

HOBBS OCD
MAY 23 2018
RECEIVED

Carlsbad Field Office

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OCD Hobbs

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 <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. NMNM26079
2. Name of Operator EOG RESOURCES INCORPORATED Contact: STAN WAGNER E-Mail: stan_wagner@egresources.com		6. If Indian, Allottee or Tribe Name
3a. Address MIDLAND, TX 79702	3b. Phone No. (include area code) Ph: 432-686-3689	7. If Unit or CA/Agreement, Name and/or No.
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 15 T25S R33E SESW 250FSL 2215FWL		8. Well Name and No. STREETCAR 15 FED 604H
		9. API Well No. 30-025-42878-00-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			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Hydraulic Fracturing	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other Change to Original APD
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports 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 Resources requests an amendment to our approved APD for this well to reflect changes in SHL, BHL, and casing.

Change SHL to 731' FSL & 2411' FWL, 15-25S-33E
Change BHL to 230' FNL & 2150' FWL, 15-25S-33E

Change casing & drill plan as attached.

The change in surface location is necessitated by a new pipeline being laid through our previously reviewed and approved staked location. We will move the SHL Northeast from the previously staked location to avoid the existing pipeline ROW.

NRS RR Use existing COA'S from approved APD for Streetcar 15 Fed

14. I hereby certify that the foregoing is true and correct.

Electronic Submission #405487 verified by the BLM Well Information System
For EOG RESOURCES INCORPORATED, sent to the Hobbs
Committed to AFMSS for processing by PRISCILLA PEREZ on 03/12/2018 (18PP0752SE)

Name (Printed/Typed) STAN WAGNER Title REGULATORY ANALYST

Signature (Electronic Submission) Date 02/22/2018

and attached 5H COA'S 5/14/18

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By *Cody L. Taylor* Title *MEM-LEM* Date *05/14/2018*

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 *CFO*

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 **

KAG

Additional data for EC transaction #405487 that would not fit on the form

32. Additional remarks, continued

We request a pad size of 400' X 453'. Associated surface plats attached.
Attached plats reflect adjusted interim reclamation, road access, topsoil location, and flowline routing.

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: (505) 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 30-025-42878	² Pool Code 96392	³ Pool Name Draper Mill; bone Spring
⁴ Property Code 315310	⁵ Property Name STREETCAR 15 FED	
⁶ OGRID No. 7377	⁷ Operator Name EOG RESOURCES, INC.	⁸ Well Number #604H
		⁹ Elevation 3362'

¹⁰Surface Location

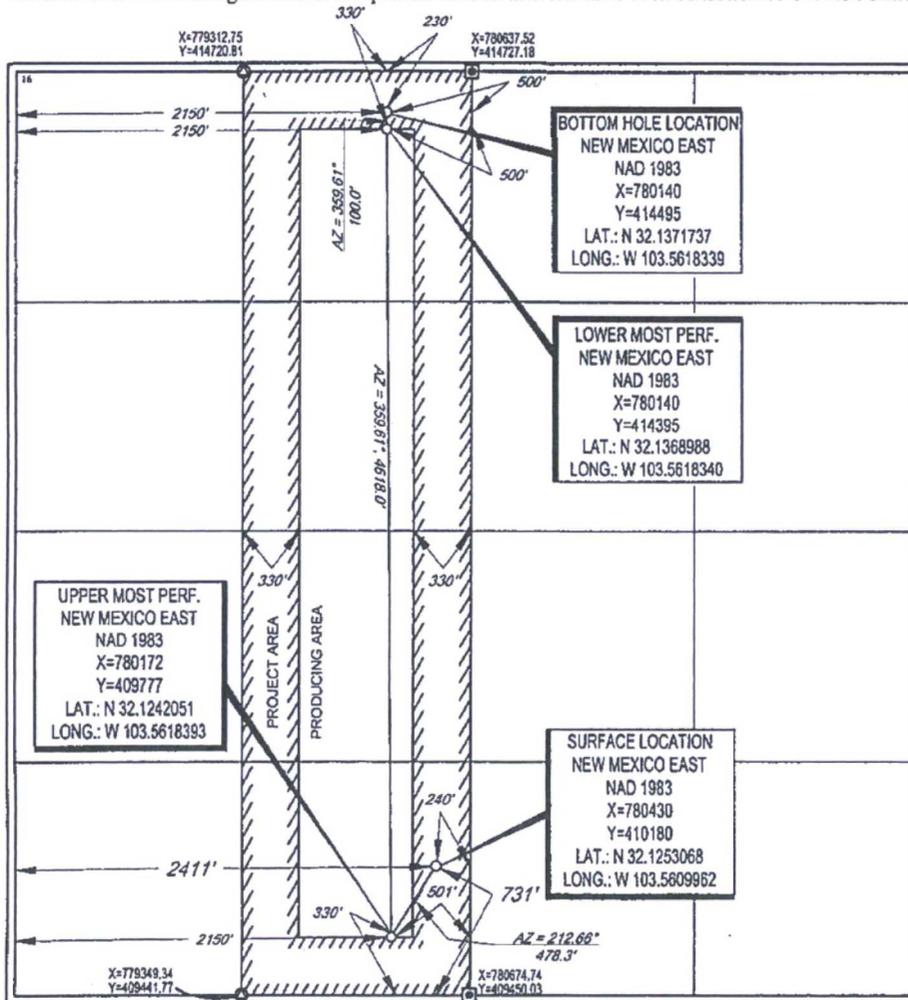
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
N	15	25-S	33-E	-	731'	SOUTH	2411'	WEST	LEA

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
C	15	25-S	33-E	-	230'	NORTH	2150'	WEST	LEA

¹² Dedicated Acres 160.00	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.



17 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 of 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.

