AFMSS

U.S. Department of the Interior
BUREAU OF LAND MANAGEMENT

APD Print Report
04/03/2017

APD ID: 10400010153
Operator Name: EOG RESOURCES INC
Well Name: RUBY 2 FED COM
Well Type: OIL WELL

Submission Date: 01/31/2017
Federal/Indian APD: FED
Well Number: 705H
Well Work Type: Drill

Highlight All Changes

Application

Section 1 - General

APD ID: 10400010153
Tie to previous NOS?
Submission Date: 01/31/2017

BLM Office: CARLSBAD
User: Stan Wagner
Title: Regulatory Specialsit

Federal/Indian APD: FED
Is the first lease penetrated for production Federal or Indian? FED

Lease number: NMNM66927
Lease Acres: 2480

Surface access agreement in place?
Allotted?
Reservation:

Agreement in place? NO
Federal or Indian agreement:

Agreement number:

Agreement name:

Keep application confidential? NO

Permitting Agent? NO
APD Operator: EOG RESOURCES INC

Operator letter of designation:

Keep application confidential? NO

Operator Info

Operator Organization Name: EOG RESOURCES INC

Operator Address: 1111 Bagby Sky Lobby2

Zip: 77002

Operator PO Box:

Operator City: Houston
State: TX

Operator Phone: (713)651-7000

Operator Internet Address:

Section 2 - Well Information

Well in Master Development Plan? NO
Mater Development Plan name:

Well in Master SUPO? NO
Master SUPO name:

Well in Master Drilling Plan? NO
Master Drilling Plan name:

Operator Name: EOG RESOURCES INC

Well Name: RUBY 2 FED COM **Well Number:** 705H

Well Name: RUBY 2 FED COM **Well Number:** 705H **Well API Number:**

Field/Pool or Exploratory? Field and Pool **Field Name:** RED HILLS **Pool Name:** HARDIN TANK; WOLFCAMP

Is the proposed well in an area containing other mineral resources? NATURAL GAS,OIL

Describe other minerals:

Is the proposed well in a Helium production area? N **Use Existing Well Pad?** NO **New surface disturbance?**

Type of Well Pad: MULTIPLE WELL **Multiple Well Pad Name:** RUBY 2 FED COM **Number:** 704H/705H

Well Class: HORIZONTAL **Number of Legs:** 1

Well Work Type: Drill

Well Type: OIL WELL

Describe Well Type:

Well sub-Type: INFILL

Describe sub-type:

Distance to town: 15 Miles **Distance to nearest well:** 577 FT **Distance to lease line:** 220 FT

Reservoir well spacing assigned acres Measurement: 320 Acres

Well plat: ruby2fedcom705H_signed C-102_01-26-2017.pdf

Well work start Date: 07/01/2017 **Duration:** 25 DAYS

Section 3 - Well Location Table

Survey Type: RECTANGULAR

Describe Survey Type:

Datum: NAD83 **Vertical Datum:** NAVD88

Survey number:

	STATE: NEW MEXICO	**Meridian:** NEW MEXICO PRINCIPAL	**County:** LEA
	Latitude: 32.0790976	**Longitude:** -103.4422129	
SHL	**Elevation:** 3295	**MD:** 0	**TVD:** 0
Leg #: 1	**Lease Type:** STATE	**Lease #:** STATE	
	NS-Foot: 220	**NS Indicator:** FNL	
	EW-Foot: 2185	**EW Indicator:** FWL	
	Twsp: 26S	**Range:** 34E	**Section:** 2
	Aliquot: NENW	**Lot:**	**Tract:**

Operator Name: EOG RESOURCES INC

Well Name: RUBY 2 FED COM **Well Number:** 705H

	STATE: NEW MEXICO	**Meridian:** NEW MEXICO PRINCIPAL	**County:** LEA
	Latitude: 32.0789711	**Longitude:** -103.4417494	
KOP	**Elevation:** -8893	**MD:** 12198	**TVD:** 12188
Leg #: 1	**Lease Type:** STATE	**Lease #:** STATE	
	NS-Foot: 50	**NS Indicator:** FNL	
	EW-Foot: 2565	**EW Indicator:** FWL	
	Twsp: 26S	**Range:** 34E	**Section:** 2
	Aliquot: NENW	**Lot:**	**Tract:**
	STATE: NEW MEXICO	**Meridian:** NEW MEXICO PRINCIPAL	**County:** LEA
	Latitude: 32.0786681	**Longitude:** -103.4404508	
PPP	**Elevation:** -9336	**MD:** 12752	**TVD:** 12631
Leg #: 1	**Lease Type:** STATE	**Lease #:** STATE	
	NS-Foot: 330	**NS Indicator:** FNL	
	EW-Foot: 2588	**EW Indicator:** FWL	
	Twsp: 26S	**Range:** 34E	**Section:** 2
	Aliquot: NENW	**Lot:**	**Tract:**
	STATE: NEW MEXICO	**Meridian:** NEW MEXICO PRINCIPAL	**County:** LEA
	Latitude: 32.0514536	**Longitude:** -103.4404408	
EXIT	**Elevation:** -9447	**MD:** 22659	**TVD:** 12742
Leg #: 1	**Lease Type:** FEDERAL	**Lease #:** NMNM66927	
	NS-Foot: 330	**NS Indicator:** FSL	
	EW-Foot: 2588	**EW Indicator:** FWL	
	Twsp: 26S	**Range:** 34E	**Section:** 11
	Aliquot: SESW	**Lot:**	**Tract:**
	STATE: NEW MEXICO	**Meridian:** NEW MEXICO PRINCIPAL	**County:** LEA
	Latitude: 32.0513039	**Longitude:** -103.4409039	
BHL	**Elevation:** -9448	**MD:** 22759	**TVD:** 12743
Leg #: 1	**Lease Type:** FEDERAL	**Lease #:** NMNM66927	
	NS-Foot: 230	**NS Indicator:** FSL	
	EW-Foot: 2588	**EW Indicator:** FWL	

