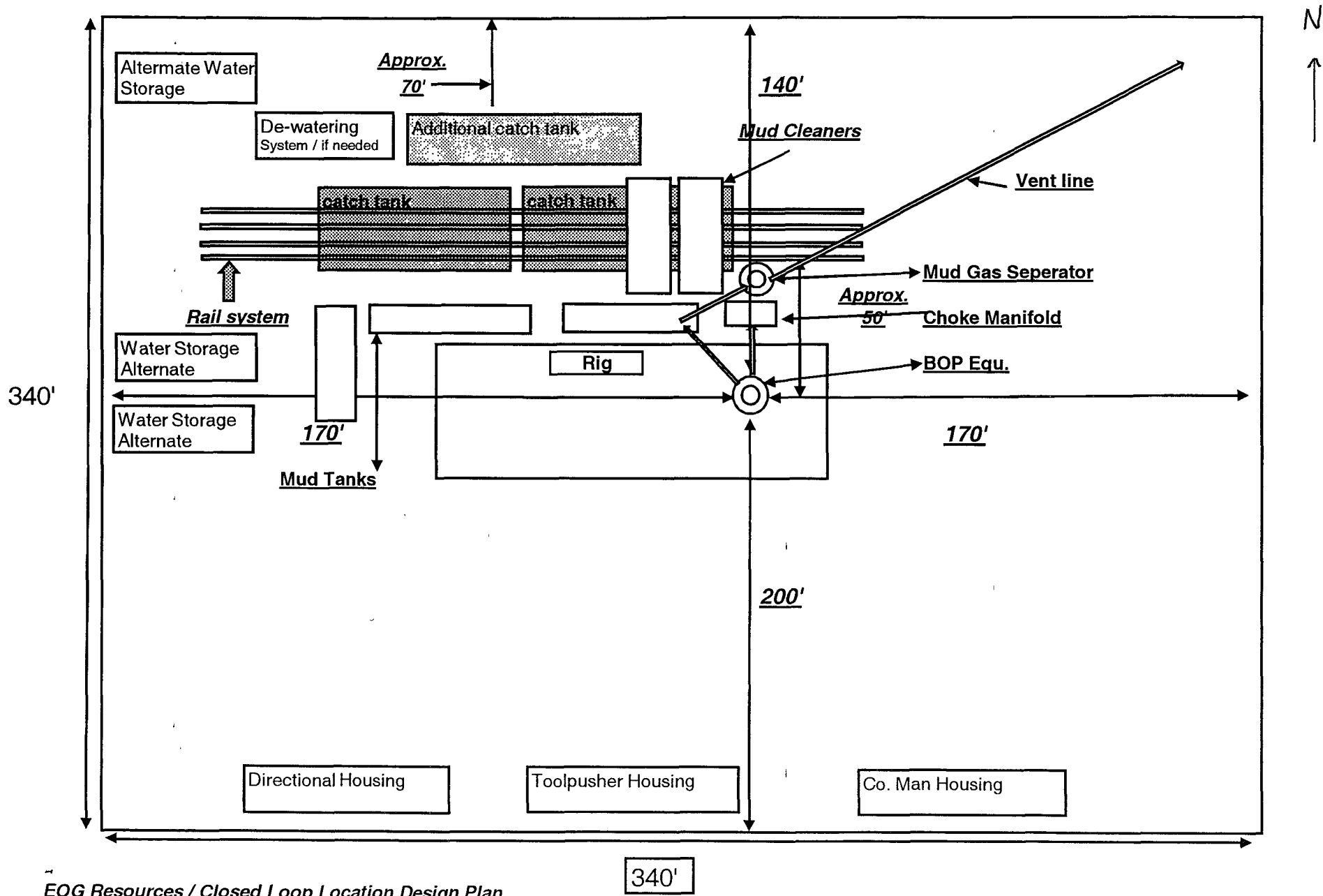
Created By: Nate Bingham Date: 9/40, July 20 2010

Checked: _____ Date: _____

Production Facility Layout



NOT TO SCALE



EOG RESOURCES, INC.
VACA 14 FED 6H

ATTACHMENT TO EXHIBIT #1

1. Wear ring to be properly installed in head.
2. Blow out preventer and all fittings must be in good condition, 5000 psi W.P. minimum. Exhibit #1.
3. All fittings to be flanged
4. Safety valve must be available on rig floor at all times with proper connections, valve to be full bore 5000 psi W.P. minimum.
5. All choke and fill lines to be securely anchored especially ends of choke lines.
6. Equipment through which bit must pass shall be at least as large as the diameter of the casing being drilled through.
7. Kelly cock on kelly.
8. Extension wrenches and hand wheels to be properly installed.
9. Blow out preventer control to be located as close to driller's position as feasible.
10. Blow out preventer closing equipment to include minimum 40-gallon accumulator, two independent sources of pump power on each closing unit installation, and meet all API specifications.