Stan Wagner 2/22/18
Signature Date

Stan Wagner
Printed Name

E-mail Address

18 SURVEYOR CERTIFICATION
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true to the best of my belief.

02/06/2018
Date of Survey
Signature of Surveyor
MICHAEL BROWN
NEW MEXICO
18329
PROFESSIONAL SURVEYOR

Certificate Number

Revised Permit Information 2/22/18:

Well Name: Streetcar 15 Fed No. 604H

Location:

SL: 731' FSL & 2411' FWL, Section 15, T-25-S, R-33-E, Lea Co., N.M.

BHL: 230' FNL & 2150' 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
17.5"	0 - 1,160'	13.375"	54.5#	J55	STC	1.125	1.25	1.60
12.25"	0-4,000'	9.625"	40#	J55	LTC	1.125	1.25	1.60
12.25"	4,000'-4,900'	9.625"	40#	HCK55	LTC	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"	0'-16,948'	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)
4,900'	692	12.7	2.22	Lead: Class C + 0.15% C-20 + 11.63 pps Salt + 0.1% C-51 + 0.75% C-41P (TOC @ Surface)
	303	14.8	1.32	Tail: Class C + 0.13% C-20
11,300'	375	10.8	3.67	Lead: Class C + 0.40% D013 + 0.20% D046 + 0.10% D065 + 0.20% D167 (TOC @ 4,400')
	400	14.8	2.38	Tail: Class H + 94.0 pps D909 + 0.25% D065 + 0.30% D167 + 0.02% D208 + 0.15% D800
16,948'	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:

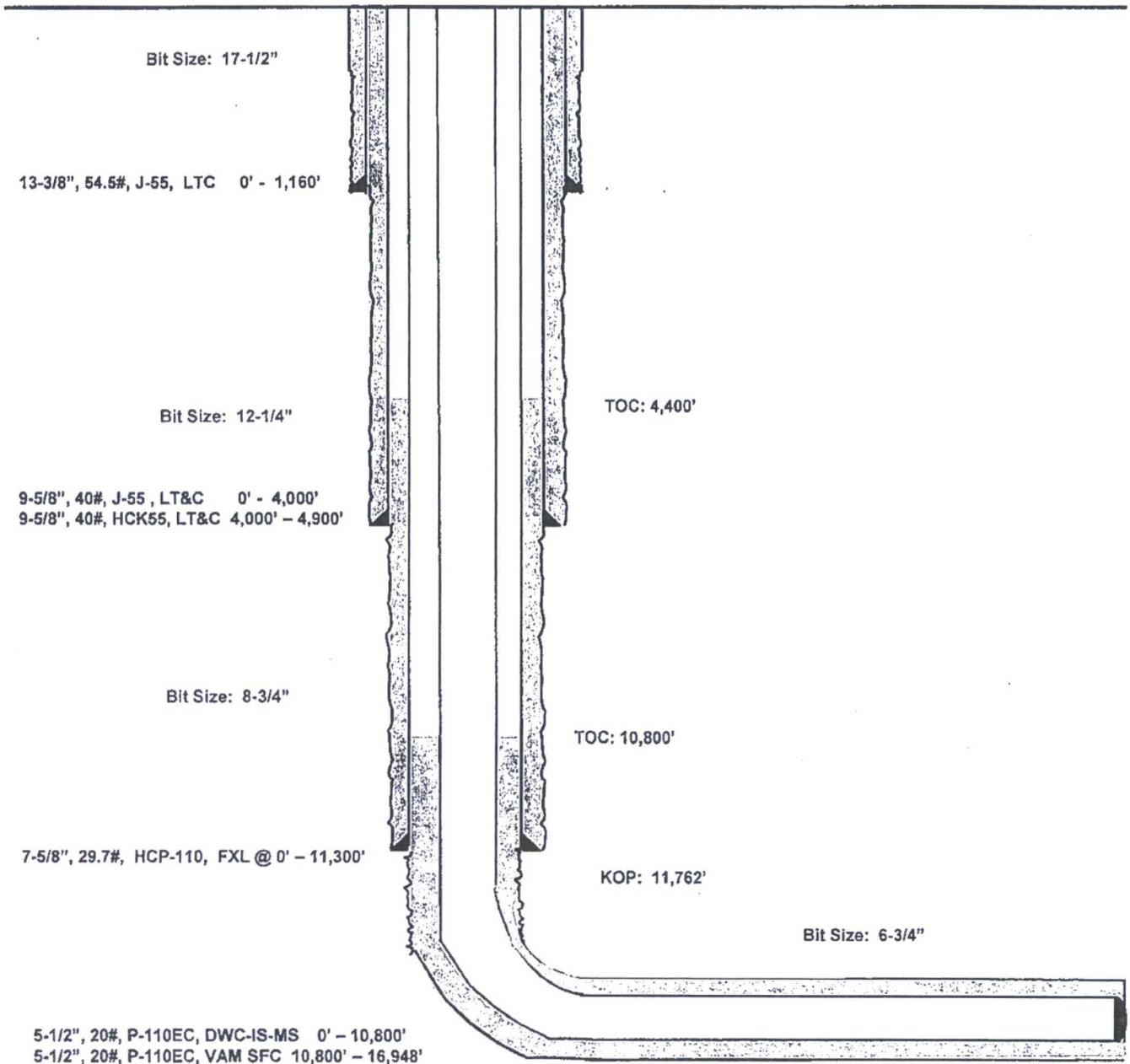
Depth	Type	Weight (ppg)	Viscosity	Water Loss
0 - 1,160'	Fresh - Gel	8.6-8.8	28-34	N/c
1,160' - 4,900'	Brine	10.0-10.2	28-34	N/c
4,900' - 11,300'	Oil Base	8.7-9.4	58-68	N/c - 6
11,300' - 16,948' Lateral	Oil Base	10.0-11.5	58-68	3 - 6

