

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OCD-ARTESIA

FORM APPROVED
OMB NO. 1004-0137
Expires July 31, 2010

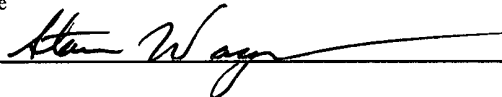
APPLICATION FOR PERMIT TO DRILL OR REENTER

1a. Type of Work ☒ DRILL ☐ REENTER		5. Lease Serial No. NML00554
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. WED 27 Federal 1
4. Location of Well (Report location clearly and in accordance with any State requirements)* At surface 95' FNL & 710' FEL, U/L A At proposed prod. zone 400' FNL & 710' FEL, U/L A		9. API Well No. 30-015-39170
14. Distance in miles and direction from nearest town or post office* Approximately 12.6 miles Southeast from Malaga, NM		10. Field and Pool, or Exploratory Brushy Draw, Delaware
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drg. unit line, if any) 95'	16. No. of Acres in lease 2240	11. Sec., T., R., M., or Blk. and Survey or Area Sec 27, T25S, R29E
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft.	19. Proposed Depth 600' TVD 6018' RMD	12. County or Parish Eddy
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 3047' GL	22. Approximate date work will start* 5/1/2011	13. State NM
20. BLM/BIA Bond No. on file NM 2308		17. Spacing Unit dedicated to this well 40
23. Estimated duration 15 days		

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, must be attached to this form.

- | | |
|--|---|
| 1. Well plat certified by a registered surveyor. | 4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above). |
| 2. A Drilling Plan. | 5. Operator certification. |
| 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). | 6. Such other site specific information and/or plans as may be required by the BLM |

25. Signature 	Name (Printed/Typed) Stan Wagner	Date 02/16/2011
Title Regulatory Analyst		

Approved by (Signautre) /s/ James A. Amos	Name (Printed/Typed)	Date JUN 10 2011
Title FIELD MANAGER	Office CARLSBAD FIELD OFFICE	

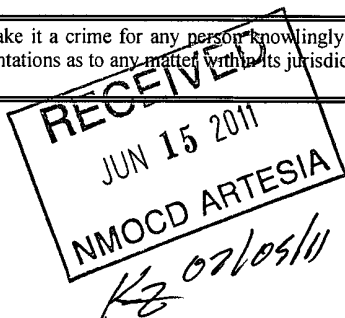
Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.
Conditions of approval, if any, are attached.

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)
Approval Subject to General Requirements
& Special Stipulations AttachedSEE ATTACHED FOR
CONDITIONS OF APPROVAL

Permit Information:

Well Name: WBD 27 Federal No. 1

Location:

SL: 95' FNL & 710' FEL, Section 27, T-25-S, R-29-E, Eddy Co., N.M.

BHL: 400' FNL & 710' FEL, Section 27, T-25-S, R-29-E, Eddy Co., N.M.

Casing Program:

See COA

Bit Size	Interval	Csg OD	Weight	Grade	Conn	DF _{min} Collapse	DF _{min} Burst	DF _{min} Tension
14.75"	0 - 675' 700'	11.750"	42.0#	H40	STC	1.125	1.25	1.60
11.00"	0-3,100'	8.625"	32.0#	J55	LTC	1.125	1.25	1.60
7.875"	0- 6,018'	5.500"	17.0#	N80	LTC	1.125	1.25	1.60

Cement Program: *See COA*

Depth	No. Sacks	Wt. ppg	Yld Ft ³ /ft	Slurry Description
675'	325	14.8	1.32	Class C + 0.005 pps Static Free + 2% CaCl ₂ + 0.25 pps CelloFlake + 0.005 gps FP-6L (TOC @ surface)
3,100'	350	12.7	2.01	Lead: Class C + 2% SMS + 0.8% R-3 + 0.25 pps CelloFlake + 0.005 pps Static Free + 10% Salt (TOC @ surface)
	200	14.8	1.32	Tail: Class 'C' + 0.25 lb/sk Cello Flake + 0.005 lb/sk Static Free
6,018'	375	11.8	2.38	Lead: 50:50:10 Class 'H' + 0.80% FL-52 + 0.45% ASA-301 + 0.40% SMS + 2.00% Salt + 3.00 lb/sx LCM-1 + 0.20% R-21 + 0.25 lb/sk Cello Flake + 0.005 lb/sk Static Free (TOC @ surface)
	275	14.2	1.28	Tail: 50:50:2 Class 'H' + 0.65% FL-52 + 0.20% CD-32 + 0.15% SMS + 2.00% Salt + 0.10% R-3 + 0.005 lb/sk Static Free

Note: Cement volumes based on bit size plus 25% excess

Mud Program:

Depth	Type	Weight (ppg)	Viscosity	Water Loss
0 - 675' 700'	Fresh - Gel	8.6-8.8	28-34	N/c
675' - 3,100'	Brine	10.0-10.2	28-34	N/c
3,100' - 6,018'	Fresh Water	8.4 - 8.6	28 - 34	N/c

WBD 27 Federal #1

Eddy County, New Mexico

95' FNL
710' FEL
Section 27
T-25-S, R-29-E

Proposed Wellbore

API: 30-015-*****

KB: 3,066.9'
GL: 3,047.9'

Bit Size: 14-3/4"

11-3/4", 42#, H-40, STC

0' - ~~675'~~
760

Bit Size: 11"

8-5/8", 32#, J-55, LTC

0' - 3,100'

Bit Size: 7-7/8"

5-1/2", 17#, N-80, LTC @ 11,904'

TD 6,018'

BH Location: 400' FNL & 710' FEL
Section 27
T-25-S, R-29-E

EOG RESOURCES, INC.
WBD 27 FEDERAL NO. 1

1. GEOLOGIC NAME OF SURFACE FORMATION:

Permian

2. ESTIMATED TOPS OF IMPORTANT GEOLOGICAL MARKERS:

Rustler	650'
Top of Salt	680'
Base of Salt	2,925'
Lamar	3,130'
Bell Canyon	3,155'
Cherry Canyon	4,030'
TD	6,018'

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

Upper Permian Sands	0- 400'	Fresh Water
Lamar	3,130'	Oil
Bell Canyon	3,155'	Oil
Cherry Canyon	4,030'	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 11.750" casing at 675' and circulating cement back to surface.

