

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Carlsbad Field

FORM APPROVED
OMB NO. 1004-0137
Expires: January 31, 2018**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 page 2**

1. Type of Well ☒ Oil Well ☐ Gas Well ☐ Other		5. Lease Serial No. NMNM26079
2. Name of Operator EOG RESOURCES INCORPORATED		6. If Indian, Allottee or Tribe Name
3a. Address MIDLAND, TX 79702		7. If Unit or CA/Agreement, Name and/or No.
3b. Phone No. (include area code) Ph: 432-848-9133		8. Well Name and No. STREETCAR 15 FED 706H
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 15 T25S R33E SWSW 250FSL 560FWL		9. API Well No. 30-025-42877-00-X1
		10. Field and Pool or Exploratory Area RED HILLS-BONE SPRING, NORTH
		11. County or Parish, State LEA COUNTY, NM

12. CHECK THE 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	☐ Hydraulic Fracturing	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☒ Other
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	Change to Original A
	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal	PD

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 must 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 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.

EOG respectfully requests an amendment to our approved APD for this well to reflect changes in the BHL and the casing design.

Change BHL to : 100' FNL 415' FWL NWNW-15-25S-33E
Change casing design in accordance with the attached drill plan

Attached please find the following supporting documentation: Amended C-102 Plat, Revised Permit Information, Revised Wellbore Diagram, Revised Directional Plot, and Revised Directional Plan.

14. I hereby certify that the foregoing is true and correct. Electronic Submission #446897 verified by the BLM Well Information System For EOG RESOURCES INCORPORATED, sent to the Hobbs Committed to AFMSS for processing by PRISCILLA PEREZ on 12/10/2018 (19PP0581SE)	
Name (Printed/Typed) BEN HOCHER	Title ENGINEERING ASSOCIATE
Signature (Electronic Submission)	Date 12/07/2018

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By <u>DYLAN ROSSMANGO</u>	Title <u>PETROLEUM ENGINEER</u>	Date <u>01/22/2019</u>
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 Hobbs

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.

(Instructions on page 2)

**** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ****

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone: (575) 748-1283 Fax: (575) 748-9720
District III
1000 Rio Brazos Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

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 August 1, 2011
Submit one copy to appropriate
District Office

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-025-42877	² Pool Code 98180	³ Pool Name WC-025 G-09 S253309P; Uppr Wolfcamp
⁴ Property Code 315310	⁵ Property Name STREETCAR 15 FED	
⁷ OGRID No. 7377	⁸ Operator Name EOG RESOURCES, INC.	⁶ Well Number #706H
		⁹ Elevation 3370'

¹⁰Surface Location

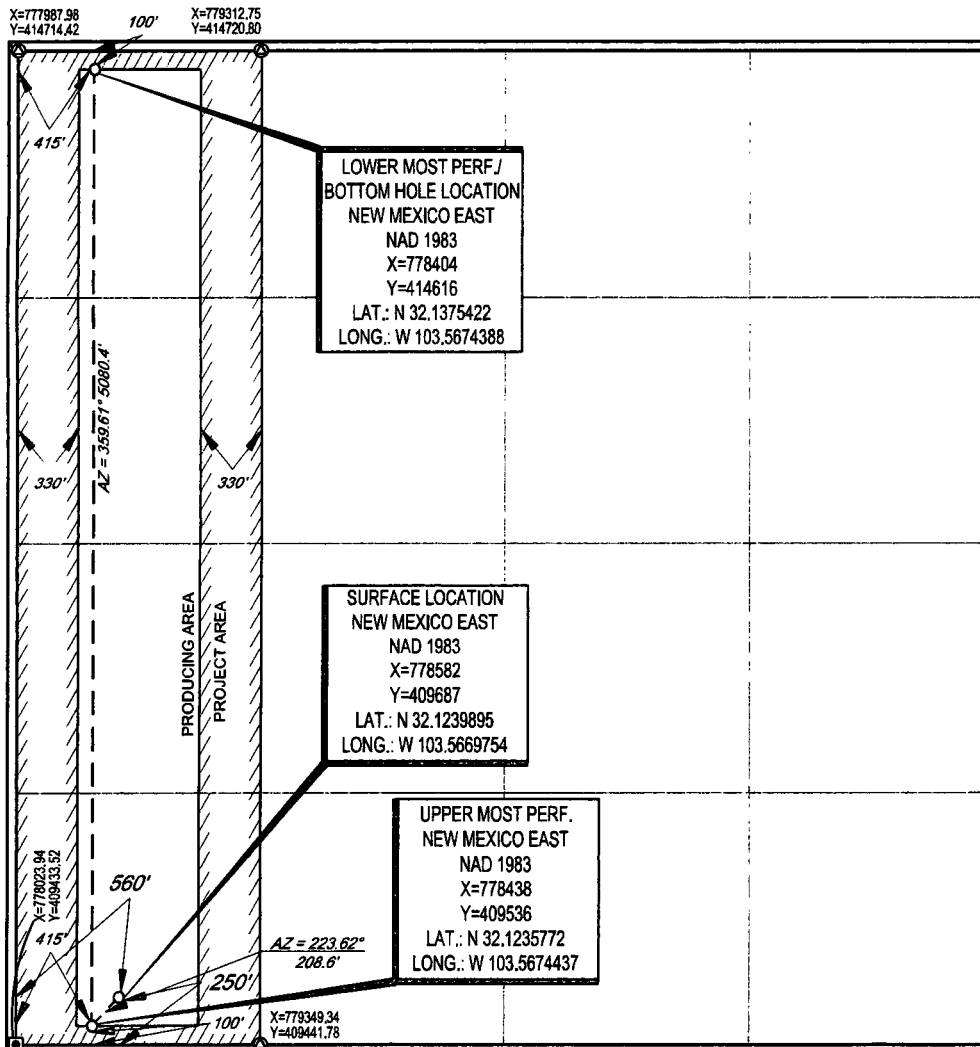
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
M	15	25-S	33-E	-	250'	SOUTH	560'	WEST	LEA

¹¹Bottom 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	15	25-S	33-E	-	100'	NORTH	415'	WEST	LEA

¹² Dedicated Acres 160	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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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.



¹⁷OPERATOR 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 released 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.

Sarah Mitchell 12/7/18

Signature

Date

Sarah Mitchell

Printed Name

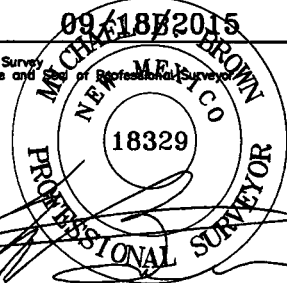
sarah_mitchell@eogresources.com

E-mail Address

¹⁸SURVEYOR 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 to the best of my belief.

Date of Survey
Signature and Seal of Professional Surveyor



Certificate Number



Rossmango, Dylan <drossmango@blm.gov>

[EXTERNAL] Fwd: Permit Priorities

Patrick Padilla <Patrick_Padilla@eogresources.com>
 To: "drossmango@blm.gov" <drossmango@blm.gov>

Wed, Dec 19, 2018 at 11:51 AM

Thank you for checking on these. Nice to meet you.

Patrick Padilla
 EOG Resources
 432-208-5172

Begin forwarded message:

From: Ben Hoher <Ben_Hoher@eogresources.com>
Date: December 19, 2018 at 9:59:32 AM CST
To: Patrick Padilla <Patrick_Padilla@eogresources.com>
Subject: Permit Priorities

1/23/19 Earliest Spud date

	Cat	CoAs	Mailed	Well Header
☒ Antietam 9 Fed Com #713H			X	X
☒ Antietam 9 Fed Com #714H	X	X	X	X
☒ Antietam 9 Fed Com #715H	N/A	X	X	N/A
☒ Peachtree 24 Fed Com #701H	X	X	X	X
☒ Peachtree 24 Fed Com #704H	X	X	X	X
☒ Javelina 30 Fed #701H	X	X	X	X
☒ Javelina 30 Fed #702H	X	X	X	X
☒ Streetcar 15 Fed #706H	X	X		

These are only the ones we have submitted. If you think the list of stuff coming down the line soon will be helpful as well, let me know.

Thank you,

Ben Hoher

Engineering Assoc.