Streetcar 15 Fed #604H
Lea County, New Mexico

731' FSL
2411' FWL
Section 15
T-25-S, R-33-E

Proposed Wellbore
Revised 2/22/18
API: 30-025-42878

KB: 3,388'
GL: 3,363'



Laterals: 16,948' MD, 12,248' TVD
Upper Most Perf:
330' FSL & 2150' FWL Sec. 15
Lower Most Perf:
330' FNL & 2150' FWL Sec. 15
BH Location: 230' FNL & 2150' FWL
Section 15
T-25-S, R-33-E



Lea County, NM (NAD 83 NME)

Streetcar 15 Fed #604H

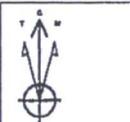
Plan #0.3(AC issue)

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: #604H

KB = 2F @ 3387.0usft 3382.0
Northing 410186.00 Easting 780430.00 Longitude 32° 7' 31.109 N 102° 32' 38.564 W



Asluths to Grid North
True North: -0.41°
Magnetic North: 8.90°
Magnetic Field
Strength: 4781.17nT
Dip Angle: 69.87°
Date: 1/28/2017
Model: IGRF2015

To convert a Magnetic Direction to a Grid Direction, Add 8.90°
To convert a Magnetic Direction to a True Direction, Add 8.91° East
To convert a True Direction to a Grid Direction, Subtract 0.41°

SECTION DETAILS

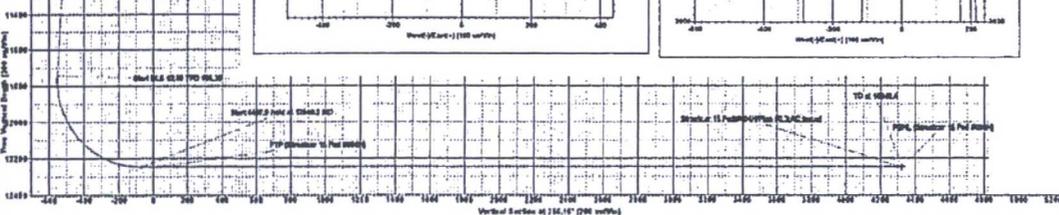
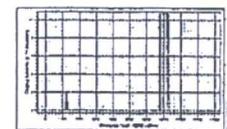
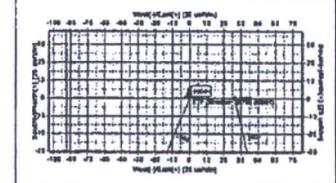
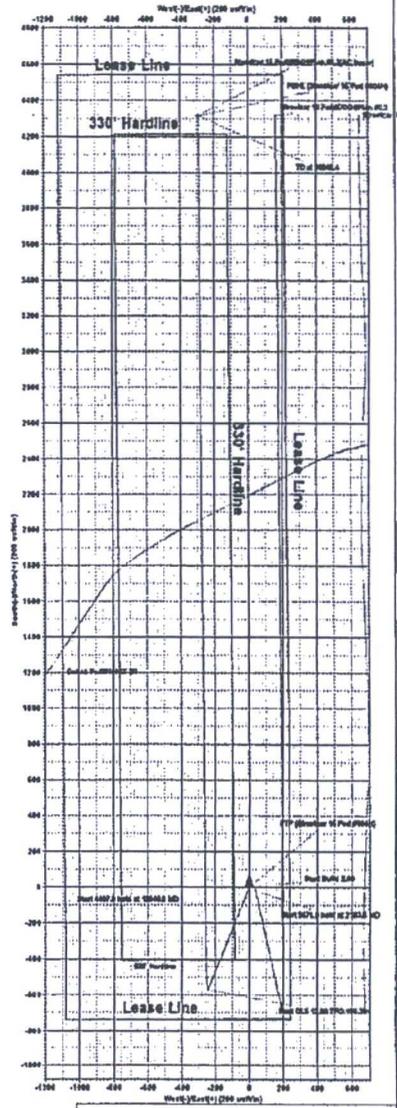
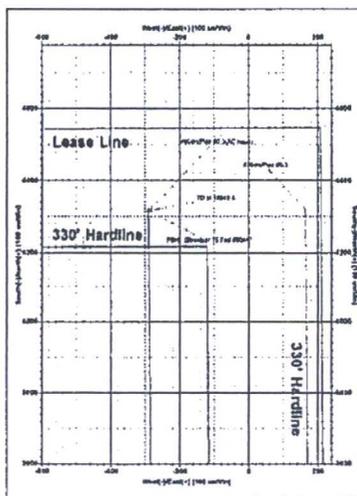
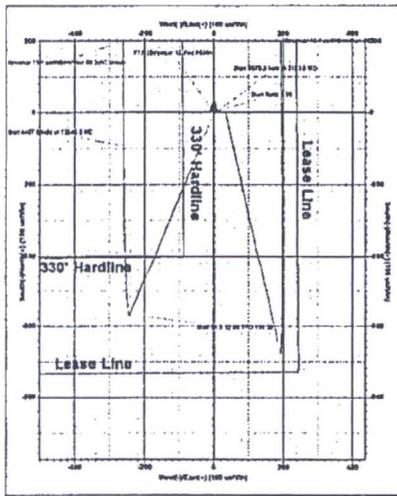
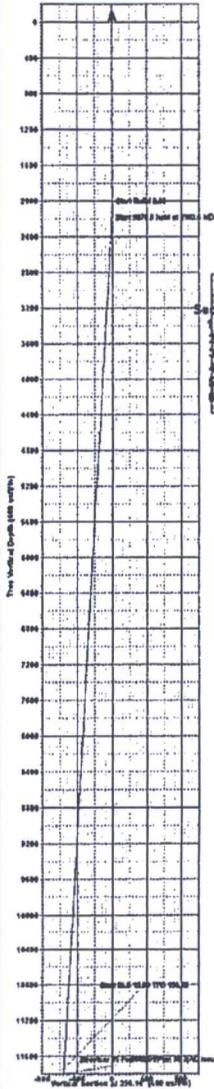
MD	Inc	Azi	TVD	+N-S	+E-W	Dleg	TFace	Vsect	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2000.0	0.00	0.00	2000.0	0.0	0.0	0.00	0.00	0.0	
2183.5	3.67	203.18	2183.5	-5.4	-2.3	2.00	203.18	-5.2	
11782.5	3.67	203.18	11742.7	-569.3	-243.8	0.00	0.00	-551.7	
12540.5	90.00	359.61	12248.0	-92.8	-260.0	12.00	156.39	-75.2	
16948.4	90.00	359.61	12248.0	4315.0	-290.0	0.00	0.00	4324.7	PBHL (Streetcar 15 Fed #604H)