Operator Name: EOG RESOURCES INC

Well Name: RUBY 2 FED COM **Well Number:** 705H

Twsp: 26S **Range:** 34E **Section:** 11

Aliquot: SESW **Lot:** **Tract:**

Drilling Plan

Section 1 - Geologic Formations

ID: Surface formation **Name:** RUSTLER

Lithology(ies):

ANHYDRITE

Elevation: 2461 **True Vertical Depth:** 834 **Measured Depth:** 834

Mineral Resource(s):

NONE

Is this a producing formation? N

ID: Formation 1 **Name:** TOP SALT

Lithology(ies):

SALT

Elevation: 1083 **True Vertical Depth:** 1378 **Measured Depth:** 1378

Mineral Resource(s):

NONE

Is this a producing formation? N

ID: Formation 2 **Name:** BASE OF SALT

Lithology(ies):

SALT

Elevation: -1495 **True Vertical Depth:** 3956 **Measured Depth:** 3956

Mineral Resource(s):

NONE

Is this a producing formation? N

ID: Formation 3 **Name:** LAMAR

Lithology(ies):

LIMESTONE

Elevation: -2838 **True Vertical Depth:** 5299 **Measured Depth:** 5299

Mineral Resource(s):

NONE

Is this a producing formation? N

ID: Formation 4 **Name:** BELL CANYON

Lithology(ies):

SANDSTONE

Elevation: -2870 **True Vertical Depth:** 5331 **Measured Depth:** 5331

Mineral Resource(s):

NATURAL GAS

OIL

Is this a producing formation? N

ID: Formation 5 **Name:** CHERRY CANYON

Lithology(ies):

SANDSTONE

Elevation: -3842 **True Vertical Depth:** 6303 **Measured Depth:** 6303

Mineral Resource(s):

NATURAL GAS

OIL

Is this a producing formation? N

ID: Formation 6 **Name:** BRUSHY CANYON

Lithology(ies):

SANDSTONE

Elevation: -5349 **True Vertical Depth:** 7810 **Measured Depth:** 7810

Operator Name: EOG RESOURCES INC

Well Name: RUBY 2 FED COM **Well Number:** 705H

Mineral Resource(s):

NATURAL GAS

OIL

Is this a producing formation? N

ID: Formation 7 **Name:** BONE SPRING LIME

Lithology(ies):

LIMESTONE

Elevation: -6953 **True Vertical Depth:** 9414 **Measured Depth:** 9414

Mineral Resource(s):

NONE

Is this a producing formation? N

ID: Formation 8 **Name:** BONE SPRING 1ST

Lithology(ies):

SANDSTONE

Elevation: -7986 **True Vertical Depth:** 10447 **Measured Depth:** 10447

Mineral Resource(s):

NATURAL GAS

OIL

Is this a producing formation? N

ID: Formation 9 **Name:** BONE SPRING 2ND

Lithology(ies):

SANDSTONE

Elevation: -8567 **True Vertical Depth:** 11028 **Measured Depth:** 11028

Mineral Resource(s):

NATURAL GAS

OIL

Is this a producing formation? N

Operator Name: EOG RESOURCES INC

Well Name: RUBY 2 FED COM **Well Number:** 705H

ID: Formation 10 **Name:** BONE SPRING 3RD

Lithology(ies):

SANDSTONE

Elevation: -9628 **True Vertical Depth:** 12089 **Measured Depth:** 12089

Mineral Resource(s):

NATURAL GAS

OIL

Is this a producing formation? N

ID: Formation 11 **Name:** WOLFCAMP

Lithology(ies):

SHALE

Elevation: -10068 **True Vertical Depth:** 12529 **Measured Depth:** 12529

Mineral Resource(s):