EOG Resources, Inc | Midland, TX

Office: 1 (432) 686-3623

Mobile: 1 (432) 231-9548

Intent ☒ As Drilled ☐

API # 30-025-42860			
Operator Name: EOG Resources, Inc.		Property Name: Streetcar 15 Fed	Well Number 706H

Kick Off Point (KOP)

UL M	Section 15	Township 25S	Range 33E	Lot	Feet 49	From N/S S	Feet 416	From E/W W	County Lea
Latitude 32.0734394					Longitude -103.5674456			NAD 83	

First Take Point (FTP)

UL M	Section 15	Township 25S	Range 33E	Lot	Feet 100	From N/S S	Feet 415	From E/W W	County Lea
Latitude N 32.1235772					Longitude W -103.5674437			NAD 83	

Last Take Point (LTP)

UL D	Section 15	Township 25S	Range 33E	Lot	Feet 100	From N/S S N	Feet 415	From E/W W	County Lea
Latitude N 32.1235772					Longitude W -103.5674437			NAD 83	

N 32.1375422 W -103.5674388

Is this well the defining well for the Horizontal Spacing Unit? ☒ Yes

Is this well an infill well? ☐ No

If infill is yes please provide API if available, Operator Name and well number for Defining well for Horizontal Spacing Unit.

API #			
Operator Name:		Property Name:	Well Number

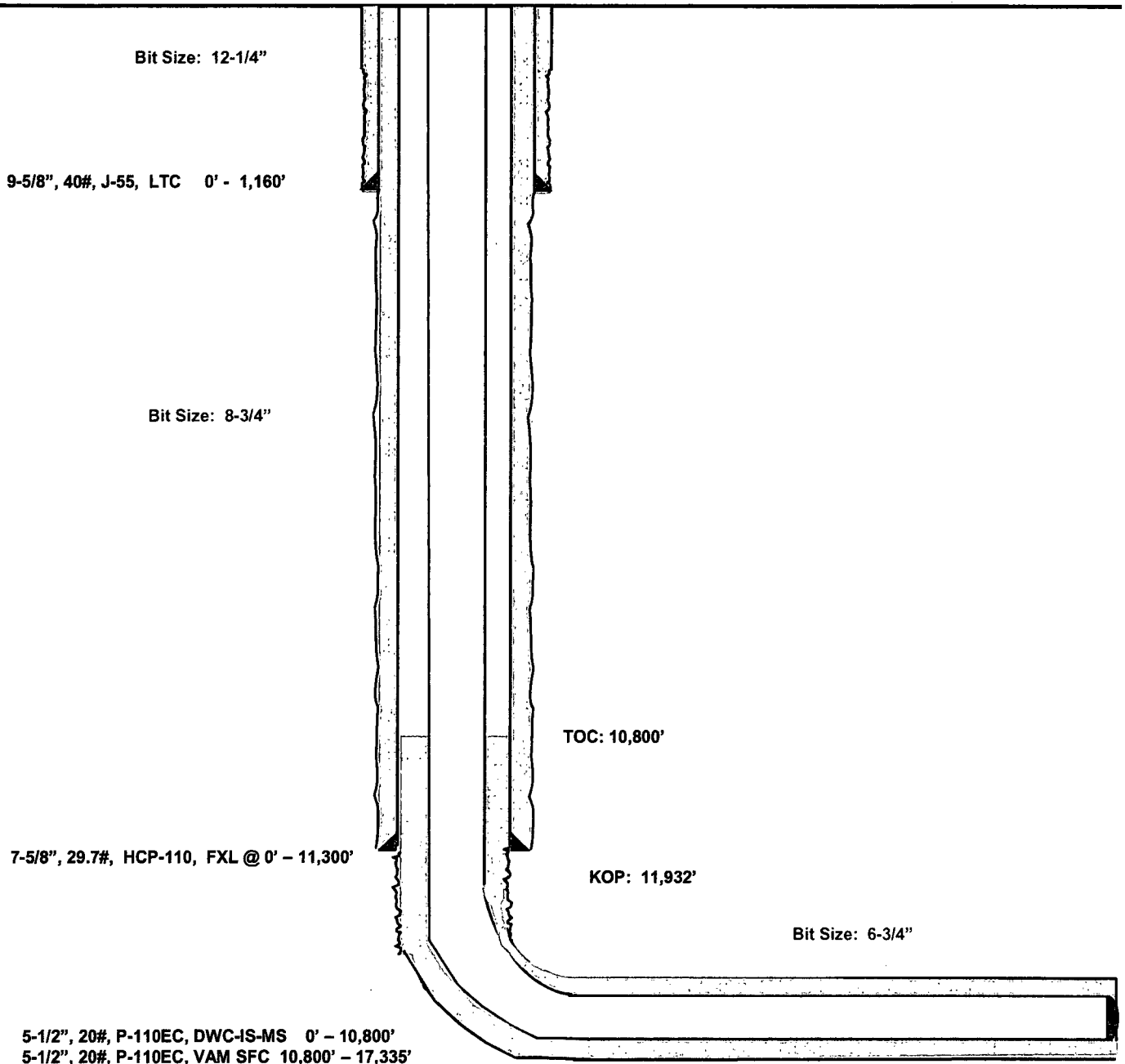
KZ 06/29/2018

**Streetcar 15 Fed #706H
Lea County, New Mexico**

**250' FSL
560' FWL
Section 15
T-25-S, R-33-E**

**Proposed Wellbore
Revised 12/4/18
API: 30-025-42877**

**KB: 3,395'
GL: 3,370'**



**Lateral: 17,335' MD, 12,406' TVD
Upper Most Perf:
100' FSL & 415' FWL Sec. 15
Lower Most Perf:
100' FNL & 415' FWL Sec. 15
BH Location: 100' FNL & 415' FWL
Section 15
T-25-S, R-33-E**

Revised Permit Information 1/22/19:

Well Name: Streetcar 15 Fed No. 706H

Location:

SL: 250' FSL & 560' FWL, Section 15, T-25-S, R-33-E, Lea Co., N.M.

BHL: 100' FNL & 415' FWL, Section 15, T-25-S, R-33-E, Lea Co., N.M.

Casing Program:

Hole Size	Interval	Csg OD	Weight	Grade	Conn	DF _{min} Collapse	DF _{min} Burst	DF _{min} Tension
12.25"	0 – 1,160'	9.625"	40#	J55	STC	1.125	1.25	1.60
8.75"	0 – 11,300'	7.625"	29.7#	HCP110	FXL	1.125	1.25	1.60
6.75"	0 – 10,800'	5.5"	20#	P110EC	DWC CIS MS	1.125	1.25	1.60
6.75"	10,800'-17,335'	5.5"	20#	P110EC	VAM SFC	1.125	1.25	1.60

Variance is requested for annular clearance of the 5-1/2" x 7-5/8" to the top of cement.

Cement Program:

Depth	No. Sacks	Wt. lb/gal	Yld Ft ³ /ft	Slurry Description
1,160'	697	13.5	1.74	Lead: Class 'C' + 4.00% Bentonite + 2.00% CaCl ₂ (TOC @ Surface)
	333	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)
11,300'	375	10.8	3.67	Lead: Class C + 0.40% D013 + 0.20% D046 + 0.10% D065 + 0.20% D167 (TOC @ Surface)
	400	14.8	2.38	Tail: Class H + 94.0 pps D909 + 0.25% D065 + 0.30% D167 + 0.02% D208 + 0.15% D800
17,335'	950	14.8	1.31	Class H + 0.1% C-20 + 0.05% CSA-1000 + 0.20% C-49 + 0.40% C-17 (TOC @ 10,800')

Mud Program:

Depth	Type	Weight (ppg)	Viscosity	Water Loss
0 – 1,160'	Fresh - Gel	8.6-8.8	28-34	N/c
1,160' – 11,300'	Oil Base	8.7-9.4	58-68	N/c - 6
11,300' – 17,335' Lateral	Oil Base	10.0-14.0	58-68	3 - 6



Lea County, NM (NAD 83 NME)

Streetcar 15 Fed #706H

Plan #0.2

PROJECT DETAILS: Lea County, NM (NAD 83 NME)

Geodetic System: US State Plane 1983
Datum: North American Datum 1983
Ellipsoid: GRS 1980
Zone: New Mexico Eastern Zone
System Datum: Mean Sea Level

WELL DETAILS: #706H

KB = 25 @ 3395.8usft 3370.0
Northing 409667.00 Easting 778562.00 Latitude 32° 7' 26.361 N Longitude 103° 34' 1.113 W