CASING DETAILS

No casing data is available

WELLBORE TARGET DETAILS (MAP CO-ORDINATES)

Name	TVD	+N-S	+E-W	Northing	Easting
PBHL (Streetcar 15 Fed #604H)	12248.0	4315.0	-290.0	410186.00	780430.00
FTP (Streetcar 15 Fed #604H)	12248.0	0.0	0.0	410186.00	780430.00





EOG Resources - Midland

Lea County, NM (NAD 83 NME)

Streetcar 15 Fed

#604H

OH

Plan: Plan #0.3(AC issue)

Standard Planning Report

22 February, 2018



Planning Report

Database: EDM 5000.14
 Company: EOG Resources - Midland
 Project: Lea County, NM (NAD 83 NME)
 Site: Streetcar 15 Fed
 Well: #604H
 Wellbore: OH
 Design: Plan #0.3(AC issue)

Local Co-ordinate Reference: Well #604H
 TVD Reference: KB = 25' @ 3387.0usft
 MD Reference: KB = 25' @ 3387.0usft
 North Reference: Grid
 Survey Calculation Method: Minimum Curvature

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	#604H					
Well Position	+N/-S	466.0 usft	Northing:	410,180.00 usft	Latitude:	32° 7' 31.109 N
	+E/-W	-2,250.0 usft	Easting:	780,430.00 usft	Longitude:	103° 33' 39.584 W
Position Uncertainty	0.0 usft		Wellhead Elevation:		Ground Level:	3,362.0 usft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	9/29/2017	6.91	59.97	47,851.73984080

Design	Plan #0.3(AC issue)				
Audit Notes:					
Version:	Phase:	PLAN	Tie On Depth:	0.0	
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)	
	0.0	0.0	0.0	356.16	

Plan Survey Tool Program	Date	2/22/2018			
Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks	
1	0.0	16,948.4 Plan #0.3(AC issue) (OH)	MWD	OWSG MWD - Standard	

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	
2,000.0	0.00	0.00	2,000.0	0.0	0.0	0.00	0.00	0.00	0.00	
2,183.6	3.67	203.18	2,183.5	-5.4	-2.3	2.00	2.00	0.00	203.18	
11,762.5	3.67	203.18	11,742.7	-569.3	-243.8	0.00	0.00	0.00	0.00	
12,540.5	90.00	359.61	12,248.0	-92.8	-260.0	12.00	11.10	20.11	156.39	
16,948.4	90.00	359.61	12,248.0	4,315.0	-290.0	0.00	0.00	0.00	0.00	PBHL (Streetcar 15 F-



Planning Report

Database: EDM 5000.14
 Company: EOG Resources - Midland
 Project: Lea County, NM (NAD 83 NME)
 Site: Streetcar 15 Fed
 Well: #604H
 Wellbore: OH
 Design: Plan #0.3(AC issue)

Local Co-ordinate Reference: Well #604H
 TVD Reference: KB = 25' @ 3387.0usft
 MD Reference: KB = 25' @ 3387.0usft
 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	2.00	203.18	2,100.0	-1.6	-0.7	-1.6	2.00	2.00	0.00
2,183.6	3.67	203.18	2,183.5	-5.4	-2.3	-5.2	2.00	2.00	0.00
2,200.0	3.67	203.18	2,199.8	-6.4	-2.7	-6.2	0.00	0.00	0.00
2,300.0	3.67	203.18	2,299.6	-12.3	-5.2	-11.9	0.00	0.00	0.00
2,400.0	3.67	203.18	2,399.4	-18.1	-7.8	-17.6	0.00	0.00	0.00
2,500.0	3.67	203.18	2,499.2	-24.0	-10.3	-23.3	0.00	0.00	0.00
2,600.0	3.67	203.18	2,599.0	-29.9	-12.8	-29.0	0.00	0.00	0.00
2,700.0	3.67	203.18	2,698.8	-35.8	-15.3	-34.7	0.00	0.00	0.00
2,800.0	3.67	203.18	2,798.6	-41.7	-17.9	-40.4	0.00	0.00	0.00
2,900.0	3.67	203.18	2,898.4	-47.6	-20.4	-46.1	0.00	0.00	0.00
3,000.0	3.67	203.18	2,998.2	-53.5	-22.9	-51.8	0.00	0.00	0.00
3,100.0	3.67	203.18	3,098.0	-59.4	-25.4	-57.5	0.00	0.00	0.00
3,200.0	3.67	203.18	3,197.8	-65.2	-27.9	-63.2	0.00	0.00	0.00
3,300.0	3.67	203.18	3,297.6	-71.1	-30.5	-68.9	0.00	0.00	0.00
3,400.0	3.67	203.18	3,397.4	-77.0	-33.0	-74.6	0.00	0.00	0.00
3,500.0	3.67	203.18	3,497.2	-82.9	-35.5	-80.3	0.00	0.00	0.00
3,600.0	3.67	203.18	3,597.0	-88.8	-38.0	-86.0	0.00	0.00	0.00
3,700.0	3.67	203.18	3,696.8	-94.7	-40.5	-91.7	0.00	0.00	0.00
3,800.0	3.67	203.18	3,796.6	-100.6	-43.1	-97.5	0.00	0.00	0.00
3,900.0	3.67	203.18	3,896.4	-106.5	-45.6	-103.2	0.00	0.00	0.00
4,000.0	3.67	203.18	3,996.1	-112.3	-48.1	-108.9	0.00	0.00	0.00
4,100.0	3.67	203.18	4,095.9	-118.2	-50.6	-114.6	0.00	0.00	0.00
4,200.0	3.67	203.18	4,195.7	-124.1	-53.1	-120.3	0.00	0.00	0.00
4,300.0	3.67	203.18	4,295.5	-130.0	-55.7	-126.0	0.00	0.00	0.00
4,400.0	3.67	203.18	4,395.3	-135.9	-58.2	-131.7	0.00	0.00	0.00
4,500.0	3.67	203.18	4,495.1	-141.8	-60.7	-137.4	0.00	0.00	0.00
4,600.0	3.67	203.18	4,594.9	-147.7	-63.2	-143.1	0.00	0.00	0.00
4,700.0	3.67	203.18	4,694.7	-153.6	-65.8	-148.8	0.00	0.00	0.00
4,800.0	3.67	203.18	4,794.5	-159.4	-68.3	-154.5	0.00	0.00	0.00
4,900.0	3.67	203.18	4,894.3	-165.3	-70.8	-160.2	0.00	0.00	0.00
5,000.0	3.67	203.18	4,994.1	-171.2	-73.3	-165.9	0.00	0.00	0.00
5,100.0	3.67	203.18	5,093.9	-177.1	-75.8	-171.6	0.00	0.00	0.00
5,200.0	3.67	203.18	5,193.7	-183.0	-78.4	-177.3	0.00	0.00	0.00