4. CASING PROGRAM - NEW

See C&A

Bit Size	Interval	Csg OD	Weight	Grade	Conn	DF _{min} Collapse	DF _{min} Burst	DF _{min} Tension
14.75"	0 - 675' 700'	11.750"	42.0#	H40	STC	1.125	1.25	1.60
11.00"	0-3,100'	8.625"	32.0#	J55	LTC	1.125	1.25	1.60
7.875"	0- 6,018'	5.500"	17.0#	N80	LTC	1.125	1.25	1.60

EOG RESOURCES, INC.
WBD 27 FEDERAL NO. 1

Cementing Program: *See COA*

Depth	No. Sacks	Wt. ppg	Yld Ft ³ /ft	Slurry Description
675'	325	14.8	1.32	Class C + 0.005 pps Static Free + 2% CaCl ₂ + 0.25 pps CelloFlake + 0.005 gps FP-6L (TOC @ surface)
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Note: Cement volumes based on bit size plus 25% excess

5. MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL:

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). The BOP equipment will be hydraulically operated and will be equipped with blind rams on bottom and drill pipe rams on top. All BOP equipment will be tested in accordance with Onshore Oil & Gas order No. 2. Prior to drilling out of the surface casing, the BOP's will be tested to 2000/250 psig. 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.

A hydraulically operated choke will not be installed prior to the setting and cementing of the 8-5/8" casing string, but will be installed prior to drilling out of the 8-5/8" casing shoe.

EOG RESOURCES, INC.
WBD 27 FEDERAL NO. 1

6. TYPES AND CHARACTERISTICS OF THE PROPOSED MUD SYSTEM:

The well will be drilled to TD with a combination of fresh water and brine water. The applicable depths and properties of this system are as follows:

Depth	Type	Weight (ppg)	Viscosity	Water Loss
0 - 675' 100'	Fresh - Gel	8.6-8.8	28-34	N/c
675' - 3,100'	Brine	10.0-10.2	28-34	N/c
3,100' - 6,018'	Fresh Water	8.4 - 8.6	28 - 34	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 3,100' to TD.

(D) H₂S monitoring and detection equipment will be utilized from 675' to TD.

8. LOGGING, TESTING AND CORING PROGRAM: See COA

Open-hole logging is possible in the 7-7/8" hole section. The possible logging suite for this hole section is listed below:

NGT-CNL-LDT w/ Pe From TD to previous casing shoe. At casing pull GR - Neutron to surface.

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

The estimated bottom hole temperature (BHT) at TD is 125 degrees F with an estimated maximum bottom-hole pressure (BHP) at TD of 2600 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.

EOG RESOURCES, INC.
WBD 27 FEDERAL NO. 1

10. ANTICIPATED STARTING DATE AND DURATION OF OPERATIONS:

The drilling operation should be finished in approximately two weeks. An additional 30-60 days will be required for completion and testing before a decision is made to install permanent facilities.



EOG Resources, Inc.

Eddy County

WBD "27" Federal

#1H

OH

Plan: Design #1

Pathfinder X & Y Planning Report

09 February, 2011

PATHFINDER[®]
A Schlumberger Company

Company:	EOG Resources, Inc	Local Co-ordinate Reference:	Well #1H
Project:	Eddy County	TVD Reference:	WELL @ 3065.90usft (Original-Well Elev)
Site:	WBD "27" Federal	MD Reference:	WELL @ 3065 90usft (Original Well Elev)
Well:	#1H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	Design #1	Database:	EDM 5000 1 Single User Db

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

Site:	WBD "27" Federal		
Site Position:		Northing:	403,129.400 usft
From:	Map	Easting:	613,895.600 usft
Position Uncertainty:	0 00 usft	Slot Radius:	13-3/16 "
		Latitude:	32° 6' 28.025 N
		Longitude:	103° 57' 55.771 W
		Grid Convergence:	0.20 °

Well:	#1H				
Well Position	+N-S	0.00 usft	Northing:	403,129.400 usft	Latitude: 32° 6' 28.025 N
	+E-W	0.00 usft	Easting:	613,895.600 usft	Longitude: 103° 57' 55.771 W
Position Uncertainty	0.00 usft		Wellhead Elevation:	usft	Ground Level: 3,047.90 usft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF200510	02/08/11	7.79	60.04	48,576

Design		Design #1		
Audit Notes:				
Version:	Phase:	PLAN	Tie On Depth:	0 00
Vertical Section:	Depth From (TVD)	+N-S	+E-W	Direction
	(usft)	(usft)	(usft)	(°)
	0.00	0 00	0.00	179.53

Survey Tool Program	Date	02/08/11		
From	To	Survey (Wellbore)	Tool Name	Description
(usft)	(usft)			
0.00	6,018.41	Design #1 (OH)	MWD	MWD - Standard



Pathfinder
Pathfinder X & Y Planning Report

PATHFINDER
A Schlumberger Company

Company: EOG Resources, Inc.
Project: Eddy County
Site: WBD "27" Federal
Well: #1H
Wellbore: OH
Design: Design #1

Local Co-ordinate Reference: Well #1H
TVD Reference: WELL @ 3065.90usft (Original Well Elev)
MD Reference: WELL @ 3065.90usft (Original Well Elev)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: EDM 5000.1 Single User Db