NATURAL GAS

OIL

Is this a producing formation? Y

Section 2 - Blowout Prevention

Pressure Rating (PSI): 5M **Rating Depth:** 12675

Equipment: The minimum blowout preventer equipment (BOPE) shown in Exhibit #1 will consist of a single ram, mud cross and double ram-type (10,000 psi WP) preventer and an annular preventer (5000-psi WP). Both units will be hydraulically operated and the ram-type will be equipped with blind rams on bottom and drill pipe rams on top. All BOPE will be tested in accordance with Onshore Oil and Gas order No. 2.
Requesting Variance? YES

Variance request: Variance is requested to use a co-flex line between the BOP and choke manifold (instead of using a 4" OD steel line). Variance is requested to wave the centralizer requirements for the 7-5/8" FJ casing in the 8-3/4" hole size. An expansion additive will be utilized, in the cement slurry, for the entire length of the 8-3/4" hole interval to maximize cement bond and zonal isolation. Variance is also requested to wave any centralizer requirements for the 5-1/2" FJ casing in the 6-3/4" hole size. An expansion additive will be utilized, in the cement slurry, for the entire length of the 6-3/4" hole interval to maximize cement bond and zonal isolation.
Testing Procedure: Before drilling out of the surface casing, the ram-type BOP and accessory equipment will be tested to 5000/ 250 psig and the annular preventer to 3500/ 250 psig. The surface casing will be tested to 1500 psi for 30 minutes. 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 3500/ 250 psig. The intermediate casing will be tested to 2000 psi for 30 minutes. 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 be installed prior to drilling out of the intermediate casing shoe.

Operator Name: EOG RESOURCES INC

Well Name: RUBY 2 FED COM **Well Number:** 705H

Choke Diagram Attachment:

ruby2fedcom705H 5 M Choke Manifold Diagram (3-21-14)_01-26-2017.pdf

BOP Diagram Attachment:

ruby2fedcom705H 5 M BOP Diagram (8-14-14)_01-26-2017.pdf

Section 3 - Casing

String Type: INTERMEDIATE **Other String Type:**

Hole Size: 8.75

Top setting depth MD: 3000 **Top setting depth TVD:** 3000

Top setting depth MSL: 295

Bottom setting depth MD: 11700 **Bottom setting depth TVD:** 11700

Bottom setting depth MSL: -8405

Calculated casing length MD: 8700

Casing Size: 7.625 **Other Size**

Grade: HCP-110 **Other Grade:**

Weight: 29.7

Joint Type: OTHER **Other Joint Type:** Flushmax III

Condition: NEW

Inspection Document:

Standard: API

Spec Document:

Tapered String?: N

Tapered String Spec:

Safety Factors

Collapse Design Safety Factor: 1.125 **Burst Design Safety Factor:** 1.25

Joint Tensile Design Safety Factor type: BUOYANT **Joint Tensile Design Safety Factor:** 1.6

Body Tensile Design Safety Factor type: BUOYANT **Body Tensile Design Safety Factor:** 1.6

Casing Design Assumptions and Worksheet(s):

Ruby 2 Fed Com 705H BLM Plan_01-26-2017.pdf

Operator Name: EOG RESOURCES INC

Well Name: RUBY 2 FED COM **Well Number:** 705H

String Type: INTERMEDIATE **Other String Type:**

Hole Size: 9.875

Top setting depth MD: 1000 **Top setting depth TVD:** 1000

Top setting depth MSL: 2295

Bottom setting depth MD: 3000 **Bottom setting depth TVD:** 3000

Bottom setting depth MSL: 295

Calculated casing length MD: 2000

Casing Size: 7.625 **Other Size**

Grade: OTHER **Other Grade:** P-110EC

Weight: 29.7

Joint Type: OTHER **Other Joint Type:** SLIJ II

Condition: NEW

Inspection Document:

Standard: API

Spec Document:

Tapered String?: N

Tapered String Spec:

Safety Factors

Collapse Design Safety Factor: 1.125 **Burst Design Safety Factor:** 1.25

Joint Tensile Design Safety Factor type: BUOYANT **Joint Tensile Design Safety Factor:** 1.6

Body Tensile Design Safety Factor type: BUOYANT **Body Tensile Design Safety Factor:** 1.6

Casing Design Assumptions and Worksheet(s):

Ruby 2 Fed Com 705H BLM Plan_01-26-2017.pdf

Operator Name: EOG RESOURCES INC

Well Name: RUBY 2 FED COM **Well Number:** 705H

String Type: SURFACE **Other String Type:**

Hole Size: 14.75

Top setting depth MD: 0 **Top setting depth TVD:** 0

Top setting depth MSL: 3295

Bottom setting depth MD: 860 **Bottom setting depth TVD:** 860

Bottom setting depth MSL: 2435

Calculated casing length MD: 860

Casing Size: 10.75 **Other Size**

Grade: J-55 **Other Grade:**

Weight: 40.5

Joint Type: STC **Other Joint Type:**

Condition: NEW

Inspection Document:

Standard: API

Spec Document:

Tapered String?: N

Tapered String Spec:

Safety Factors

Collapse Design Safety Factor: 1.125 **Burst Design Safety Factor:** 1.25

Joint Tensile Design Safety Factor type: BUOYANT **Joint Tensile Design Safety Factor:** 1.6