Planning Report

Database: EDM 5000.14
 Company: EOG Resources - Midland
 Project: Lea County, NM (NAD 83 NME)
 Site: Streetcar 15 Fed
 Well: #604H
 Wellbore: OH
 Design: Plan #0.3(AC issue)

Local Co-ordinate Reference: Well #604H
 TVD Reference: KB = 25' @ 3387.0usft
 MD Reference: KB = 25' @ 3387.0usft
 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	3.67	203.18	5,293.5	-188.9	-80.9	-183.0	0.00	0.00	0.00
5,400.0	3.67	203.18	5,393.3	-194.8	-83.4	-188.7	0.00	0.00	0.00
5,500.0	3.67	203.18	5,493.1	-200.7	-85.9	-194.4	0.00	0.00	0.00
5,600.0	3.67	203.18	5,592.9	-206.5	-88.4	-200.1	0.00	0.00	0.00
5,700.0	3.67	203.18	5,692.7	-212.4	-91.0	-205.8	0.00	0.00	0.00
5,800.0	3.67	203.18	5,792.5	-218.3	-93.5	-211.6	0.00	0.00	0.00
5,900.0	3.67	203.18	5,892.2	-224.2	-96.0	-217.3	0.00	0.00	0.00
6,000.0	3.67	203.18	5,992.0	-230.1	-98.5	-223.0	0.00	0.00	0.00
6,100.0	3.67	203.18	6,091.8	-236.0	-101.0	-228.7	0.00	0.00	0.00
6,200.0	3.67	203.18	6,191.6	-241.9	-103.6	-234.4	0.00	0.00	0.00
6,300.0	3.67	203.18	6,291.4	-247.8	-106.1	-240.1	0.00	0.00	0.00
6,400.0	3.67	203.18	6,391.2	-253.6	-108.6	-245.8	0.00	0.00	0.00
6,500.0	3.67	203.18	6,491.0	-259.5	-111.1	-251.5	0.00	0.00	0.00
6,600.0	3.67	203.18	6,590.8	-265.4	-113.6	-257.2	0.00	0.00	0.00
6,700.0	3.67	203.18	6,690.6	-271.3	-116.2	-262.9	0.00	0.00	0.00
6,800.0	3.67	203.18	6,790.4	-277.2	-118.7	-268.6	0.00	0.00	0.00
6,900.0	3.67	203.18	6,890.2	-283.1	-121.2	-274.3	0.00	0.00	0.00
7,000.0	3.67	203.18	6,990.0	-289.0	-123.7	-280.0	0.00	0.00	0.00
7,100.0	3.67	203.18	7,089.8	-294.8	-126.3	-285.7	0.00	0.00	0.00
7,200.0	3.67	203.18	7,189.6	-300.7	-128.8	-291.4	0.00	0.00	0.00
7,300.0	3.67	203.18	7,289.4	-306.6	-131.3	-297.1	0.00	0.00	0.00
7,400.0	3.67	203.18	7,389.2	-312.5	-133.8	-302.8	0.00	0.00	0.00
7,500.0	3.67	203.18	7,489.0	-318.4	-136.3	-308.5	0.00	0.00	0.00
7,600.0	3.67	203.18	7,588.8	-324.3	-138.9	-314.2	0.00	0.00	0.00
7,700.0	3.67	203.18	7,688.5	-330.2	-141.4	-319.9	0.00	0.00	0.00
7,800.0	3.67	203.18	7,788.3	-336.1	-143.9	-325.7	0.00	0.00	0.00
7,900.0	3.67	203.18	7,888.1	-341.9	-146.4	-331.4	0.00	0.00	0.00
8,000.0	3.67	203.18	7,987.9	-347.8	-148.9	-337.1	0.00	0.00	0.00
8,100.0	3.67	203.18	8,087.7	-353.7	-151.5	-342.8	0.00	0.00	0.00
8,200.0	3.67	203.18	8,187.5	-359.6	-154.0	-348.5	0.00	0.00	0.00
8,300.0	3.67	203.18	8,287.3	-365.5	-156.5	-354.2	0.00	0.00	0.00
8,400.0	3.67	203.18	8,387.1	-371.4	-159.0	-359.9	0.00	0.00	0.00
8,500.0	3.67	203.18	8,486.9	-377.3	-161.5	-365.6	0.00	0.00	0.00
8,600.0	3.67	203.18	8,586.7	-383.2	-164.1	-371.3	0.00	0.00	0.00
8,700.0	3.67	203.18	8,686.5	-389.0	-166.6	-377.0	0.00	0.00	0.00
8,800.0	3.67	203.18	8,786.3	-394.9	-169.1	-382.7	0.00	0.00	0.00
8,900.0	3.67	203.18	8,886.1	-400.8	-171.6	-388.4	0.00	0.00	0.00
9,000.0	3.67	203.18	8,985.9	-406.7	-174.1	-394.1	0.00	0.00	0.00
9,100.0	3.67	203.18	9,085.7	-412.6	-176.7	-399.8	0.00	0.00	0.00
9,200.0	3.67	203.18	9,185.5	-418.5	-179.2	-405.5	0.00	0.00	0.00
9,300.0	3.67	203.18	9,285.3	-424.4	-181.7	-411.2	0.00	0.00	0.00
9,400.0	3.67	203.18	9,385.1	-430.3	-184.2	-416.9	0.00	0.00	0.00
9,500.0	3.67	203.18	9,484.9	-436.1	-186.8	-422.6	0.00	0.00	0.00
9,600.0	3.67	203.18	9,584.6	-442.0	-189.3	-428.3	0.00	0.00	0.00
9,700.0	3.67	203.18	9,684.4	-447.9	-191.8	-434.0	0.00	0.00	0.00
9,800.0	3.67	203.18	9,784.2	-453.8	-194.3	-439.8	0.00	0.00	0.00
9,900.0	3.67	203.18	9,884.0	-459.7	-196.8	-445.5	0.00	0.00	0.00
10,000.0	3.67	203.18	9,983.8	-465.6	-199.4	-451.2	0.00	0.00	0.00
10,100.0	3.67	203.18	10,083.6	-471.5	-201.9	-456.9	0.00	0.00	0.00
10,200.0	3.67	203.18	10,183.4	-477.4	-204.4	-462.6	0.00	0.00	0.00
10,300.0	3.67	203.18	10,283.2	-483.2	-206.9	-468.3	0.00	0.00	0.00
10,400.0	3.67	203.18	10,383.0	-489.1	-209.4	-474.0	0.00	0.00	0.00
10,500.0	3.67	203.18	10,482.8	-495.0	-212.0	-479.7	0.00	0.00	0.00
10,600.0	3.67	203.18	10,582.6	-500.9	-214.5	-485.4	0.00	0.00	0.00