Planned Survey

MD (usft)	Inc (°)	Azi (°)	TVD (usft)	TVDSS (usft)	N/S (usft)	E/W (usft)	V-Sec (usft)	DLeg (°/100usft)	Northing (usft)	Easting (usft)
0.00	0.00	0.00	0.00	3,065.90	0.00	0.00	0.00	0.00	403,129.40	613,895.60
100.00	0.00	0.00	100.00	2,965.90	0.00	0.00	0.00	0.00	403,129.40	613,895.60
200.00	0.00	0.00	200.00	2,865.90	0.00	0.00	0.00	0.00	403,129.40	613,895.60
300.00	0.00	0.00	300.00	2,765.90	0.00	0.00	0.00	0.00	403,129.40	613,895.60
400.00	0.00	0.00	400.00	2,665.90	0.00	0.00	0.00	0.00	403,129.40	613,895.60
500.00	0.00	0.00	500.00	2,565.90	0.00	0.00	0.00	0.00	403,129.40	613,895.60
600.00	0.00	0.00	600.00	2,465.90	0.00	0.00	0.00	0.00	403,129.40	613,895.60
700.00	0.00	0.00	700.00	2,365.90	0.00	0.00	0.00	0.00	403,129.40	613,895.60
800.00	1.00	179.53	799.99	2,265.91	-0.87	0.01	0.87	1.00	403,128.53	613,895.61
900.00	2.00	179.53	899.96	2,165.94	-3.49	0.03	3.49	1.00	403,125.91	613,895.63
1,000.00	3.00	179.53	999.86	2,066.04	-7.85	0.06	7.85	1.00	403,121.55	613,895.66
1,100.00	4.00	179.53	1,099.68	1,966.22	-13.96	0.11	13.96	1.00	403,115.44	613,895.71
1,200.00	5.00	179.53	1,199.37	1,866.53	-21.80	0.18	21.80	1.00	403,107.60	613,895.78
1,280.00	5.80	179.53	1,279.01	1,786.89	-29.33	0.24	29.33	1.00	403,100.07	613,895.84
1,300.00	5.80	179.53	1,298.91	1,766.99	-31.35	0.26	31.35	0.00	403,098.05	613,895.86
1,400.00	5.80	179.53	1,398.40	1,667.50	-41.46	0.34	41.46	0.00	403,087.94	613,895.94
1,500.00	5.80	179.53	1,497.88	1,568.02	-51.56	0.42	51.56	0.00	403,077.84	613,896.02
1,600.00	5.80	179.53	1,597.37	1,468.53	-61.67	0.51	61.67	0.00	403,067.73	613,896.11
1,700.00	5.80	179.53	1,696.86	1,369.04	-71.77	0.59	71.78	0.00	403,057.63	613,896.19
1,800.00	5.80	179.53	1,796.35	1,269.55	-81.88	0.67	81.88	0.00	403,047.52	613,896.27
1,900.00	5.80	179.53	1,895.84	1,170.06	-91.98	0.75	91.99	0.00	403,037.42	613,896.35
2,000.00	5.80	179.53	1,995.32	1,070.58	-102.09	0.84	102.09	0.00	403,027.31	613,896.44
2,100.00	5.80	179.53	2,094.81	971.09	-112.19	0.92	112.20	0.00	403,017.21	613,896.52
2,200.00	5.80	179.53	2,194.30	871.60	-122.30	1.00	122.30	0.00	403,007.10	613,896.60
2,300.00	5.80	179.53	2,293.79	772.11	-132.40	1.09	132.41	0.00	402,997.00	613,896.69
2,400.00	5.80	179.53	2,393.28	672.62	-142.51	1.17	142.51	0.00	402,986.89	613,896.77
2,500.00	5.80	179.53	2,492.76	573.14	-152.61	1.25	152.62	0.00	402,976.79	613,896.85

Company: EOG Resources, Inc.
Project: Eddy County
Site: WBD "27" Federal
Well: #1H
Wellbore: OH
Design: Design #1

Local Co-ordinate Reference: Well #1H
TVD Reference: WELL @ 3065.90usft (Original Well Elev)
MD Reference: WELL @ 3065.90usft (Original Well Elev)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: EDM 5000.1 Single User Db

Planned Survey

MD (usft)	Inc (°)	Azi (°)	TVD (usft)	TVDSS (usft)	N/S (usft)	E/W (usft)	V. Sec (usft)	DLeg (°/100usft)	Northing (usft)	Easting (usft)
2,600.00	5.80	179.53	2,592.25	473.65	-162.72	1.33	162.73	0.00	402,966.68	613,896.93
2,700.00	5.80	179.53	2,691.74	374.16	-172.83	1.42	172.83	0.00	402,956.57	613,897.02
2,800.00	5.80	179.53	2,791.23	274.67	-182.93	1.50	182.94	0.00	402,946.47	613,897.10
2,900.00	5.80	179.53	2,890.72	175.18	-193.04	1.58	193.04	0.00	402,936.36	613,897.18
3,000.00	5.80	179.53	2,990.20	75.70	-203.14	1.67	203.15	0.00	402,926.26	613,897.27
3,100.00	5.80	179.53	3,089.69	-23.79	-213.25	1.75	213.25	0.00	402,916.15	613,897.35
3,200.00	5.80	179.53	3,189.18	-123.28	-223.35	1.83	223.36	0.00	402,906.05	613,897.43
3,300.00	5.80	179.53	3,288.67	-222.77	-233.46	1.92	233.47	0.00	402,895.94	613,897.52
3,400.00	5.80	179.53	3,388.16	-322.26	-243.56	2.00	243.57	0.00	402,885.84	613,897.60
3,500.00	5.80	179.53	3,487.65	-421.75	-253.67	2.08	253.68	0.00	402,875.73	613,897.68
3,600.00	5.80	179.53	3,587.13	-521.23	-263.77	2.16	263.78	0.00	402,865.63	613,897.76
3,700.00	5.80	179.53	3,686.62	-620.72	-273.88	2.25	273.89	0.00	402,855.52	613,897.85
3,800.00	5.80	179.53	3,786.11	-720.21	-283.98	2.33	283.99	0.00	402,845.42	613,897.93
3,900.00	5.80	179.53	3,885.60	-819.70	-294.09	2.41	294.10	0.00	402,835.31	613,898.01
4,000.00	5.80	179.53	3,985.09	-919.19	-304.19	2.50	304.20	0.00	402,825.21	613,898.10
4,014.99	5.80	179.53	4,000.00	-934.10	-305.71	2.51	305.72	0.00	402,823.69	613,898.11
4,100.00	5.55	179.53	4,084.59	-1,018.69	-314.12	2.58	314.13	0.29	402,815.28	613,898.18
4,200.00	5.26	179.53	4,184.15	-1,118.25	-323.54	2.65	323.55	0.29	402,805.86	613,898.25
4,300.00	4.97	179.53	4,283.75	-1,217.85	-332.46	2.73	332.48	0.29	402,796.94	613,898.33
4,400.00	4.68	179.53	4,383.39	-1,317.49	-340.88	2.80	340.89	0.29	402,788.52	613,898.40
4,500.00	4.39	179.53	4,483.08	-1,417.18	-348.79	2.86	348.81	0.29	402,780.61	613,898.46
4,600.00	4.10	179.53	4,582.80	-1,516.90	-356.20	2.92	356.21	0.29	402,773.20	613,898.52
4,700.00	3.81	179.53	4,682.57	-1,616.67	-363.10	2.98	363.12	0.29	402,766.30	613,898.58
4,800.00	3.52	179.53	4,782.36	-1,716.46	-369.50	3.03	369.52	0.29	402,759.90	613,898.63
4,900.00	3.23	179.53	4,882.19	-1,816.29	-375.40	3.08	375.41	0.29	402,754.00	613,898.68
5,000.00	2.94	179.53	4,982.04	-1,916.14	-380.78	3.12	380.80	0.29	402,748.62	613,898.72
5,100.00	2.65	179.53	5,081.92	-2,016.02	-385.67	3.16	385.68	0.29	402,743.73	613,898.76