Body Tensile Design Safety Factor type: BUOYANT **Body Tensile Design Safety Factor:** 1.6

Casing Design Assumptions and Worksheet(s):

Ruby 2 Fed Com 705H BLM Plan_01-26-2017.pdf

Operator Name: EOG RESOURCES INC

Well Name: RUBY 2 FED COM **Well Number:** 705H

String Type: INTERMEDIATE **Other String Type:**

Hole Size: 9.875

Top setting depth MD: 0 **Top setting depth TVD:** 0

Top setting depth MSL: 3295

Bottom setting depth MD: 1000 **Bottom setting depth TVD:** 1000

Bottom setting depth MSL: 2295

Calculated casing length MD: 1000

Casing Size: 7.625 **Other Size**

Grade: HCP-110 **Other Grade:**

Weight: 29.7

Joint Type: LTC **Other Joint Type:** Flushmax III

Condition: NEW

Inspection Document:

Standard: API

Spec Document:

Tapered String?: N

Tapered String Spec:

Safety Factors

Collapse Design Safety Factor: 1.125 **Burst Design Safety Factor:** 1.25

Joint Tensile Design Safety Factor type: BUOYANT **Joint Tensile Design Safety Factor:** 1.6

Body Tensile Design Safety Factor type: BUOYANT **Body Tensile Design Safety Factor:** 1.6

Casing Design Assumptions and Worksheet(s):

Ruby 2 Fed Com 705H BLM Plan_01-26-2017.pdf

Operator Name: EOG RESOURCES INC

Well Name: RUBY 2 FED COM **Well Number:** 705H

String Type: PRODUCTION **Other String Type:**

Hole Size: 6.75

Top setting depth MD: 0 **Top setting depth TVD:** 0

Top setting depth MSL: 3295

Bottom setting depth MD: 11200 **Bottom setting depth TVD:** 11200

Bottom setting depth MSL: -7905

Calculated casing length MD: 11200

Casing Size: 5.5 **Other Size**

Grade: OTHER **Other Grade:** P-110EC

Weight: 20

Joint Type: OTHER **Other Joint Type:** DWC/C-IS MS

Condition: NEW

Inspection Document:

Standard: API

Spec Document:

Tapered String?: N

Tapered String Spec:

Safety Factors

Collapse Design Safety Factor: 1.125 **Burst Design Safety Factor:** 1.25

Joint Tensile Design Safety Factor type: BUOYANT **Joint Tensile Design Safety Factor:** 1.6

Body Tensile Design Safety Factor type: BUOYANT **Body Tensile Design Safety Factor:** 1.6

Casing Design Assumptions and Worksheet(s):

Ruby 2 Fed Com 705H BLM Plan_01-26-2017.pdf

Operator Name: EOG RESOURCES INC

Well Name: RUBY 2 FED COM **Well Number:** 705H

String Type: PRODUCTION **Other String Type:**

Hole Size: 6.75

Top setting depth MD: 11200 **Top setting depth TVD:** 11200

Top setting depth MSL: -7905

Bottom setting depth MD: 22759 **Bottom setting depth TVD:** 12743

Bottom setting depth MSL: -9448

Calculated casing length MD: 11559

Casing Size: 5.5 **Other Size**

Grade: OTHER **Other Grade:** P-110EC

Weight: 20

Joint Type: OTHER **Other Joint Type:** VAM SFC

Condition: NEW

Inspection Document:

Standard: API

Spec Document:

Tapered String?: N

Tapered String Spec:

Safety Factors

Collapse Design Safety Factor: 1.125 **Burst Design Safety Factor:** 1.25

Joint Tensile Design Safety Factor type: BUOYANT **Joint Tensile Design Safety Factor:** 1.6

Body Tensile Design Safety Factor type: BUOYANT **Body Tensile Design Safety Factor:** 1.6

Casing Design Assumptions and Worksheet(s):

Ruby 2 Fed Com 705H BLM Plan_01-26-2017.pdf

Section 4 - Cement

Casing String Type: INTERMEDIATE

Stage Tool Depth:

Lead

Top MD of Segment: 0 **Bottom MD Segment:** 0 **Cement Type:** 0

Additives: 0 **Quantity (sks):** 0 **Yield (cu.ff./sk):** 0

Density: 0 **Volume (cu.ft.):** 0 **Percent Excess:**

Stage Tool Depth:

Lead

Top MD of Segment: 0 **Bottom MD Segment:** 0 **Cement Type:** 0

Additives: 0 **Quantity (sks):** 0 **Yield (cu.ff./sk):** 0

Density: 0 **Volume (cu.ft.):** 0 **Percent Excess:**

Casing String Type: SURFACE

Stage Tool Depth:

Lead

Top MD of Segment: 0 **Bottom MD Segment:** 860 **Cement Type:** Class C

Additives: Class C + 4.0% Bentonite + 0.6% CD-32 + 0.5% CaCl2 + 0.25 lb/sk Cello-Flake (TOC @ Surface) **Quantity (sks):** 325 **Yield (cu.ff./sk):** 1.73