Planning Report

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 Site: Streetcar 15 Fed
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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)
10,700.0	3.67	203.18	10,682.4	-506.8	-217.0	-491.1	0.00	0.00	0.00
10,800.0	3.67	203.18	10,782.2	-512.7	-219.5	-496.8	0.00	0.00	0.00
10,900.0	3.67	203.18	10,882.0	-518.6	-222.0	-502.5	0.00	0.00	0.00
11,000.0	3.67	203.18	10,981.8	-524.5	-224.6	-508.2	0.00	0.00	0.00
11,100.0	3.67	203.18	11,081.6	-530.3	-227.1	-513.9	0.00	0.00	0.00
11,200.0	3.67	203.18	11,181.4	-536.2	-229.6	-519.6	0.00	0.00	0.00
11,300.0	3.67	203.18	11,281.2	-542.1	-232.1	-525.3	0.00	0.00	0.00
11,400.0	3.67	203.18	11,381.0	-548.0	-234.6	-531.0	0.00	0.00	0.00
11,500.0	3.67	203.18	11,480.7	-553.9	-237.2	-536.7	0.00	0.00	0.00
11,600.0	3.67	203.18	11,580.5	-559.8	-239.7	-542.4	0.00	0.00	0.00
11,700.0	3.67	203.18	11,680.3	-565.7	-242.2	-548.1	0.00	0.00	0.00
11,762.5	3.67	203.18	11,742.7	-569.3	-243.8	-551.7	0.00	0.00	0.00
11,775.0	2.37	217.90	11,755.2	-569.9	-244.1	-552.3	12.00	-10.38	117.45
11,800.0	1.86	307.39	11,780.2	-570.1	-244.7	-552.4	12.00	-2.05	357.95
11,825.0	4.39	340.09	11,805.1	-568.9	-245.4	-551.2	12.00	10.13	130.81
11,850.0	7.29	348.04	11,830.0	-566.5	-246.0	-548.7	12.00	11.58	31.77
11,875.0	10.24	351.45	11,854.7	-562.7	-246.7	-544.9	12.00	11.82	13.65
11,900.0	13.22	353.34	11,879.2	-557.7	-247.4	-539.8	12.00	11.90	7.57
11,925.0	16.20	354.54	11,903.4	-551.4	-248.0	-533.5	12.00	11.94	4.82
11,950.0	19.19	355.38	11,927.2	-543.8	-248.7	-525.9	12.00	11.96	3.35
11,975.0	22.19	356.00	11,950.6	-535.0	-249.4	-517.1	12.00	11.97	2.48
12,000.0	25.18	356.48	11,973.5	-525.0	-250.0	-507.0	12.00	11.98	1.92
12,025.0	28.17	356.86	11,995.8	-513.8	-250.7	-495.8	12.00	11.98	1.53
12,050.0	31.17	357.18	12,017.5	-501.4	-251.3	-483.4	12.00	11.98	1.26
12,075.0	34.17	357.44	12,038.6	-487.9	-251.9	-469.9	12.00	11.99	1.06
12,100.0	37.16	357.67	12,058.9	-473.4	-252.6	-455.4	12.00	11.99	0.91
12,125.0	40.16	357.87	12,078.4	-457.8	-253.2	-439.8	12.00	11.99	0.79
12,150.0	43.16	358.04	12,097.1	-441.2	-253.8	-423.2	12.00	11.99	0.70
12,175.0	46.16	358.20	12,114.8	-423.6	-254.3	-405.6	12.00	11.99	0.62
12,200.0	49.16	358.34	12,131.7	-405.1	-254.9	-387.1	12.00	11.99	0.56
12,225.0	52.15	358.47	12,147.5	-385.8	-255.4	-367.8	12.00	11.99	0.52
12,250.0	55.15	358.59	12,162.3	-365.7	-255.9	-347.7	12.00	11.99	0.47
12,275.0	58.15	358.70	12,176.1	-344.8	-256.4	-326.8	12.00	11.99	0.44
12,300.0	61.15	358.80	12,188.7	-323.2	-256.9	-305.3	12.00	11.99	0.41
12,325.0	64.15	358.90	12,200.2	-301.0	-257.4	-283.1	12.00	11.99	0.39
12,350.0	67.15	358.99	12,210.5	-278.3	-257.8	-260.4	12.00	12.00	0.37
12,375.0	70.15	359.08	12,219.6	-255.0	-258.2	-237.1	12.00	12.00	0.36
12,400.0	73.14	359.16	12,227.5	-231.3	-258.5	-213.4	12.00	12.00	0.34
12,425.0	76.14	359.25	12,234.1	-207.2	-258.9	-189.4	12.00	12.00	0.33
12,450.0	79.14	359.33	12,239.5	-182.8	-259.2	-165.0	12.00	12.00	0.32
12,475.0	82.14	359.41	12,243.5	-158.1	-259.4	-140.3	12.00	12.00	0.32
12,500.0	85.14	359.49	12,246.3	-133.3	-259.7	-115.5	12.00	12.00	0.31
12,525.0	88.14	359.56	12,247.7	-108.3	-259.9	-90.6	12.00	12.00	0.31
12,540.5	90.00	359.61	12,248.0	-92.8	-260.0	-75.2	12.00	12.00	0.31
12,600.0	90.00	359.61	12,248.0	-33.3	-260.4	-15.8	0.00	0.00	0.00