Company: EOG Resources, Inc.
Project: Eddy County
Site: WBD "27" Federal
Well: #1H
Wellbore: OH
Design: Design #1

Local Co-ordinate Reference: Well #1H
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Survey Calculation Method: Minimum Curvature
Database: EDM 5000.1 Single User Db

Planned Survey

MD (usft)	Inc (°)	Azi (°)	TVD (usft)	TVDSS (usft)	N/S (usft)	E/W (usft)	V. Sec (usft)	DLeg (°/100usft)	Northing (usft)	Easting (usft)
5,200.00	2.36	179.53	5,181.83	-2,115.93	-390.04	3.20	390.06	0.29	402,739.36	613,898.80
5,300.00	2.07	179.53	5,281.75	-2,215.85	-393.91	3.23	393.93	0.29	402,735.49	613,898.83
5,400.00	1.78	179.53	5,381.69	-2,315.79	-397.28	3.26	397.29	0.29	402,732.12	613,898.86
5,500.00	1.49	179.53	5,481.65	-2,415.75	-400.14	3.28	400.15	0.29	402,729.26	613,898.88
5,600.00	1.20	179.53	5,581.63	-2,515.73	-402.49	3.30	402.50	0.29	402,726.91	613,898.90
5,700.00	0.91	179.53	5,681.61	-2,615.71	-404.34	3.32	404.35	0.29	402,725.06	613,898.92
5,800.00	0.62	179.53	5,781.60	-2,715.70	-405.68	3.33	405.69	0.29	402,723.72	613,898.93
5,900.00	0.33	179.53	5,881.60	-2,815.70	-406.51	3.33	406.53	0.29	402,722.89	613,898.93
6,000.00	0.04	179.53	5,981.59	-2,915.69	-406.84	3.34	406.86	0.29	402,722.56	613,898.94
6,014.99	0.00	0.00	5,996.59	-2,930.69	-406.85	3.34	406.86	0.29	402,722.55	613,898.94
6,018.41	0.00	0.00	6,000.00	-2,934.10	-406.85	3.34	406.86	0.00	402,722.55	613,898.94

Checked By: _____ Approved By: _____ Date: _____



PROJECT DETAILS: Eddy 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



Azimuths to Grid North
True North: -0.20°
Magnetic North: 7.59°

Magnetic Field
Strength: 48575.5snT
Dip Angle: 60.04°
Date: 02/08/2011
Model: IGRF200510

PATHFINDER
A Schlumberger Company

Project: Eddy County
Site: WBD "27" Federal
Well: #1H
Wellbore: OH
Plan: Design #1 (#1H/OH)

SECTION DETAILS

MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect	Target
0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	
700 00	0 00	0 00	700 00	0 00	0 00	0 00	0 00	0 00	
1280 00	5 80	179 53	1279 01	-29 33	0 24	1 00	179 53	29 33	
4014 99	5 80	179 53	4000 00	-305 71	2 51	0 00	0 00	305 72	
5601 41	0 00	0 00	5996 59	-406 85	3 34	0 29	180 00	406 86	
6018 41	0 00	0 00	6000 00	-406 85	3 34	0 00	0 00	406 86	

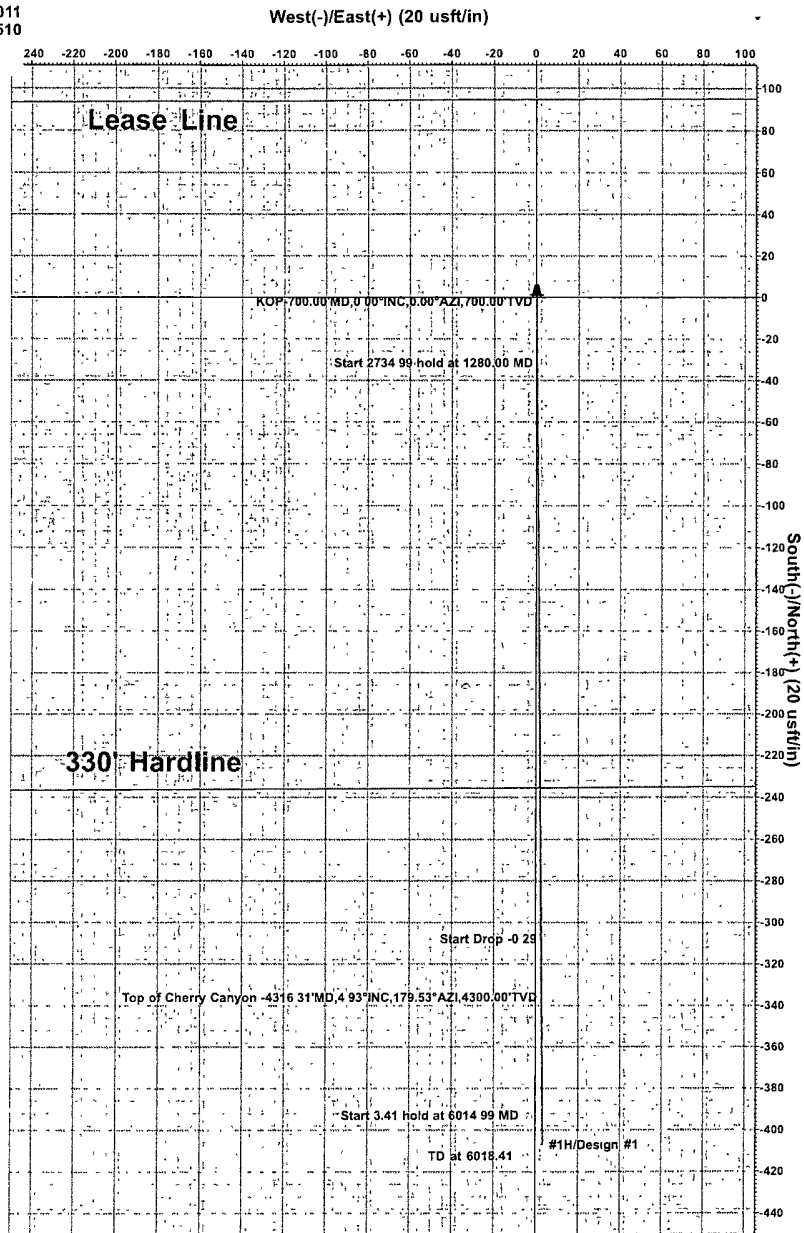
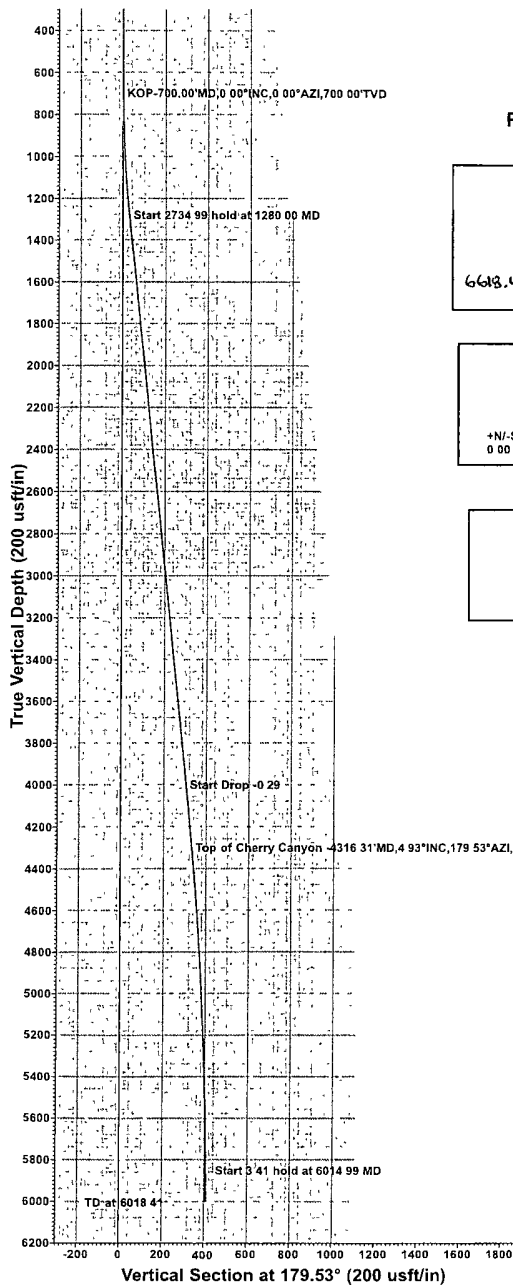
WELL DETAILS: #1H