Density: 13.5 **Volume (cu.ft.):** 562 **Percent Excess:** 25

Tail

Bottom MD Segment: 860 **Cement Type:** Class C

Top MD of Segment: 860 **Quantity (sks):** 200 **Yield (cu.ff./sk):** 1.34

Additives: Class C + 0.6% FL-62 + 0.25 lb/sk Cello-Flake + 0.2% Sodium Metasilicate **Volume (cu.ft.):** 268 **Percent Excess:** 25

Density: 14.8

Casing String Type: INTERMEDIATE

Stage Tool Depth:

Lead

Top MD of Segment: 0 **Bottom MD Segment:** 11700 **Cement Type:** Class C

Additives: Class C + 5% Gypsum + 3% CaCl2 pumped via Bradenhead (TOC @ surface) **Quantity (sks):** 2250 **Yield (cu.ff./sk):** 1.38

Density: 14.8 **Volume (cu.ft.):** 3105 **Percent Excess:** 25

Tail

Bottom MD Segment: 11700 **Cement Type:** Class H

Top MD of Segment: 11700 **Quantity (sks):** 550 **Yield (cu.ff./sk):** 1.2

Additives: 50:50 Class H:Poz + 0.25% CPT20A + 0.40% CPT49 + 0.20% **Volume (cu.ft.):** 660 **Percent Excess:** 25

CPT35 + 0.80% CPT16A + 0.25% CPT503P pumped conventionally
Density: 14.4

Percent Excess: 25

Casing String Type: PRODUCTION

Stage Tool Depth:

Lead

Top MD of Segment: 10600

Bottom MD Segment: 20185

Cement Type: Class H

Additives: Class H + 0.1% C-20 + 0.05% CSA-1000 + 0.20% C-49 + 0.40% C-17 (TOC @ 10,600')
Density: 14.1

Quantity (sks): 725

Yield (cu.ff./sk): 1.26

Volume (cu.ft.): 913

Percent Excess: 25

Stage Tool Depth:

Lead

Top MD of Segment: 11200

Bottom MD Segment: 22759

Cement Type: Class H

Additives: Class H + 0.1% C-20 + 0.05% CSA-1000 + 0.20% C-49 + 0.40% C-17 (TOC @ 11200')
Density: 14.1

Quantity (sks): 1000

Yield (cu.ff./sk): 1.26

Volume (cu.ft.): 1260

Percent Excess: 25

Section 5 - Circulating Medium

Mud System Type: Closed

Will an air or gas system be Used? NO

Description of the equipment for the circulating system in accordance with Onshore Order #2:

Diagram of the equipment for the circulating system in accordance with Onshore Order #2:

Describe what will be on location to control well or mitigate other conditions: (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) H2S monitoring and detection equipment will be utilized from surface casing point to TD.
Describe the mud monitoring system utilized: An electronic pit volume totalizer (PVT) will be utilized on the circulating system to monitor pit volume, flow rate, pump pressure and stroke rate.

Circulating Medium Table

Operator Name: EOG RESOURCES INC

Well Name: RUBY 2 FED COM **Well Number:** 705H

Top Depth: 860 **Bottom Depth:** 11700

Mud Type: SALT SATURATED

Min Weight (lbs./gal.): 8.8 **Max Weight (lbs./gal.):** 10

Density (lbs/cu.ft.): **Gel Strength (lbs/100 sq.ft.):**

PH: **Viscosity (CP):**

Filtration (cc): **Salinity (ppm):**

Additional Characteristics:

Top Depth: 11700 **Bottom Depth:** 22759

Mud Type: OIL-BASED MUD

Min Weight (lbs./gal.): 10 **Max Weight (lbs./gal.):** 11.5

Density (lbs/cu.ft.): **Gel Strength (lbs/100 sq.ft.):**

PH: **Viscosity (CP):**

Filtration (cc): **Salinity (ppm):**

Additional Characteristics:

Top Depth: 0 **Bottom Depth:** 860

Mud Type: WATER-BASED MUD

Min Weight (lbs./gal.): 8.6 **Max Weight (lbs./gal.):** 8.8

Density (lbs/cu.ft.): **Gel Strength (lbs/100 sq.ft.):**

PH: **Viscosity (CP):**

Filtration (cc): **Salinity (ppm):**

Additional Characteristics:

Section 6 - Test, Logging, Coring

List of production tests including testing procedures, equipment and safety measures:

Open-hole logs are not planned for this well.