SECTION DETAILS

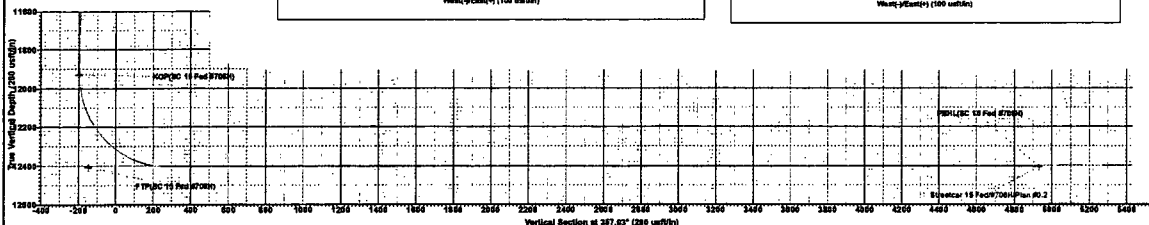
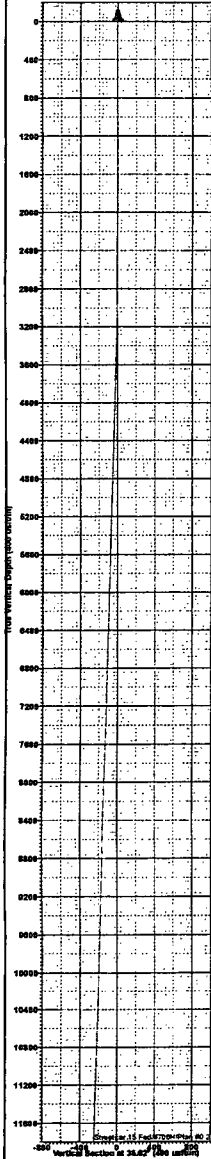
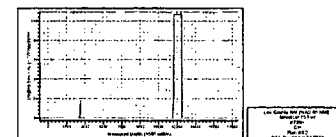
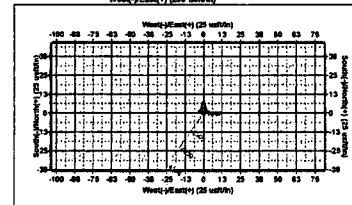
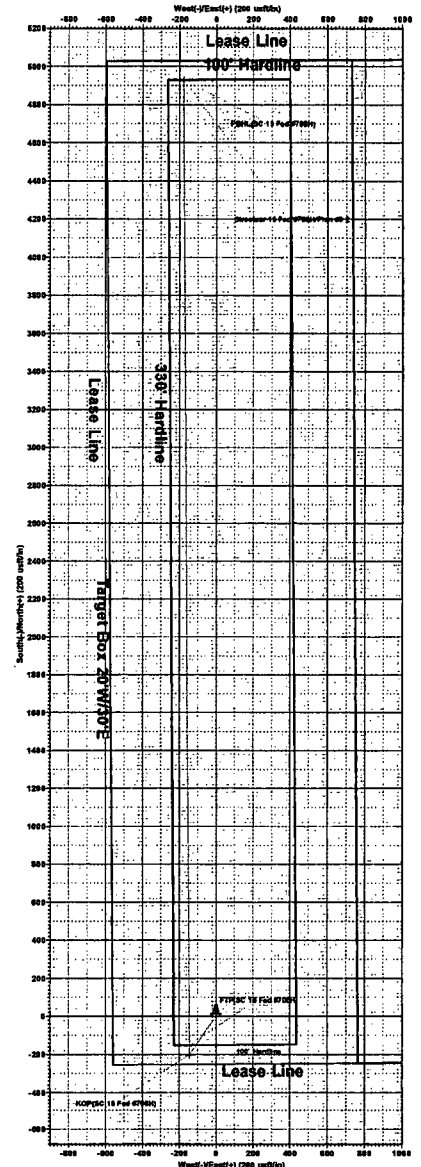
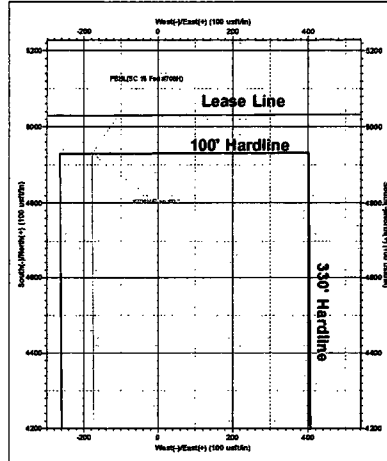
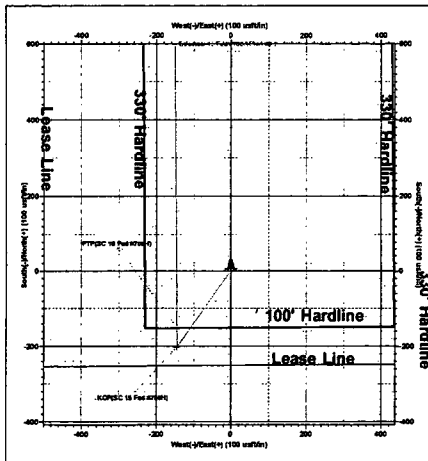
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	Vsect	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	3000.0	0.00	0.00	3000.0	0.0	0.0	0.00	0.00	0.0	
3	3080.0	1.80	215.62	3080.0	-0.9	-0.7	2.00	215.62	-0.9	
4	11851.9	1.80	215.62	11848.5	-200.1	-143.3	0.00	0.00	-194.8	
5	11931.9	0.00	0.00	11928.5	-201.0	-144.0	2.00	180.00	-195.7	KOP(SC 15 Fed #706H)
6	12681.9	90.00	359.62	12408.0	276.5	-147.2	12.00	359.62	281.6	
7	17334.6	90.00	359.62	12408.0	4929.0	-178.0	0.00	0.00	4932.2	PBHL(SC 15 Fed #706H)

CASING DETAILS

No casing data is available

WELLBORE TARGET DETAILS (MAP CO-ORDINATES)

Name	TVD	+N/-S	+E/-W	Northing	Easting
KOP(SC 15 Fed #706H)	11928.5	-201.0	-144.0	409486.00	778438.00
PBHL(SC 15 Fed #706H)	12408.0	4929.0	-178.0	414916.00	778494.00
FTP(SC 15 Fed #706H)	12408.0	-151.0	-144.0	409536.00	778438.00





EOG Resources - Midland

Lea County, NM (NAD 83 NME)

Streetcar 15 Fed

#706H

OH

Plan: Plan #0.2

Standard Planning Report

04 December, 2018

Database:	EDM 5000.14	Local Co-ordinate Reference:	Well #706H
Company:	EOG Resources - Midland	TVD Reference:	KB = 25 @ 3395.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	KB = 25 @ 3395.0usft
Site:	Streetcar 15 Fed	North Reference:	Grid
Well:	#706H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.2		

Project	Lea County, NM (NAD 83 NME)		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	New Mexico Eastern Zone		

Site	Streetcar 15 Fed		
Site Position:	Northing:	409,714.00 usft	Latitude: 32° 7' 26.337 N
From: Map	Easting:	782,680.00 usft	Longitude: 103° 33' 13.460 W
Position Uncertainty:	0.0 usft	Slot Radius: 13-3/16 "	Grid Convergence: 0.41 °

Well	#706H		
Well Position	+N/-S	-27.0 usft	Northing: 409,687.00 usft
	+E/-W	-4,098.0 usft	Easting: 778,582.00 usft
Position Uncertainty	0.0 usft	Wellhead Elevation:	Ground Level: 3,370.0 usft

Wellbore	OH		
Magnetics	Model Name	Sample Date	Declination
			(°)
	IGRF2015	8/15/2018	6.82
			Dip Angle (°)
			59.96
			Field Strength (nT)
			47,760,239,69317

Design	Plan #0.2		
Audit Notes:			
Version:	Phase:	PLAN	Tie On Depth: 0.0
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)
	0.0	0.0	0.0
			Direction (°)
			357.93

Plan Survey Tool Program	Date 12/4/2018		
Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name
1	0.0	17,334.6 Plan #0.2 (OH)	MWD
			OWSG MWD - Standard

Plan Sections										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
3,000.0	0.00	0.00	3,000.0	0.0	0.0	0.00	0.00	0.00	0.00	
3,080.0	1.60	215.62	3,080.0	-0.9	-0.7	2.00	2.00	0.00	215.62	
11,851.9	1.60	215.62	11,848.5	-200.1	-143.3	0.00	0.00	0.00	0.00	
11,931.9	0.00	0.00	11,928.5	-201.0	-144.0	2.00	-2.00	0.00	180.00	KOP(SC 15 Fed #706
12,681.9	90.00	359.62	12,406.0	276.5	-147.2	12.00	12.00	-0.05	359.62	
17,334.6	90.00	359.62	12,406.0	4,929.0	-178.0	0.00	0.00	0.00	0.00	PBHL(SC 15 Fed #70

Database: EDM 5000.14
Company: EOG Resources - Midland
Project: Lea County, NM (NAD 83 NME)
Site: Streetcar 15 Fed
Well: #706H
Wellbore: OH
Design: Plan #0.2

Local Co-ordinate Reference: Well #706H
TVD Reference: KB = 25 @ 3395.0usft
MD Reference: KB = 25 @ 3395.0usft
North Reference: Grid
Survey Calculation Method: Minimum Curvature