12,631.5	90.00	359.61	12,248.0	-1.8	-260.6	15.7	0.00	0.00	0.00
FTP (Streetcar 15 Fed #604H)									
12,700.0	90.00	359.61	12,248.0	66.7	-261.1	84.0	0.00	0.00	0.00
12,800.0	90.00	359.61	12,248.0	166.7	-261.8	183.9	0.00	0.00	0.00
12,900.0	90.00	359.61	12,248.0	266.7	-262.4	283.7	0.00	0.00	0.00
13,000.0	90.00	359.61	12,248.0	366.7	-263.1	383.5	0.00	0.00	0.00
13,100.0	90.00	359.61	12,248.0	466.7	-263.8	483.3	0.00	0.00	0.00
13,200.0	90.00	359.61	12,248.0	566.7	-264.5	583.1	0.00	0.00	0.00



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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)	
13,300.0	90.00	359.61	12,248.0	666.7	-265.2	683.0	0.00	0.00	0.00	
13,400.0	90.00	359.61	12,248.0	766.7	-265.8	782.8	0.00	0.00	0.00	
13,500.0	90.00	359.61	12,248.0	866.7	-266.5	882.6	0.00	0.00	0.00	
13,600.0	90.00	359.61	12,248.0	966.7	-267.2	982.4	0.00	0.00	0.00	
13,700.0	90.00	359.61	12,248.0	1,066.7	-267.9	1,082.2	0.00	0.00	0.00	
13,800.0	90.00	359.61	12,248.0	1,166.7	-268.6	1,182.0	0.00	0.00	0.00	
13,900.0	90.00	359.61	12,248.0	1,266.7	-269.3	1,281.9	0.00	0.00	0.00	
14,000.0	90.00	359.61	12,248.0	1,366.7	-269.9	1,381.7	0.00	0.00	0.00	
14,100.0	90.00	359.61	12,248.0	1,466.7	-270.6	1,481.5	0.00	0.00	0.00	
14,200.0	90.00	359.61	12,248.0	1,566.7	-271.3	1,581.3	0.00	0.00	0.00	
14,300.0	90.00	359.61	12,248.0	1,666.7	-272.0	1,681.1	0.00	0.00	0.00	
14,400.0	90.00	359.61	12,248.0	1,766.7	-272.7	1,781.0	0.00	0.00	0.00	
14,500.0	90.00	359.61	12,248.0	1,866.6	-273.3	1,880.8	0.00	0.00	0.00	
14,600.0	90.00	359.61	12,248.0	1,966.6	-274.0	1,980.6	0.00	0.00	0.00	
14,700.0	90.00	359.61	12,248.0	2,066.6	-274.7	2,080.4	0.00	0.00	0.00	
14,800.0	90.00	359.61	12,248.0	2,166.6	-275.4	2,180.2	0.00	0.00	0.00	
14,900.0	90.00	359.61	12,248.0	2,266.6	-276.1	2,280.0	0.00	0.00	0.00	
15,000.0	90.00	359.61	12,248.0	2,366.6	-276.7	2,379.9	0.00	0.00	0.00	
15,100.0	90.00	359.61	12,248.0	2,466.6	-277.4	2,479.7	0.00	0.00	0.00	
15,200.0	90.00	359.61	12,248.0	2,566.6	-278.1	2,579.5	0.00	0.00	0.00	
15,300.0	90.00	359.61	12,248.0	2,666.6	-278.8	2,679.3	0.00	0.00	0.00	
15,400.0	90.00	359.61	12,248.0	2,766.6	-279.5	2,779.1	0.00	0.00	0.00	
15,500.0	90.00	359.61	12,248.0	2,866.6	-280.1	2,879.0	0.00	0.00	0.00	
15,600.0	90.00	359.61	12,248.0	2,966.6	-280.8	2,978.8	0.00	0.00	0.00	
15,700.0	90.00	359.61	12,248.0	3,066.6	-281.5	3,078.6	0.00	0.00	0.00	
15,800.0	90.00	359.61	12,248.0	3,166.6	-282.2	3,178.4	0.00	0.00	0.00	
15,900.0	90.00	359.61	12,248.0	3,266.6	-282.9	3,278.2	0.00	0.00	0.00	
16,000.0	90.00	359.61	12,248.0	3,366.6	-283.5	3,378.1	0.00	0.00	0.00	
16,100.0	90.00	359.61	12,248.0	3,466.6	-284.2	3,477.9	0.00	0.00	0.00	
16,200.0	90.00	359.61	12,248.0	3,566.6	-284.9	3,577.7	0.00	0.00	0.00	
16,300.0	90.00	359.61	12,248.0	3,666.6	-285.6	3,677.5	0.00	0.00	0.00	
16,400.0	90.00	359.61	12,248.0	3,766.6	-286.3	3,777.3	0.00	0.00	0.00	
16,500.0	90.00	359.61	12,248.0	3,866.6	-286.9	3,877.1	0.00	0.00	0.00	
16,600.0	90.00	359.61	12,248.0	3,966.6	-287.6	3,977.0	0.00	0.00	0.00	
16,700.0	90.00	359.61	12,248.0	4,066.6	-288.3	4,076.8	0.00	0.00	0.00	
16,800.0	90.00	359.61	12,248.0	4,166.6	-289.0	4,176.6	0.00	0.00	0.00	
16,900.0	90.00	359.61	12,248.0	4,266.6	-289.7	4,276.4	0.00	0.00	0.00	
16,948.4	90.00	359.61	12,248.0	4,315.0	-290.0	4,324.7	0.00	0.00	0.00	