Ground Elevation: 3047 90
RKB Elevation: WELL @ 3065 90usft (Original Well Elev)
Rig Name: Original Well Elev

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0 00	0 00	403129 400	613895 600	32° 6' 28 025 N	103° 57' 55.771 W	

WELLBORE TARGET DETAILS (MAP CO-ORDINATES)

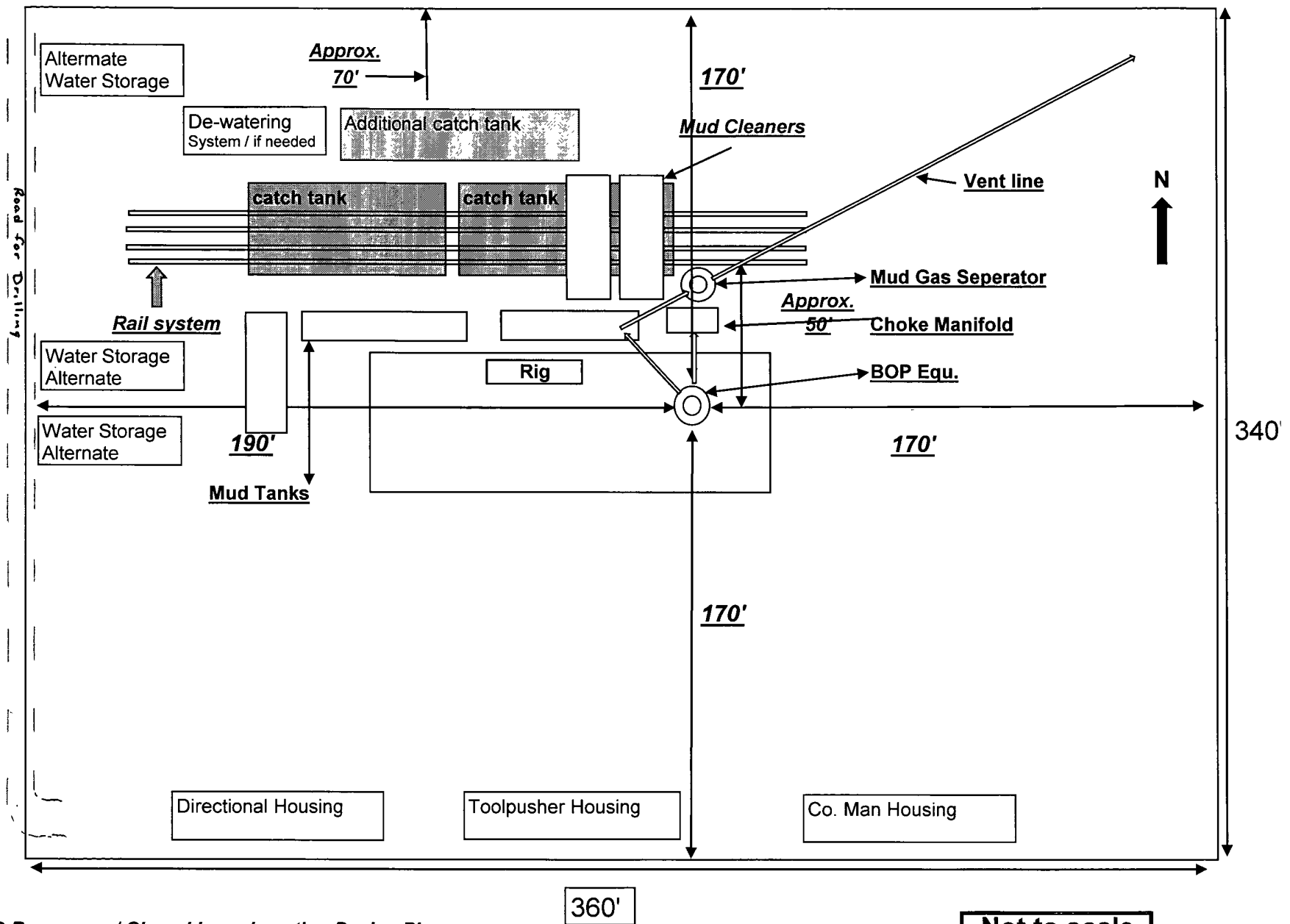
Name	TVD	+N/-S	+E/-W	Northing	Easting	Shape
PBHL (WBD27)000 00		-305 00	2 50	402824 400	613898 100	Point



Plan Design #1 (#1H/OH)

Created By: Nate Bingham Date: 10/54, February 10/2011

EXHIBIT 4
WBD 27 Federal 1



EOG RESOURCES, INC.
WBD 27 FED 1

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.