List of open and cased hole logs run in the well:

DS

Coring operation description for the well:

None

Operator Name: EOG RESOURCES INC

Well Name: RUBY 2 FED COM **Well Number:** 705H

Section 7 - Pressure

Anticipated Bottom Hole Pressure: 7579 **Anticipated Surface Pressure:** 4775.54

Anticipated Bottom Hole Temperature(F): 181

Anticipated abnormal proessures, temperatures, or potential geologic hazards? NO

Describe:

Contingency Plans geoharzards description:

Contingency Plans geohazards attachment:

Hydrogen Sulfide drilling operations plan required? YES

Hydrogen sulfide drilling operations plan:

Ruby 2 Fed Com 705H H2S Plan Summary_01-26-2017.pdf

Section 8 - Other Information

Proposed horizontal/directional/multi-lateral plan submission:

Ruby 2 Fed Com 705H Wall Plot_01-26-2017.pdf
Ruby 2 Fed Com 705H Planning Report_01-26-2017.pdf

Other proposed operations facets description:

Other proposed operations facets attachment:

Ruby 2 Fed Com 705H rig layout_01-26-2017.pdf
ruby2fedcom705H 5.500in 20.00 VST P110EC DWC_C-IS MS Spec Sheet_01-26-2017.pdf
ruby2fedcom705H 5.500in 20.00 VST P110EC VAM SFC Spec Sheet_01-26-2017.pdf
ruby2fedcom705H 7.625in 29.7 P110EC VAM SLIJ-II_01-26-2017.pdf
ruby2fedcom705H Co-Flex Hose Certification_01-26-2017.PDF
ruby2fedcom705H 7.625in 29.70 P-110 FlushMax III Spec Sheet_01-26-2017.pdf
ruby2fedcom705H Co-Flex Hose Test Chart_01-26-2017.pdf

Other Variance attachment:

Ruby 2 Fed Com 705H BLM Plan_01-26-2017.pdf

SUPO

Exhibit 1
EOG Resources
5M BOPE

Rig Floor

1. 13 5/8" Rotating Head
2. NOV 13 5/8" 5,000 PSI WP GK Annular Preventor
3. 13 5/8" Cameron Type "U" 10,000 PSI WP Ram Preventors
4. 2 1/16" - 10,000 PSI WP Check Valve
5. 10,000 PSI WP - 1502 Union to kill line
6. 2 1/16" - 10,000 PSI WP Manual Valves
7. 13 5/8" 3,000 PSI WP x 13 5/8" 5,000 PSI WP Spacer Spool
8. 4 1/16" 10,000 PSI WP HCR Valve
9. 4 1/16" 10,000 PSI WP Manual Valve
10. 6" OD x 3" ID 10,000 PSI WP Steel Armoured Flex Choke Line
11. DSA - 13 5/8" 10,000 PSI WP x 13 5/8" 5,000 PSI WP
12. Mud Cross - 13 5/8" 10,000 PSI WP
13. Blind Rams
14. Pipe Rams
15. 13 5/8" Cameron Type "U" 10,000 PSI WP Pipe Rams
16. Flow Line
17. 2" Fill Line