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	0.00
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	0.00
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	0.00
500.0	0.00	0.00	500.0	0.0	0.0	0.0	0.00	0.00	0.00
600.0	0.00	0.00	600.0	0.0	0.0	0.0	0.00	0.00	0.00
700.0	0.00	0.00	700.0	0.0	0.0	0.0	0.00	0.00	0.00
800.0	0.00	0.00	800.0	0.0	0.0	0.0	0.00	0.00	0.00
900.0	0.00	0.00	900.0	0.0	0.0	0.0	0.00	0.00	0.00
1,000.0	0.00	0.00	1,000.0	0.0	0.0	0.0	0.00	0.00	0.00
1,100.0	0.00	0.00	1,100.0	0.0	0.0	0.0	0.00	0.00	0.00
1,200.0	0.00	0.00	1,200.0	0.0	0.0	0.0	0.00	0.00	0.00
1,300.0	0.00	0.00	1,300.0	0.0	0.0	0.0	0.00	0.00	0.00
1,400.0	0.00	0.00	1,400.0	0.0	0.0	0.0	0.00	0.00	0.00
1,500.0	0.00	0.00	1,500.0	0.0	0.0	0.0	0.00	0.00	0.00
1,600.0	0.00	0.00	1,600.0	0.0	0.0	0.0	0.00	0.00	0.00
1,700.0	0.00	0.00	1,700.0	0.0	0.0	0.0	0.00	0.00	0.00
1,800.0	0.00	0.00	1,800.0	0.0	0.0	0.0	0.00	0.00	0.00
1,900.0	0.00	0.00	1,900.0	0.0	0.0	0.0	0.00	0.00	0.00
2,000.0	0.00	0.00	2,000.0	0.0	0.0	0.0	0.00	0.00	0.00
2,100.0	0.00	0.00	2,100.0	0.0	0.0	0.0	0.00	0.00	0.00
2,200.0	0.00	0.00	2,200.0	0.0	0.0	0.0	0.00	0.00	0.00
2,300.0	0.00	0.00	2,300.0	0.0	0.0	0.0	0.00	0.00	0.00
2,400.0	0.00	0.00	2,400.0	0.0	0.0	0.0	0.00	0.00	0.00
2,500.0	0.00	0.00	2,500.0	0.0	0.0	0.0	0.00	0.00	0.00
2,600.0	0.00	0.00	2,600.0	0.0	0.0	0.0	0.00	0.00	0.00
2,700.0	0.00	0.00	2,700.0	0.0	0.0	0.0	0.00	0.00	0.00
2,800.0	0.00	0.00	2,800.0	0.0	0.0	0.0	0.00	0.00	0.00
2,900.0	0.00	0.00	2,900.0	0.0	0.0	0.0	0.00	0.00	0.00
3,000.0	0.00	0.00	3,000.0	0.0	0.0	0.0	0.00	0.00	0.00
3,080.0	1.60	215.62	3,080.0	-0.9	-0.7	-0.9	2.00	2.00	0.00
3,100.0	1.60	215.62	3,100.0	-1.4	-1.0	-1.3	0.00	0.00	0.00
3,200.0	1.60	215.62	3,199.9	-3.6	-2.6	-3.5	0.00	0.00	0.00
3,300.0	1.60	215.62	3,299.9	-5.9	-4.2	-5.7	0.00	0.00	0.00
3,400.0	1.60	215.62	3,399.9	-8.2	-5.9	-8.0	0.00	0.00	0.00
3,500.0	1.60	215.62	3,499.8	-10.4	-7.5	-10.2	0.00	0.00	0.00
3,600.0	1.60	215.62	3,599.8	-12.7	-9.1	-12.4	0.00	0.00	0.00
3,700.0	1.60	215.62	3,699.7	-15.0	-10.7	-14.6	0.00	0.00	0.00
3,800.0	1.60	215.62	3,799.7	-17.3	-12.4	-16.8	0.00	0.00	0.00
3,900.0	1.60	215.62	3,899.7	-19.5	-14.0	-19.0	0.00	0.00	0.00
4,000.0	1.60	215.62	3,999.6	-21.8	-15.6	-21.2	0.00	0.00	0.00
4,100.0	1.60	215.62	4,099.6	-24.1	-17.2	-23.4	0.00	0.00	0.00
4,200.0	1.60	215.62	4,199.6	-26.3	-18.9	-25.6	0.00	0.00	0.00
4,300.0	1.60	215.62	4,299.5	-28.6	-20.5	-27.9	0.00	0.00	0.00
4,400.0	1.60	215.62	4,399.5	-30.9	-22.1	-30.1	0.00	0.00	0.00
4,500.0	1.60	215.62	4,499.4	-33.2	-23.8	-32.3	0.00	0.00	0.00
4,600.0	1.60	215.62	4,599.4	-35.4	-25.4	-34.5	0.00	0.00	0.00
4,700.0	1.60	215.62	4,699.4	-37.7	-27.0	-36.7	0.00	0.00	0.00
4,800.0	1.60	215.62	4,799.3	-40.0	-28.6	-38.9	0.00	0.00	0.00
4,900.0	1.60	215.62	4,899.3	-42.2	-30.3	-41.1	0.00	0.00	0.00
5,000.0	1.60	215.62	4,999.2	-44.5	-31.9	-43.3	0.00	0.00	0.00
5,100.0	1.60	215.62	5,099.2	-46.8	-33.5	-45.5	0.00	0.00	0.00
5,200.0	1.60	215.62	5,199.2	-49.0	-35.1	-47.7	0.00	0.00	0.00

Database: EDM 5000.14
Company: EOG Resources - Midland
Project: Lea County, NM (NAD 83 NME)
Site: Streetcar 15 Fed
Well: #706H
Wellbore: OH
Design: Plan #0.2

Local Co-ordinate Reference: Well #706H
TVD Reference: KB = 25 @ 3395.0usft
MD Reference: KB = 25 @ 3395.0usft
North Reference: Grid
Survey Calculation Method: Minimum Curvature