EXHIBIT 1

EOG Resources
WBD 27 Federal No. 1

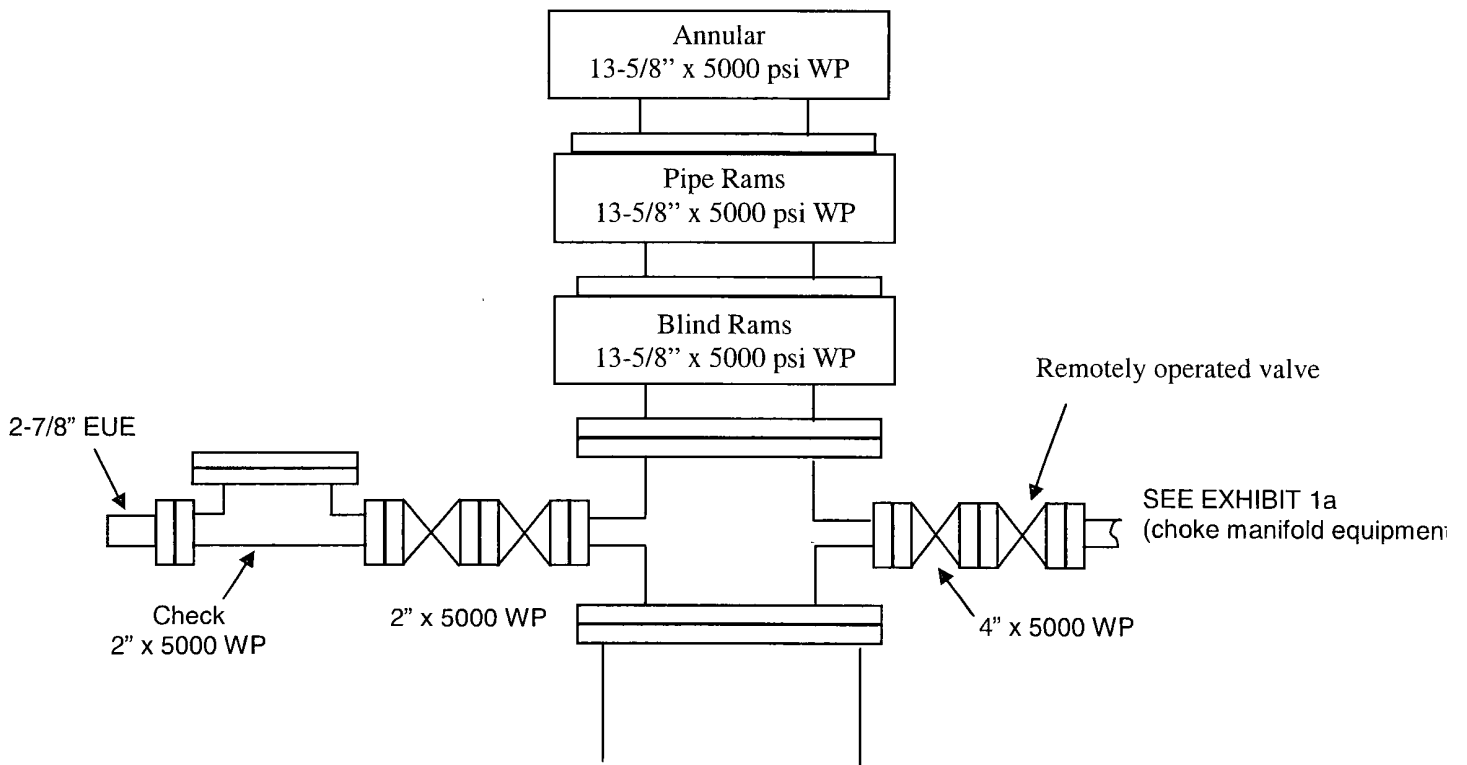