EOG Resources, Inc.

Vaca 14 Fed 6H

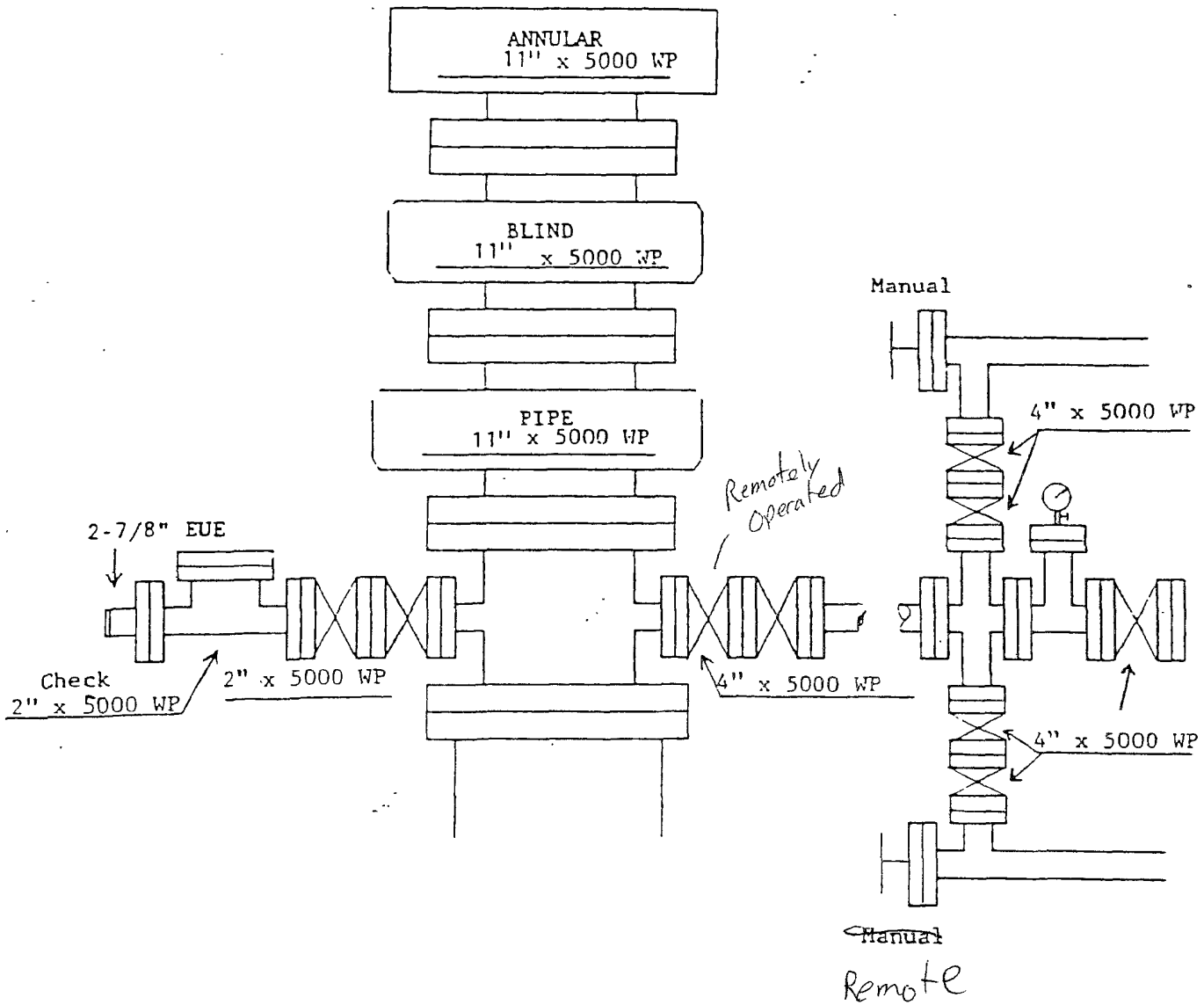
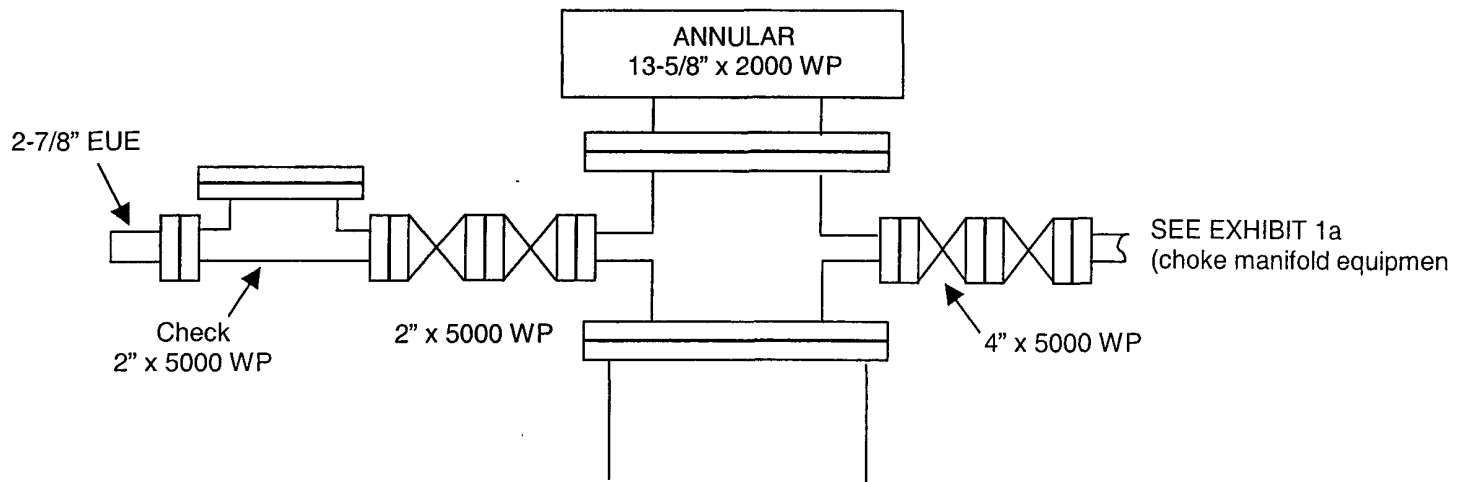