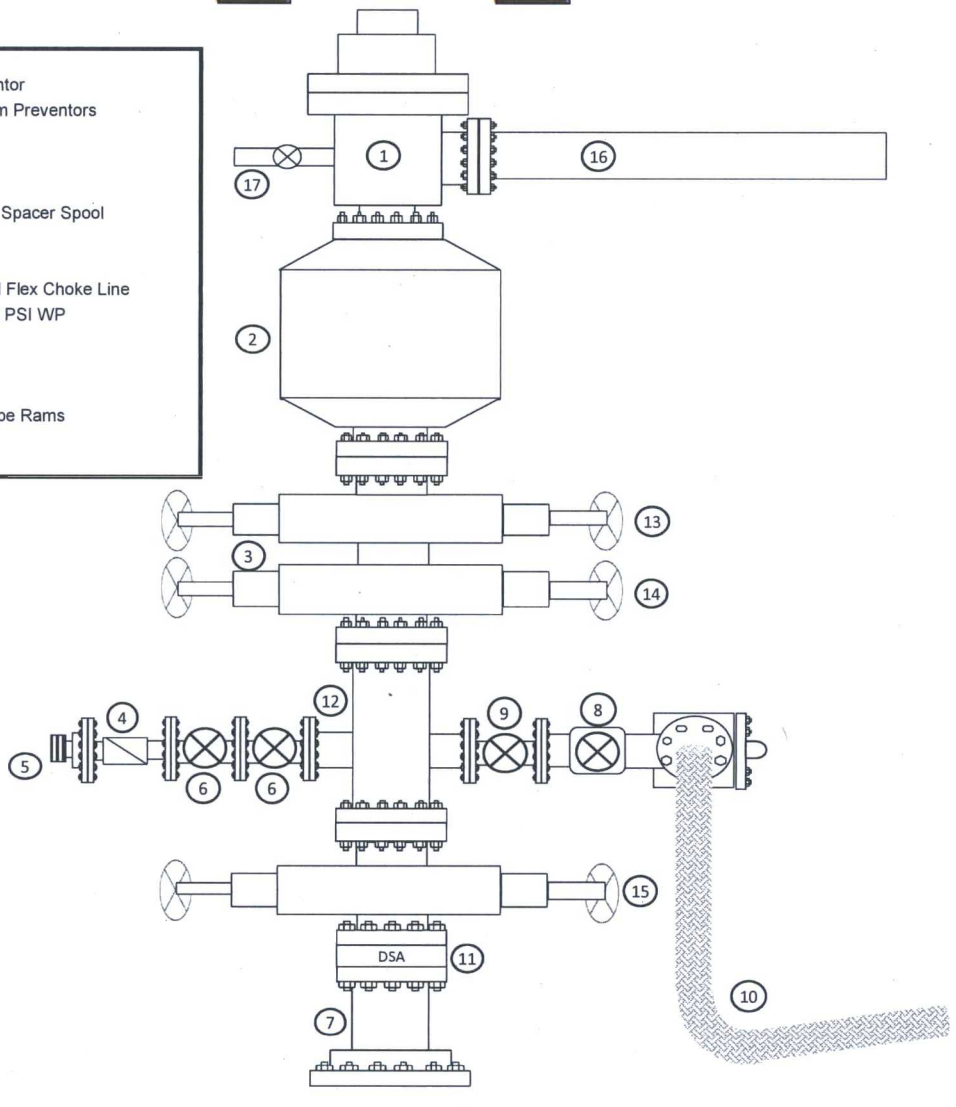
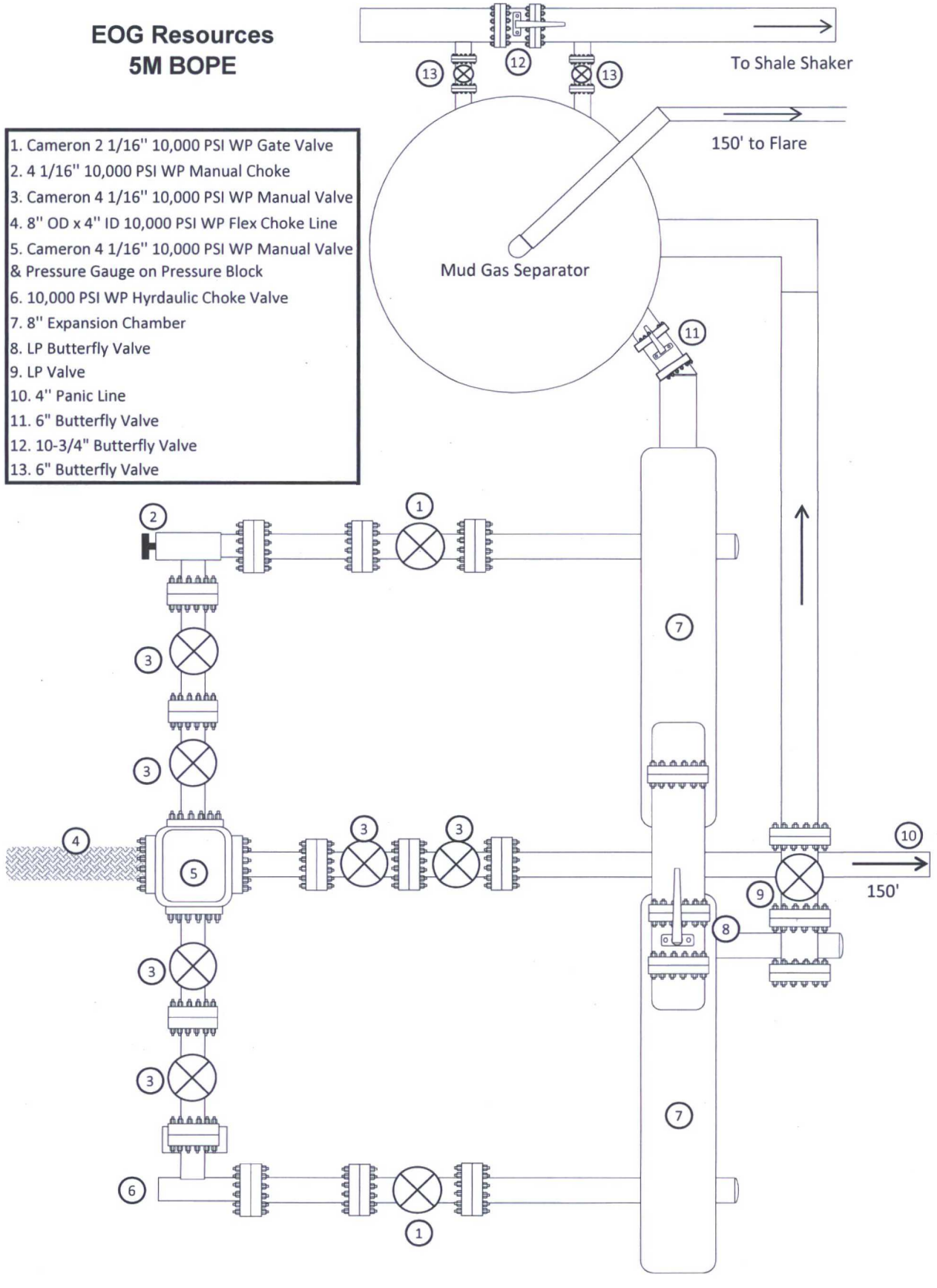