Planned Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N-S (usft)	+E-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
5,300.0	1.60	215.62	5,299.1	-51.3	-36.8	-50.0	0.00	0.00	0.00	
5,400.0	1.60	215.62	5,399.1	-53.6	-38.4	-52.2	0.00	0.00	0.00	
5,500.0	1.60	215.62	5,499.0	-55.9	-40.0	-54.4	0.00	0.00	0.00	
5,600.0	1.60	215.62	5,599.0	-58.1	-41.6	-56.6	0.00	0.00	0.00	
5,700.0	1.60	215.62	5,699.0	-60.4	-43.3	-58.8	0.00	0.00	0.00	
5,800.0	1.60	215.62	5,798.9	-62.7	-44.9	-61.0	0.00	0.00	0.00	
5,900.0	1.60	215.62	5,898.9	-64.9	-46.5	-63.2	0.00	0.00	0.00	
6,000.0	1.60	215.62	5,998.9	-67.2	-48.2	-65.4	0.00	0.00	0.00	
6,100.0	1.60	215.62	6,098.8	-69.5	-49.8	-67.6	0.00	0.00	0.00	
6,200.0	1.60	215.62	6,198.8	-71.8	-51.4	-69.9	0.00	0.00	0.00	
6,300.0	1.60	215.62	6,298.7	-74.0	-53.0	-72.1	0.00	0.00	0.00	
6,400.0	1.60	215.62	6,398.7	-76.3	-54.7	-74.3	0.00	0.00	0.00	
6,500.0	1.60	215.62	6,498.7	-78.6	-56.3	-76.5	0.00	0.00	0.00	
6,600.0	1.60	215.62	6,598.6	-80.8	-57.9	-78.7	0.00	0.00	0.00	
6,700.0	1.60	215.62	6,698.6	-83.1	-59.5	-80.9	0.00	0.00	0.00	
6,800.0	1.60	215.62	6,798.5	-85.4	-61.2	-83.1	0.00	0.00	0.00	
6,900.0	1.60	215.62	6,898.5	-87.6	-62.8	-85.3	0.00	0.00	0.00	
7,000.0	1.60	215.62	6,998.5	-89.9	-64.4	-87.5	0.00	0.00	0.00	
7,100.0	1.60	215.62	7,098.4	-92.2	-66.0	-89.7	0.00	0.00	0.00	
7,200.0	1.60	215.62	7,198.4	-94.5	-67.7	-92.0	0.00	0.00	0.00	
7,300.0	1.60	215.62	7,298.3	-96.7	-69.3	-94.2	0.00	0.00	0.00	
7,400.0	1.60	215.62	7,398.3	-99.0	-70.9	-96.4	0.00	0.00	0.00	
7,500.0	1.60	215.62	7,498.3	-101.3	-72.6	-98.6	0.00	0.00	0.00	
7,600.0	1.60	215.62	7,598.2	-103.5	-74.2	-100.8	0.00	0.00	0.00	
7,700.0	1.60	215.62	7,698.2	-105.8	-75.8	-103.0	0.00	0.00	0.00	
7,800.0	1.60	215.62	7,798.1	-108.1	-77.4	-105.2	0.00	0.00	0.00	
7,900.0	1.60	215.62	7,898.1	-110.4	-79.1	-107.4	0.00	0.00	0.00	
8,000.0	1.60	215.62	7,998.1	-112.6	-80.7	-109.6	0.00	0.00	0.00	
8,100.0	1.60	215.62	8,098.0	-114.9	-82.3	-111.9	0.00	0.00	0.00	
8,200.0	1.60	215.62	8,198.0	-117.2	-83.9	-114.1	0.00	0.00	0.00	
8,300.0	1.60	215.62	8,298.0	-119.4	-85.6	-116.3	0.00	0.00	0.00	
8,400.0	1.60	215.62	8,397.9	-121.7	-87.2	-118.5	0.00	0.00	0.00	
8,500.0	1.60	215.62	8,497.9	-124.0	-88.8	-120.7	0.00	0.00	0.00	
8,600.0	1.60	215.62	8,597.8	-126.3	-90.4	-122.9	0.00	0.00	0.00	
8,700.0	1.60	215.62	8,697.8	-128.5	-92.1	-125.1	0.00	0.00	0.00	
8,800.0	1.60	215.62	8,797.8	-130.8	-93.7	-127.3	0.00	0.00	0.00	
8,900.0	1.60	215.62	8,897.7	-133.1	-95.3	-129.5	0.00	0.00	0.00	
9,000.0	1.60	215.62	8,997.7	-135.3	-97.0	-131.7	0.00	0.00	0.00	
9,100.0	1.60	215.62	9,097.6	-137.6	-98.6	-134.0	0.00	0.00	0.00	
9,200.0	1.60	215.62	9,197.6	-139.9	-100.2	-136.2	0.00	0.00	0.00	
9,300.0	1.60	215.62	9,297.6	-142.1	-101.8	-138.4	0.00	0.00	0.00	
9,400.0	1.60	215.62	9,397.5	-144.4	-103.5	-140.6	0.00	0.00	0.00	
9,500.0	1.60	215.62	9,497.5	-146.7	-105.1	-142.8	0.00	0.00	0.00	
9,600.0	1.60	215.62	9,597.4	-149.0	-106.7	-145.0	0.00	0.00	0.00	
9,700.0	1.60	215.62	9,697.4	-151.2	-108.3	-147.2	0.00	0.00	0.00	
9,800.0	1.60	215.62	9,797.4	-153.5	-110.0	-149.4	0.00	0.00	0.00	
9,900.0	1.60	215.62	9,897.3	-155.8	-111.6	-151.6	0.00	0.00	0.00	
10,000.0	1.60	215.62	9,997.3	-158.0	-113.2	-153.9	0.00	0.00	0.00	
10,100.0	1.60	215.62	10,097.3	-160.3	-114.8	-156.1	0.00	0.00	0.00	
10,200.0	1.60	215.62	10,197.2	-162.6	-116.5	-158.3	0.00	0.00	0.00	
10,300.0	1.60	215.62	10,297.2	-164.9	-118.1	-160.5	0.00	0.00	0.00	
10,400.0	1.60	215.62	10,397.1	-167.1	-119.7	-162.7	0.00	0.00	0.00	
10,500.0	1.60	215.62	10,497.1	-169.4	-121.4	-164.9	0.00	0.00	0.00	
10,600.0	1.60	215.62	10,597.1	-171.7	-123.0	-167.1	0.00	0.00	0.00	

Database: EDM 5000.14
Company: EOG Resources - Midland
Project: Lea County, NM (NAD 83 NME)
Site: Streetcar 15 Fed
Well: #706H
Wellbore: OH
Design: Plan #0.2

Local Co-ordinate Reference: Well #706H
TVD Reference: KB = 25 @ 3395.0usft
MD Reference: KB = 25 @ 3395.0usft
North Reference: Grid
Survey Calculation Method: Minimum Curvature

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
10,700.0	1.60	215.62	10,697.0	-173.9	-124.6	-169.3	0.00	0.00	0.00
10,800.0	1.60	215.62	10,797.0	-176.2	-126.2	-171.5	0.00	0.00	0.00
10,900.0	1.60	215.62	10,896.9	-178.5	-127.9	-173.7	0.00	0.00	0.00
11,000.0	1.60	215.62	10,996.9	-180.7	-129.5	-176.0	0.00	0.00	0.00
11,100.0	1.60	215.62	11,096.9	-183.0	-131.1	-178.2	0.00	0.00	0.00
11,200.0	1.60	215.62	11,196.8	-185.3	-132.7	-180.4	0.00	0.00	0.00
11,300.0	1.60	215.62	11,296.8	-187.6	-134.4	-182.6	0.00	0.00	0.00
11,400.0	1.60	215.62	11,396.7	-189.8	-136.0	-184.8	0.00	0.00	0.00
11,500.0	1.60	215.62	11,496.7	-192.1	-137.6	-187.0	0.00	0.00	0.00
11,600.0	1.60	215.62	11,596.7	-194.4	-139.3	-189.2	0.00	0.00	0.00
11,700.0	1.60	215.62	11,696.6	-196.6	-140.9	-191.4	0.00	0.00	0.00
11,800.0	1.60	215.62	11,796.6	-198.9	-142.5	-193.6	0.00	0.00	0.00
11,851.9	1.60	215.62	11,848.5	-200.1	-143.3	-194.8	0.00	0.00	0.00
11,900.0	0.64	215.62	11,896.6	-200.9	-143.9	-195.5	2.00	-2.00	0.00
11,931.9	0.00	0.00	11,928.5	-201.0	-144.0	-195.7	2.00	-2.00	0.00
KOP(SC 15 Fed #706H)									
11,950.0	2.17	359.62	11,946.6	-200.7	-144.0	-195.3	12.00	12.00	0.00
11,975.0	5.17	359.62	11,971.5	-199.1	-144.0	-193.7	12.00	12.00	0.00
12,000.0	8.17	359.62	11,996.3	-196.2	-144.0	-190.8	12.00	12.00	0.00
12,025.0	11.17	359.62	12,021.0	-192.0	-144.1	-186.6	12.00	12.00	0.00
12,050.0	14.17	359.62	12,045.4	-186.5	-144.1	-181.2	12.00	12.00	0.00
12,075.0	17.17	359.62	12,069.4	-179.7	-144.1	-174.4	12.00	12.00	0.00
12,100.0	20.17	359.62	12,093.1	-171.7	-144.2	-166.4	12.00	12.00	0.00
12,125.0	23.17	359.62	12,116.3	-162.5	-144.3	-157.2	12.00	12.00	0.00
12,150.0	26.17	359.62	12,139.1	-152.1	-144.3	-146.8	12.00	12.00	0.00
12,175.0	29.17	359.62	12,161.2	-140.5	-144.4	-135.2	12.00	12.00	0.00
12,200.0	32.17	359.62	12,182.7	-127.7	-144.5	-122.4	12.00	12.00	0.00
12,225.0	35.17	359.62	12,203.5	-113.9	-144.6	-108.6	12.00	12.00	0.00
12,250.0	38.17	359.62	12,223.6	-98.9	-144.7	-93.6	12.00	12.00	0.00
12,275.0	41.17	359.62	12,242.8	-83.0	-144.8	-77.7	12.00	12.00	0.00
12,300.0	44.17	359.62	12,261.2	-66.0	-144.9	-60.8	12.00	12.00	0.00
12,325.0	47.17	359.62	12,278.6	-48.2	-145.0	-42.9	12.00	12.00	0.00
12,331.9	47.99	359.62	12,283.3	-43.1	-145.0	-37.8	12.00	12.00	0.00
FTP(SC 15 Fed #706H)									
12,350.0	50.17	359.62	12,295.2	-29.4	-145.1	-24.1	12.00	12.00	0.00
12,375.0	53.17	359.62	12,310.7	-9.8	-145.3	-4.5	12.00	12.00	0.00
12,400.0	56.17	359.62	12,325.1	10.6	-145.4	15.9	12.00	12.00	0.00
12,425.0	59.17	359.62	12,338.5	31.7	-145.5	37.0	12.00	12.00	0.00
12,450.0	62.17	359.62	12,350.7	53.5	-145.7	58.8	12.00	12.00	0.00
12,475.0	65.17	359.62	12,361.8	75.9	-145.8	81.1	12.00	12.00	0.00
12,500.0	68.17	359.62	12,371.7	98.9	-146.0	104.1	12.00	12.00	0.00
12,525.0	71.17	359.62	12,380.4	122.3	-146.1	127.5	12.00	12.00	0.00
12,550.0	74.17	359.62	12,387.8	146.2	-146.3	151.4	12.00	12.00	0.00
12,575.0	77.17	359.62	12,394.0	170.4	-146.5	175.6	12.00	12.00	0.00
12,600.0	80.17	359.62	12,399.0	194.9	-146.6	200.1	12.00	12.00	0.00
12,625.0	83.17	359.62	12,402.6	219.6	-146.8	224.8	12.00	12.00	0.00
12,650.0	86.17	359.62	12,404.9	244.5	-147.0	249.7	12.00	12.00	0.00
12,675.0	89.17	359.62	12,405.9	269.5	-147.1	274.6	12.00	12.00	0.00
12,681.9	90.00	359.62	12,406.0	276.5	-147.2	281.6	12.00	12.00	0.00
12,700.0	90.00	359.62	12,406.0	294.5	-147.3	299.6	0.00	0.00	0.00
12,800.0	90.00	359.62	12,406.0	394.5	-147.9	399.6	0.00	0.00	0.00
12,900.0	90.00	359.62	12,406.0	494.5	-148.6	499.5	0.00	0.00	0.00
13,000.0	90.00	359.62	12,406.0	594.5	-149.3	599.5	0.00	0.00	0.00
13,100.0	90.00	359.62	12,406.0	694.5	-149.9	699.5	0.00	0.00	0.00