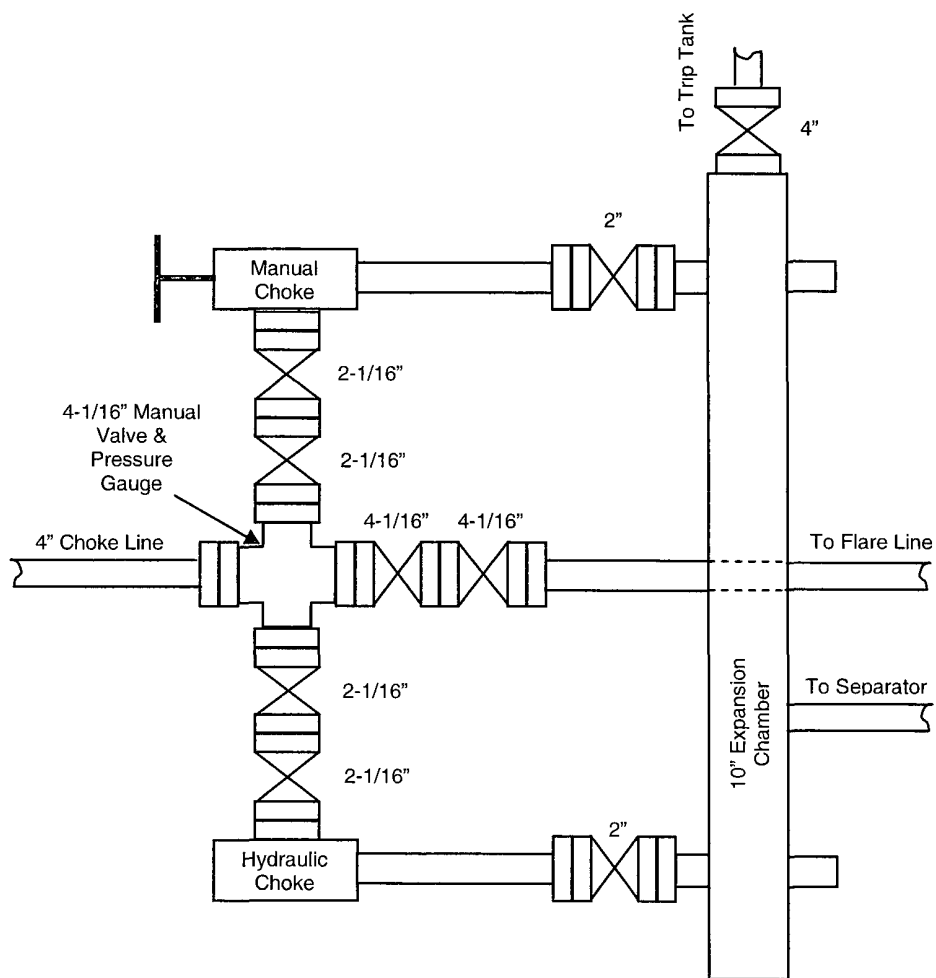
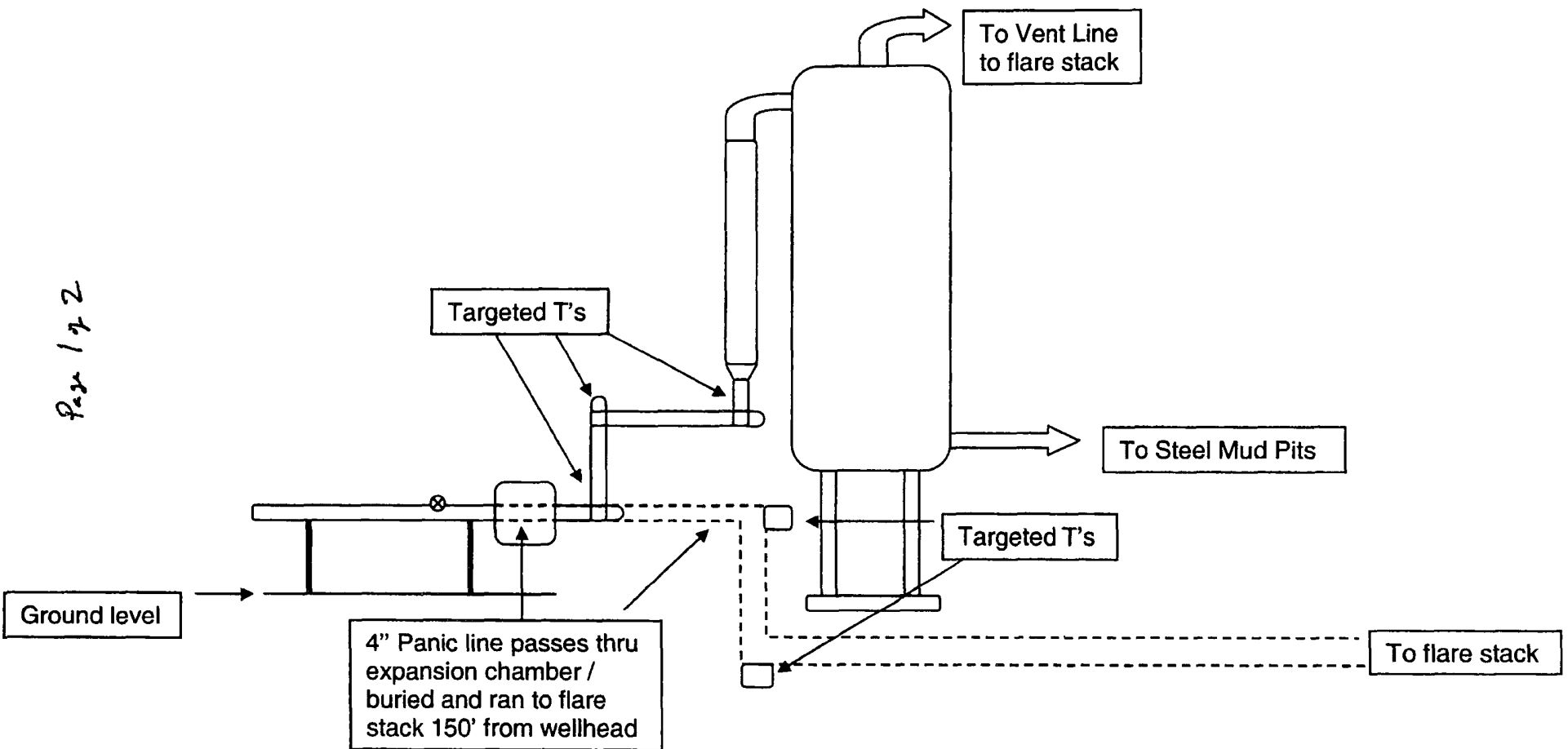