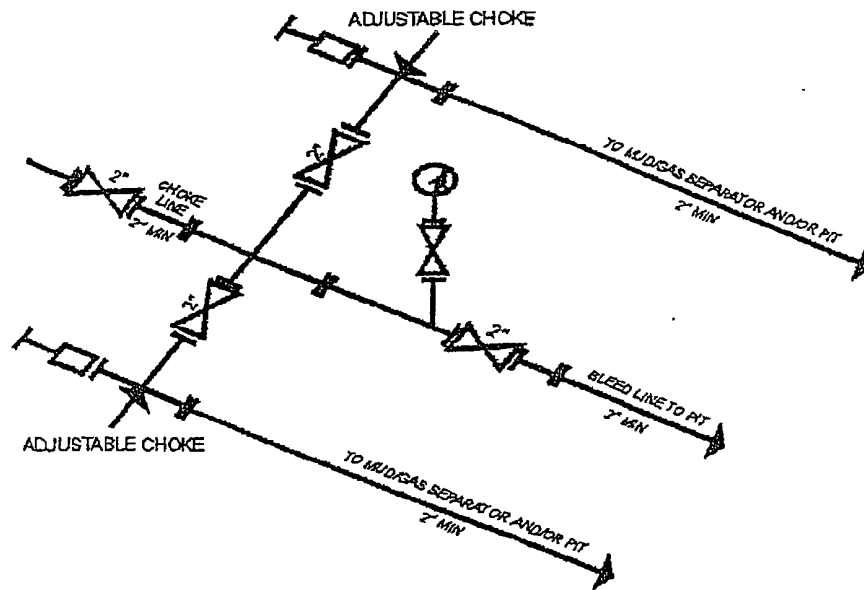
EXHIBIT 1

EOG Resources, Inc.