Database: EDM 5000.14
Company: EOG Resources - Midland
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Site: Streetcar 15 Fed
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Local Co-ordinate Reference: Well #706H
TYD Reference: KB = 25 @ 3395.0usft
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Survey Calculation Method: Minimum Curvature

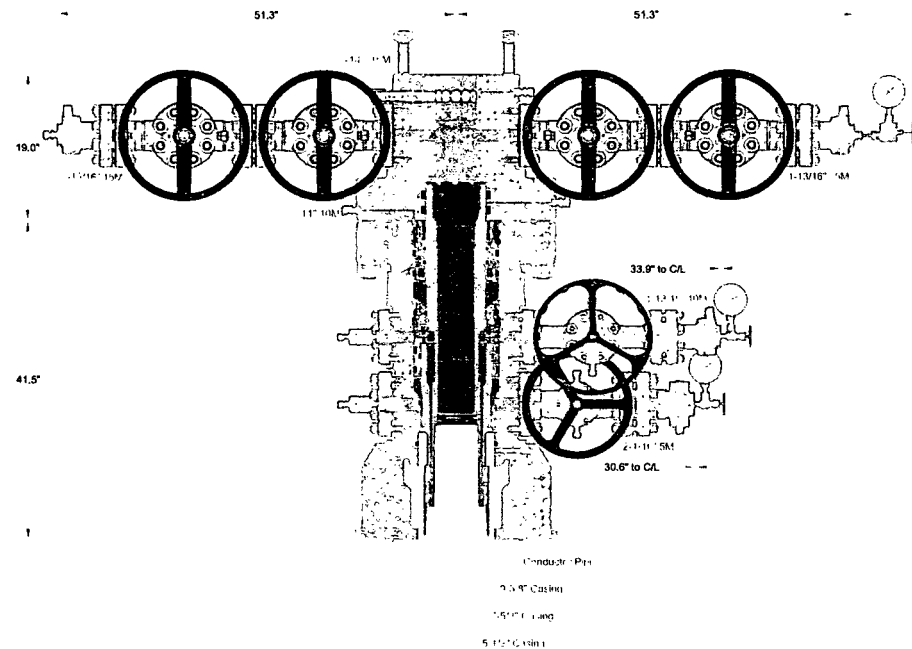
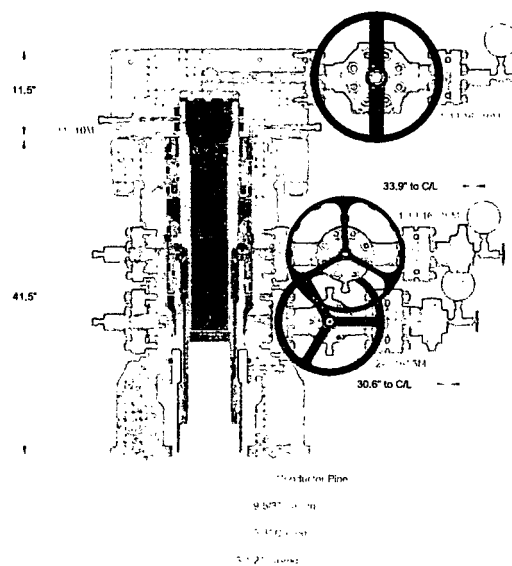
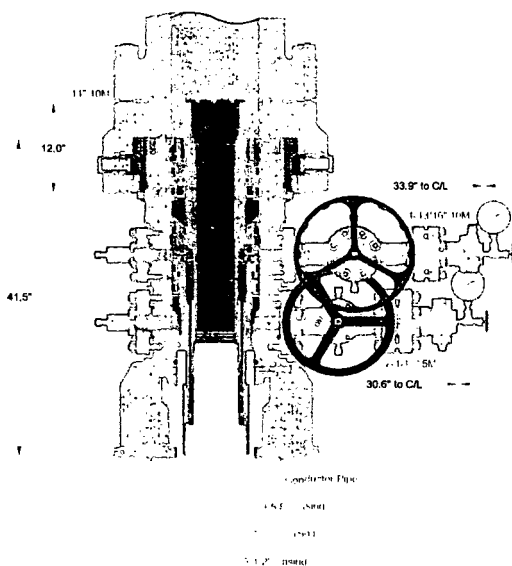
Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
13,200.0	90.00	359.62	12,406.0	794.5	-150.6	799.4	0.00	0.00	0.00
13,300.0	90.00	359.62	12,406.0	894.5	-151.3	899.4	0.00	0.00	0.00
13,400.0	90.00	359.62	12,406.0	994.5	-151.9	999.3	0.00	0.00	0.00
13,500.0	90.00	359.62	12,406.0	1,094.5	-152.6	1,099.3	0.00	0.00	0.00
13,600.0	90.00	359.62	12,406.0	1,194.5	-153.2	1,199.2	0.00	0.00	0.00
13,700.0	90.00	359.62	12,406.0	1,294.5	-153.9	1,299.2	0.00	0.00	0.00
13,800.0	90.00	359.62	12,406.0	1,394.5	-154.6	1,399.2	0.00	0.00	0.00
13,900.0	90.00	359.62	12,406.0	1,494.5	-155.2	1,499.1	0.00	0.00	0.00
14,000.0	90.00	359.62	12,406.0	1,594.5	-155.9	1,599.1	0.00	0.00	0.00
14,100.0	90.00	359.62	12,406.0	1,694.5	-156.6	1,699.0	0.00	0.00	0.00
14,200.0	90.00	359.62	12,406.0	1,794.5	-157.2	1,799.0	0.00	0.00	0.00
14,300.0	90.00	359.62	12,406.0	1,894.5	-157.9	1,898.9	0.00	0.00	0.00
14,400.0	90.00	359.62	12,406.0	1,994.5	-158.6	1,998.9	0.00	0.00	0.00
14,500.0	90.00	359.62	12,406.0	2,094.5	-159.2	2,098.9	0.00	0.00	0.00
14,600.0	90.00	359.62	12,406.0	2,194.5	-159.9	2,198.8	0.00	0.00	0.00
14,700.0	90.00	359.62	12,406.0	2,294.5	-160.5	2,298.8	0.00	0.00	0.00
14,800.0	90.00	359.62	12,406.0	2,394.5	-161.2	2,398.7	0.00	0.00	0.00
14,900.0	90.00	359.62	12,406.0	2,494.5	-161.9	2,498.7	0.00	0.00	0.00
15,000.0	90.00	359.62	12,406.0	2,594.5	-162.5	2,598.6	0.00	0.00	0.00
15,100.0	90.00	359.62	12,406.0	2,694.5	-163.2	2,698.6	0.00	0.00	0.00
15,200.0	90.00	359.62	12,406.0	2,794.5	-163.9	2,798.5	0.00	0.00	0.00
15,300.0	90.00	359.62	12,406.0	2,894.5	-164.5	2,898.5	0.00	0.00	0.00
15,400.0	90.00	359.62	12,406.0	2,994.5	-165.2	2,998.5	0.00	0.00	0.00
15,500.0	90.00	359.62	12,406.0	3,094.4	-165.8	3,098.4	0.00	0.00	0.00
15,600.0	90.00	359.62	12,406.0	3,194.4	-166.5	3,198.4	0.00	0.00	0.00
15,700.0	90.00	359.62	12,406.0	3,294.4	-167.2	3,298.3	0.00	0.00	0.00
15,800.0	90.00	359.62	12,406.0	3,394.4	-167.8	3,398.3	0.00	0.00	0.00
15,900.0	90.00	359.62	12,406.0	3,494.4	-168.5	3,498.2	0.00	0.00	0.00
16,000.0	90.00	359.62	12,406.0	3,594.4	-169.2	3,598.2	0.00	0.00	0.00
16,100.0	90.00	359.62	12,406.0	3,694.4	-169.8	3,698.2	0.00	0.00	0.00
16,200.0	90.00	359.62	12,406.0	3,794.4	-170.5	3,798.1	0.00	0.00	0.00
16,300.0	90.00	359.62	12,406.0	3,894.4	-171.1	3,898.1	0.00	0.00	0.00
16,400.0	90.00	359.62	12,406.0	3,994.4	-171.8	3,998.0	0.00	0.00	0.00
16,500.0	90.00	359.62	12,406.0	4,094.4	-172.5	4,098.0	0.00	0.00	0.00
16,600.0	90.00	359.62	12,406.0	4,194.4	-173.1	4,197.9	0.00	0.00	0.00
16,700.0	90.00	359.62	12,406.0	4,294.4	-173.8	4,297.9	0.00	0.00	0.00
16,800.0	90.00	359.62	12,406.0	4,394.4	-174.5	4,397.9	0.00	0.00	0.00
16,900.0	90.00	359.62	12,406.0	4,494.4	-175.1	4,497.8	0.00	0.00	0.00
17,000.0	90.00	359.62	12,406.0	4,594.4	-175.8	4,597.8	0.00	0.00	0.00
17,100.0	90.00	359.62	12,406.0	4,694.4	-176.4	4,697.7	0.00	0.00	0.00
17,200.0	90.00	359.62	12,406.0	4,794.4	-177.1	4,797.7	0.00	0.00	0.00
17,300.0	90.00	359.62	12,406.0	4,894.4	-177.8	4,897.6	0.00	0.00	0.00
17,334.6	90.00	359.62	12,406.0	4,929.0	-178.0	4,932.2	0.00	0.00	0.00