EXHIBIT 1a
EOG Resources, Inc.
5M Choke Manifold Equipment

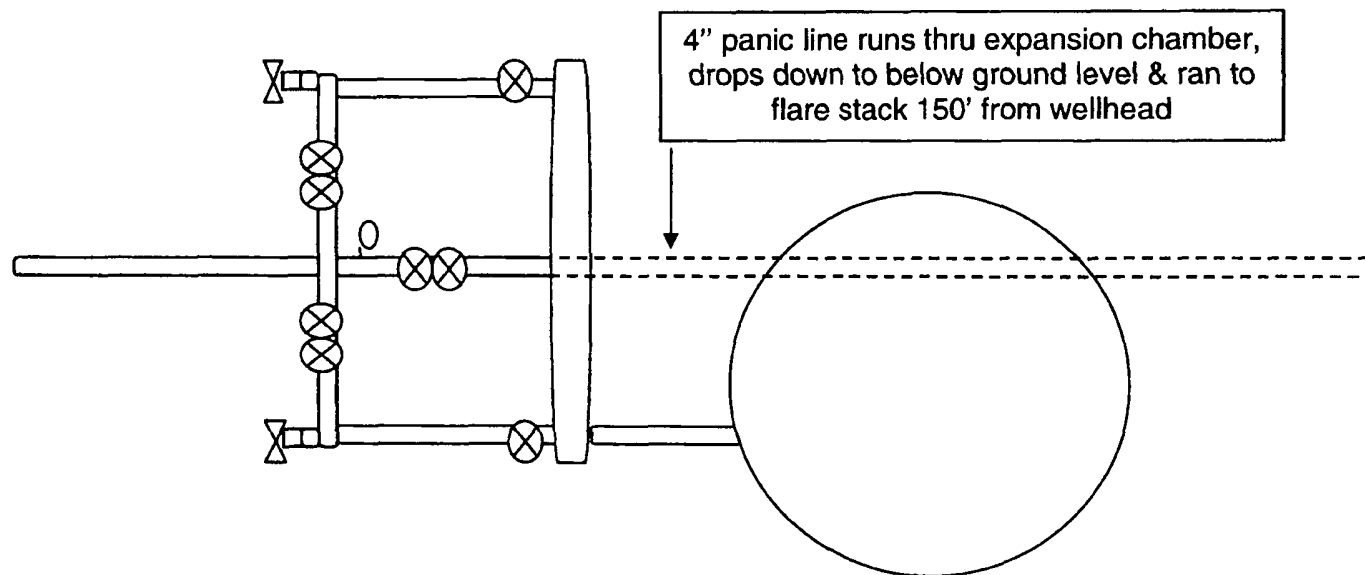


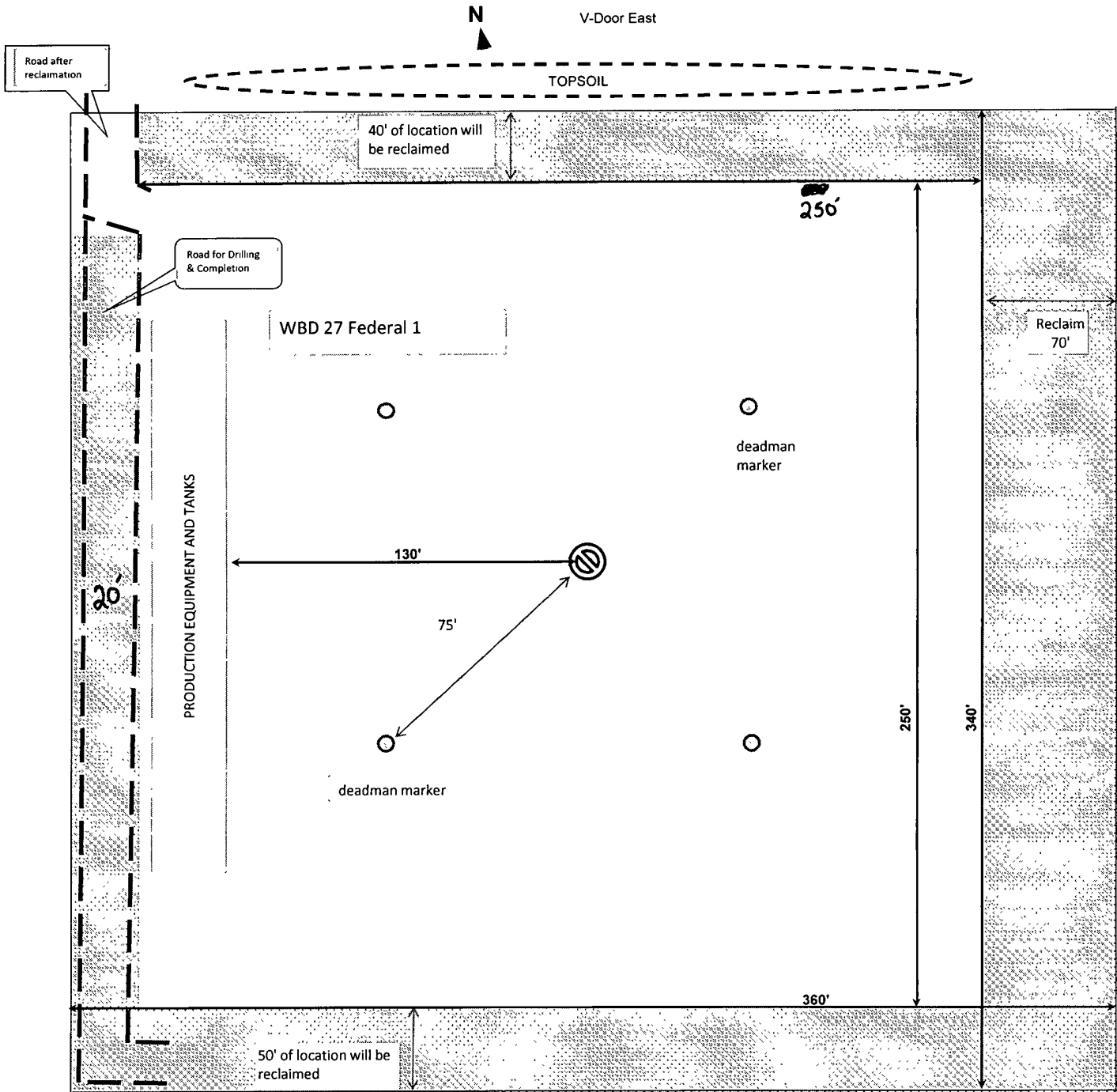
Profile View of Piping from Choke Manifold
to the Mud Gas Separator



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





Not to Scale

DISTRICT I --- CHECKLIST FOR INTENTS TO DRILL

38685 Operator EOG RESOURCES INC OGRID # 7377
 Well Name & # WBD 27 FEDERAL #1 Surface Type (F) (S) (P) (F)
 Location: UL A Sect 27 Township 25 s, RNG 25 e, Sub-surface Type (F) (S) (P) (F)
A 27 25-25

A. Date C101 rec'd / / C101 reviewed / /

B. 1. Check mark, Information is OK on Forms:

OGRID X BONDING FED PROP CODE X WELL # X SIGNATURE X

2. Inactive Well list as of: 7/5/11 # wells 47, # Inactive wells 9

a. District Grant APD but see number of inactive wells:

No letter required X; Sent Letter to Operator , to Santa Fe

3. Additional Bonding as of: 7/11/11

a. District Denial because operator needs addition bonding:

No Letter required X; Sent Letter to Operator , To Santa Fe

b. District Denial because of Inactive well list and Financial Assurance:

No Letter required X; Sent Letter to Operator , To Santa Fe

C. C102 YES , NO , Signature

1. Pool BRUSHY DRAW; DELAWARE, NORTH 8085, Code

a. Dedicated acreage 40, What Units A

b. SUR. Location Standard : Non-Standard Location X MA Standard X

c. Well shares acres: Yes , No , # of wells plus this well #

2. 2nd. Operator in same acreage, Yes , No

Agreement Letter , Disagreement letter

3. Intent to Directional Drill Yes , No

a. Dedicated acreage 40, What Units A

b. Bottomhole Location Standard X, Non-Standard Bottomhole

4. Downhole Commingle: Yes , No X

a. Pool #2 , Code , Acres

Pool #3 , Code , Acres

Pool #4 , Code , Acres

5. POTASH Area Yes , No X

D. Blowout Preventer Yes X, No

E. H2S Yes X, No

F. C144 Pit Registration Yes , No , need

G. Does APD require Santa Fe Approval:

1. Non-Standard Location: Yes , No X, NSL #

2. Non-Standard Proration: Yes , No X, NSP #

3. Simultaneous Dedication: Yes , No X, SD #

Number of wells Plus #

4. Injection order Yes , No X; PMX # or WFX #

5. SWD order Yes , NO X; SWD #

6. DHC from SF ; DHC-HOB ; Holding

7. OCD Approval Date 07/05/11

API #30-015-- 39/20

8. Reviewers KZ