Exhibit 1a

EOG Resources
5M BOPE



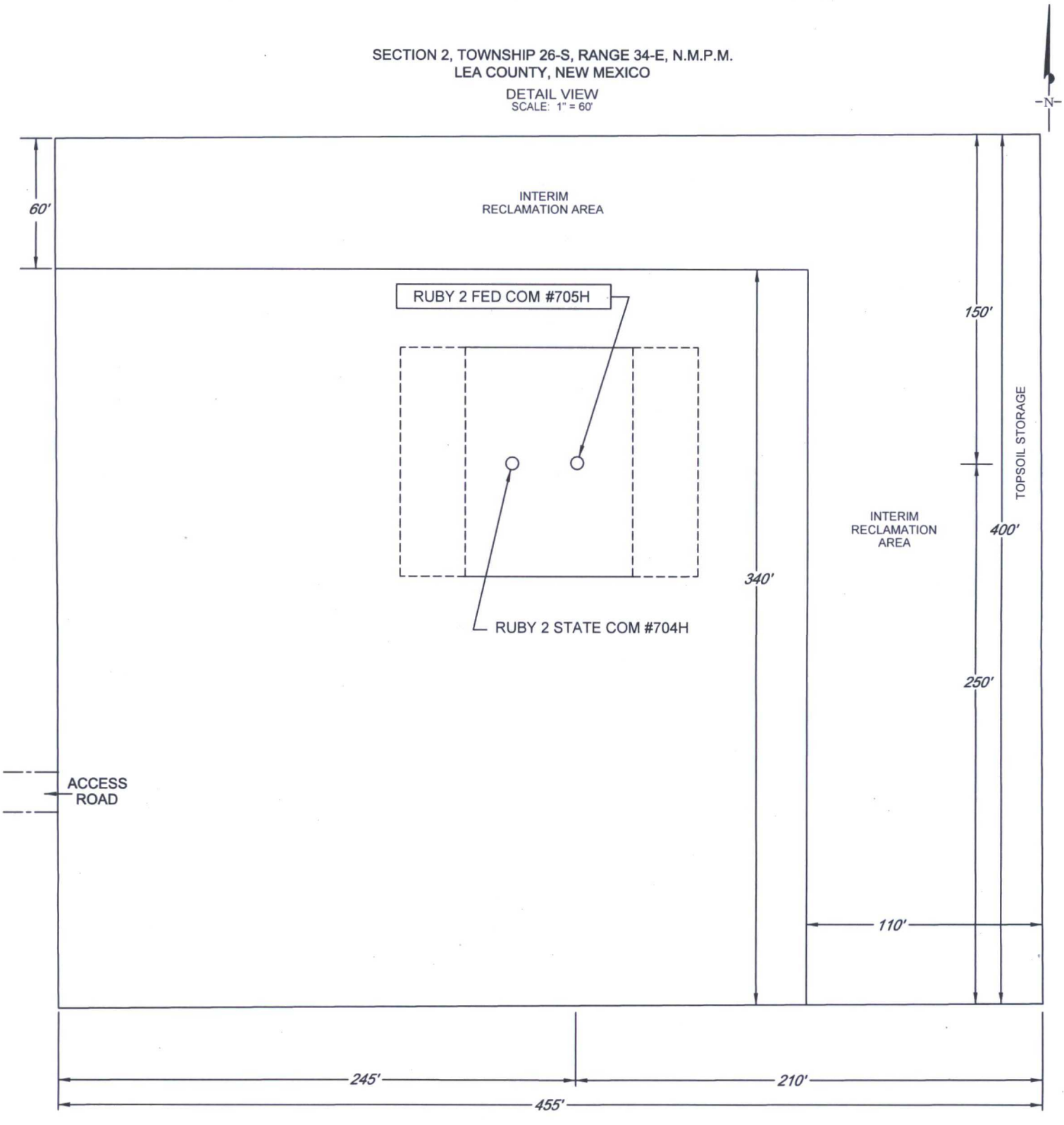
EOG 5M Choke Manifold Diagram (rev. 3/21/14)

EXHIBIT 2C

RECLAMATION AND FACILITY DIAGRAM - PRODUCTION FACILITIES DIAGRAM

SECTION 2, TOWNSHIP 26-S, RANGE 34-E, N.M.P.M.
LEA COUNTY, NEW MEXICO

DETAIL VIEW
SCALE: 1" = 60'



LEASE NAME & WELL NO.: RUBY 2 FED COM #705H

#705H LATITUDE N 32.0789720 #705H LONGITUDE W 103.4417480

Y:\SURVEY\EOG_MIDLAND\RUBY_2_FED_COM\FINAL_PRODUCTS\LO_RUBY2FEDCOM_705H_REV1.DWG 1/17/2017 9:31:33 AM tstewart

Exhibit 4

EOG Resources
Ruby 2 Fed Com #705H

Well Site Diagram