PBHL(SC 15 Fed #706H)

Database:	EDM 5000.14	Local Co-ordinate Reference:	Well #706H
Company:	EOG Resources - Midland	TVD Reference:	KB = 25 @ 3395.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	KB = 25 @ 3395.0usft
Site:	Streetcar 15 Fed	North Reference:	Grid
Well:	#706H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.2		

Design Targets									
Target Name	Dip Angle	Dip Dir.	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
- hit/miss target	(°)	(°)	(usft)	(usft)	(usft)	(usft)	(usft)		
- Shape									
KOP(SC 15 Fed #706H)	0.00	0.00	11,928.5	-201.0	-144.0	409,486.00	778,438.00	32° 7' 24.382 N	103° 34' 2.804 W
- plan hits target center									
- Point									
FTP(SC 15 Fed #706H)	0.00	0.00	12,406.0	-151.0	-144.0	409,536.00	778,438.00	32° 7' 24.877 N	103° 34' 2.800 W
- plan misses target center by 163.4usft at 12331.9usft MD (12283.3 TVD, -43.1 N, -145.0 E)									
- Point									
PBHL(SC 15 Fed #706H)	0.00	0.01	12,406.0	4,929.0	-178.0	414,616.00	778,404.00	32° 8' 15.148 N	103° 34' 2.776 W
- plan hits target center									
- Point									



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CACTUS WELLHEAD LLC

20" x 9-5/8" x 7-5/8" x 5-1/2" MBU-T-SF SOW Wellhead System
With 11" 10M x 5-1/8" 15M CMT-DBLHPS-SB Tubing Head,
Mandrel Hangers, Quick Connect Drilling Adapter And TA Cap

ALL DIMENSIONS APPROXIMATE
EOG RESOURCES
DELAWARE

DLE 23OCT18

HBE0000010

10,000 PSI BOP Annular Variance Request

EOG Resources request a variance to use a 5000 psi annular BOP with a 10,000 psi BOP stack. The component and compatibility tables along with the general well control plans demonstrate how the 5000 psi annular BOP will be protected from pressures that exceed its rated working pressure (RWP). The pressure at which the control of the wellbore is transferred from the annular preventer to another available preventer will not exceed 3500 psi (70% of the RWP of the 5000 psi annular BOP).

1. Component and Preventer Compatibility Tables

The tables below outlines the tubulars and the compatible preventers in use. This table, combined with the drilling fluid, documents that two barriers to flow will be maintained at all times.

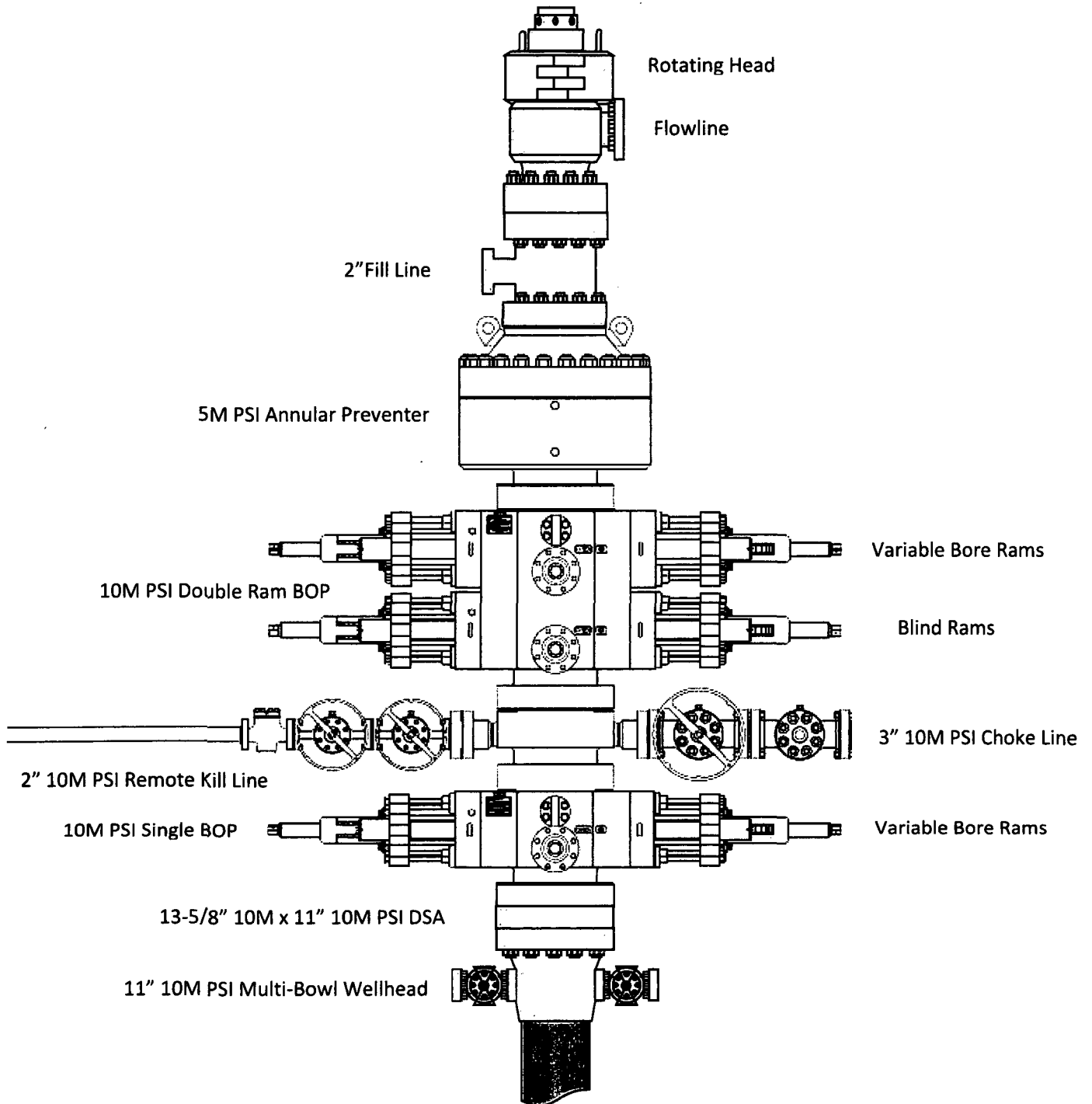
9-7/8" & 8-3/4" Intermediate Hole Section					
10M psi requirement					
Component	OD	Primary Preventer	RWP	Alternate Preventer(s)	RWP
Drillpipe	4.500"	Annular	5M	Upper 3.5 - 5.5" VBR Lower 3.5 - 5.5" VBR	10M 10M
HWDP	4.500"	Annular	5M	Upper 3.5 - 5.5" VBR Lower 3.5 - 5.5" VBR	10M 10M
Jars	4.500"	Annular	5M	Upper 3.5 - 5.5" VBR Lower 3.5 - 5.5" VBR	10M 10M
DCs and MWD tools	6.500 – 8.000"	Annular	5M	-	-
Mud Motor	6.750 – 8.000"	Annular	5M	-	-
Intermediate casing	7.625"	Annular	5M	-	-
Open-hole	-	Blind Rams	10M	-	-