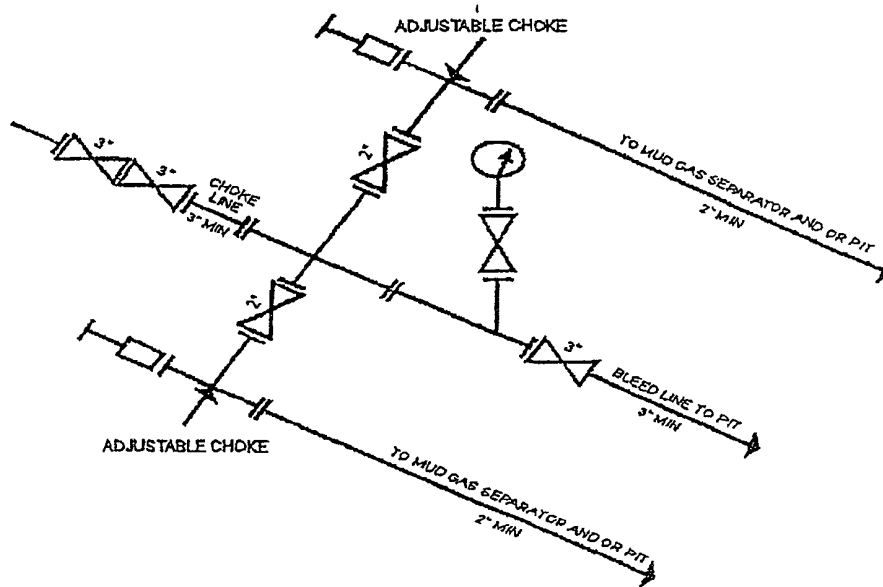
Vaca 14 Fed 6H



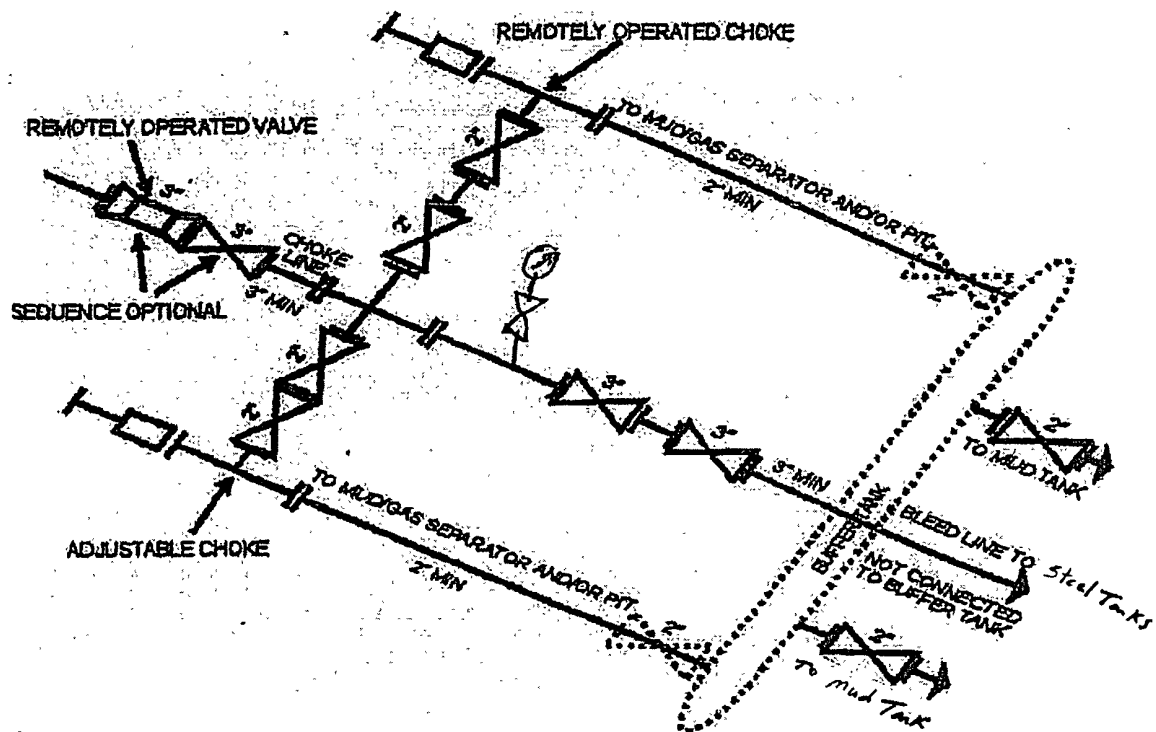
Attachment I. Diagrams of Choke Manifold Equipment



2M CHOKES MANIFOLD EQUIPMENT - CONFIGURATION OF CHOKES MAY VARY



3M CHOKES MANIFOLD EQUIPMENT - CONFIGURATION OF CHOKES MAY VARY
[54 FR 39528, Sept. 27, 1989]