6-3/4" Production Hole Section					
10M psi requirement					
Component	OD	Primary Preventer	RWP	Alternate Preventer(s)	RWP
Drillpipe	4.500"	Annular	5M	Upper 3.5 - 5.5" VBR Lower 3.5 - 5.5" VBR	10M 10M
HWDP	4.500"	Annular	5M	Upper 3.5 - 5.5" VBR Lower 3.5 - 5.5" VBR	10M 10M
DCs and MWD tools	4.750 – 5.500"	Annular	5M	Upper 3.5 - 5.5" VBR Lower 3.5 - 5.5" VBR	10M 10M
Mud Motor	4.750 – 5.500"	Annular	5M	Upper 3.5 - 5.5" VBR Lower 3.5 - 5.5" VBR	10M 10M
Mud Motor	5.500 – 5.750"	Annular	5M	-	-
Production casing	5.500"	Annular	5M	Upper 3.5 - 5.5" VBR Lower 3.5 - 5.5" VBR	10M 10M
Open-hole	-	Blind Rams	10M	-	-

VBR = Variable Bore Ram

EOG Resources

11" 10M PSI BOP Stack



2. Well Control Procedures

Below are the minimal high-level tasks prescribed to assure a proper shut-in while drilling, tripping, running casing, pipe out of the hole (open hole), and moving the BHA through the BOPs. At least one well control drill will be performed weekly per crew to demonstrate compliance with the procedure and well control plan. The well control drill will be recorded in the daily drilling log. The type of drill will be determined by the ongoing operations, but reasonable attempts will be made to vary the type of drill conducted (pit, trip, open hole, choke, etc.). This well control plan will be available for review by rig personnel in the EOG Resources drilling supervisor's office on location, and on the rig floor. All BOP equipment will be tested as per Onshore O&G Order No. 2 with the exception of the 5000 psi annular which will be tested to 100% of its RWP.

General Procedure While Drilling

1. Sound alarm (alert crew)
2. Space out drill string
3. Shut down pumps (stop pumps and rotary)
4. Shut-in Well (uppermost applicable BOP, typically annular preventer first. HCR and choke will already be in the closed position.)
5. Confirm shut-in
6. Notify toolpusher/company representative
7. Read and record the following:
 - a. SIDPP and SICP
 - b. Pit gain
 - c. Time
8. Regroup and identify forward plan
9. If pressure has built or is anticipated during the kill to reach 70% or greater of the RWP of the annular preventer, confirm spacing and close the upper variable bore rams.

General Procedure While Tripping

1. Sound alarm (alert crew)
2. Stab full opening safety valve and close
3. Space out drill string
4. Shut-in (uppermost applicable BOP, typically annular preventer first. HCR and choke will already be in the closed position.)
5. Confirm shut-in
6. Notify toolpusher/company representative
7. Read and record the following:
 - a. SIDPP and SICP
 - b. Pit gain
 - c. Time
8. Regroup and identify forward plan
9. If pressure has built or is anticipated during the kill to reach 70% or greater of the RWP of the annular preventer, confirm spacing and close the upper variable bore rams.

General Procedure While Running Production Casing

1. Sound alarm (alert crew)
2. Stab crossover and full opening safety valve and close
3. Space out string

4. Shut-in (uppermost applicable BOP, typically annular preventer first. HCR and choke will already be in the closed position.)
5. Confirm shut-in
6. Notify toolpusher/company representative
7. Read and record the following:
 - a. SIDPP and SICP
 - b. Pit gain
 - c. Time
8. Regroup and identify forward plan
9. If pressure has built or is anticipated during the kill to reach 70% or greater of the RWP of the annular preventer, confirm spacing and close the upper variable bore rams.

General Procedure With No Pipe In Hole (Open Hole)

1. Sound alarm (alert crew)
2. Shut-in with blind rams. (HCR and choke will already be in the closed position.)
3. Confirm shut-in
4. Notify toolpusher/company representative
5. Read and record the following:
 - a. SICP
 - b. Pit gain
 - c. Time
6. Regroup and identify forward plan

General Procedures While Pulling BHA thru Stack

1. PRIOR to pulling last joint of drillpipe thru the stack.
 - a. Perform flowcheck, if flowing:
 - b. Sound alarm (alert crew)
 - c. Stab full opening safety valve and close
 - d. Space out drill string with tool joint just beneath the upper variable bore rams.
 - e. Shut-in using upper variable bore rams. (HCR and choke will already be in the closed position.)
 - f. Confirm shut-in
 - g. Notify toolpusher/company representative
 - h. Read and record the following:
 - i. SIDPP and SICP
 - ii. Pit gain
 - iii. Time
 - i. Regroup and identify forward plan
2. With BHA in the stack and compatible ram preventer and pipe combo immediately available.
 - a. Sound alarm (alert crew)
 - b. Stab crossover and full opening safety valve and close
 - c. Space out drill string with upset just beneath the upper variable bore rams.
 - d. Shut-in using upper variable bore rams. (HCR and choke will already be in the closed position.)
 - e. Confirm shut-in
 - f. Notify toolpusher/company representative
 - g. Read and record the following:
 - i. SIDPP and SICP

- ii. Pit gain
 - iii. Time
 - h. Regroup and identify forward plan
- 3. With BHA in the stack and NO compatible ram preventer and pipe combo immediately available.
 - a. Sound alarm (alert crew)
 - b. If possible to pick up high enough, pull string clear of the stack and follow "Open Hole" scenario.
 - c. If impossible to pick up high enough to pull the string clear of the stack:
 - d. Stab crossover, make up one joint/stand of drillpipe, and full opening safety valve and close
 - e. Space out drill string with tooljoint just beneath the upper variable bore ram.
 - f. Shut-in using upper variable bore ram. (HCR and choke will already be in the closed position.)
 - g. Confirm shut-in
 - h. Notify toolpusher/company representative
 - i. Read and record the following:
 - i. SIDPP and SICP
 - ii. Pit gain
 - iii. Time
 - j. Regroup and identify forward plan

PECOS DISTRICT DRILLING OPERATIONS CONDITIONS OF APPROVAL

OPERATOR'S NAME:	EOG RESOURCES INCORPORATED
LEASE NO.:	NMNM26079
WELL NAME & NO.:	STREETCAR 15 FED 706H
SURFACE HOLE FOOTAGE:	250'/S & 560'/W
BOTTOM HOLE FOOTAGE:	100'/N & 415'/W
LOCATION:	T-25S, R-33E, S15. NMPM
COUNTY:	LEA, NM

Potash	☒ None	☐ Secretary	☐ R-111-P
Cave/Karst Potential	☒ Low	☐ Medium	☐ High
Variance	☐ None	☒ Flex Hose	☐ Other
Wellhead	☐ Conventional	☒ Multibowl	
Other	☐ 4 String Area	☐ Capitan Reef	☐ WIPP

A. CASING

1. The **9-5/8** inch surface casing shall be set at approximately **1160** feet (a minimum of 25 feet into the Rustler Anhydrite and above the salt) and cemented to the surface.
 - a. 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 surface log readout will be used or a cement bond log shall be run to verify the top of the cement. Temperature survey will be run a minimum of six hours after pumping cement and ideally between 8-10 hours after completing the cement job.
 - b. Wait on cement (WOC) time for a primary cement job will be a minimum of **8 hours** or 500 pounds compressive strength, whichever is greater. (This is to include the lead cement)
 - c. 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.
 - d. If cement falls back, remedial cementing will be done prior to drilling out that string.
2. The minimum required fill of cement behind the **7-5/8** inch intermediate casing is:
 - a. Cement to surface. If cement does not circulate see B.1.a, c-d above.

- b. Wait on cement (WOC) time for a primary cement job is to include the lead cement slurry due to cave/karst.
3. The minimum required fill of cement behind the 5-1/2 inch production casing is:
 - a. Cement shall tie-back 200' into the previous casing. Operator shall provide method of verification.

B. PRESSURE CONTROL

1. Variance approved to use flex line from BOP to choke manifold. Manufacturer's specification to be readily available. No external damage to flex line. Flex line to be installed as straight as possible (no hard bends).
2. Minimum working pressure of the blowout preventer (BOP) and related equipment (BOPE) required for drilling below the surface casing shoe shall be **5000 (5M) psi**.
3. Minimum working pressure of the blowout preventer (BOP) and related equipment (BOPE) required for drilling below the intermediate casing shoe shall be **10,000 (10M) psi**. **Variance approved to use a 5M annular. The annular must be tested to full working pressure (5000 psi).**

All other previous conditions of approval still apply.

DR 1/12/2019