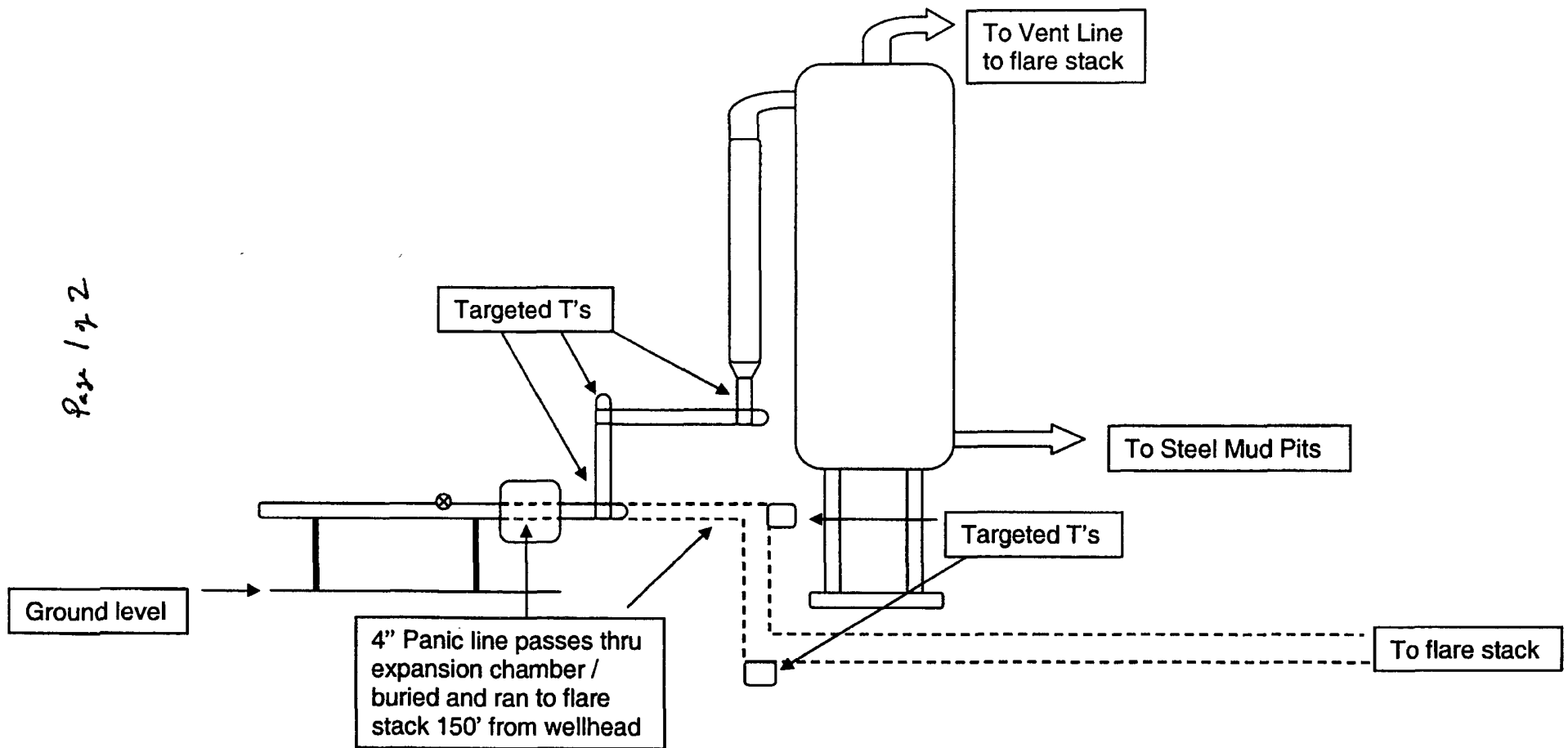


SM CHOKE MANIFOLD EQUIPMENT - CONFIGURATION OF CHOKES MAY VARY

Although not required for any of the choke manifold systems, buffer tanks are sometimes installed downstream of the choke assemblies for the purpose of manifolding the bleed lines together. When buffer tanks are employed, valves shall be installed upstream to isolate a failure or malfunction without interrupting flow control. Though not shown on 2M, 3M, 10M, OR 15M drawings, it would also be applicable to those situations.

[54 FR 39528, Sept. 27, 1989]

Profile View of Piping from Choke Manifold
to the Mud Gas Separator



Page 2 of 2

Aerial View of the Piping from the Choke
Manifold to the Mud Gas Separator