PBHL (Streetcar 15 Fed #604H)

Design Targets										
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude	
FTP (Streetcar 15 Fed # - hit/miss target - Shape	0.00	0.00	12,248.0	0.0	0.0	410,180.00	780,430.00	32° 7' 31.109 N	103° 33' 39.584 W	
- plan misses target center by 260.6usft at 12631.5usft MD (12248.0 TVD, -1.8 N, -260.6 E)										
- Point										
PBHL (Streetcar 15 Fed - plan hits target center - Point	0.00	0.00	12,248.0	4,315.0	-290.0	414,495.00	780,140.00	32° 8' 13.828 N	103° 33' 42.597 W	



Planning Report

Database: EDM 5000.14
Company: EOG Resources - Midland
Project: Lea County, NM (NAD 83 NME)
Site: Streetcar 15 Fed
Well: #604H
Wellbore: OH
Design: Plan #0.3(AC issue)

Local Co-ordinate Reference: Well #604H
TVD Reference: KB = 25' @ 3387.0usft
MD Reference: KB = 25' @ 3387.0usft
North Reference: Grid
Survey Calculation Method: Minimum Curvature

STANDARD STIPULATIONS FOR OIL AND GAS RELATED SITES

A copy of the application (Grant/Sundry Notice) and attachments, including stipulations and map, will be on location during construction. BLM personnel may request to view a copy of your permit during construction to ensure compliance with all stipulations.

The holder agrees to comply with the following stipulations to the satisfaction of the Authorized Officer, BLM.

1. The holder shall indemnify the United States against any liability for damage to life or property arising from the occupancy or use of public lands under this grant and for all response costs, penalties, damages, claims, and other costs arising from the provisions of the Resource Conservation and Recovery Act (RCRA), 42 U.S.C. Chap. 82, Section 6901 et. seq., from the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA), 42 U.S.C. Chap. 109, Section 9601 et. seq., and from other applicable environmental statutes.
2. The holder shall comply with all applicable Federal laws and regulations existing or hereafter enacted or promulgated. In any event, the holder shall comply with the Toxic Substances Control Act of 1976, as amended (15 U.S.C. 2601, et. seq.) with regard to any toxic substances that are used, generated by or stored on the right-of-way or on facilities authorized by this grant. (See 40 CFR, Part 702-799 and especially, provisions on polychlorinated biphenyls, 40 CFR 761.1-761.193.) Additionally, any release of toxic substances (leaks, spills, etc.) in excess of the reportable quantity established by 40 CFR, Part 117 shall be reported as required by the Comprehensive Environmental Response, Compensation and Liability Act, Section 102b. A copy of any report required or requested by any Federal agency or State government as a result of a reportable release or spill of any toxic substances shall be furnished to the Authorized Officer concurrent with the filing of the reports to the involved Federal agency or State government.
3. The holder agrees to indemnify the United States against any liability arising from the release of any hazardous substance or hazardous waste (as these terms are defined in the Comprehensive Environmental Response, Compensation and Liability Act of 1980, 42 U.S.C. 9601, et. seq. or the Resource Conservation and Recovery Act, 42 U.S.C. 6901, et. seq.) on the right-of-way (unless the release or threatened release is wholly unrelated to the right-of-way holder's activity on the right-of-way). This agreement applies without regard to whether a release is caused by the holder, its agent, or unrelated third parties.
4. If, during any phase of the construction, operation, maintenance, or termination of the site or related pipeline(s), any oil or other pollutant should be discharged from site facilities, the pipeline(s) or from containers or vehicles impacting Federal lands, the control and total removal, disposal, and cleanup of such oil or other pollutant, wherever found, shall be the responsibility of the holder, regardless of fault. Upon failure of the holder to control, dispose of, or clean up such discharge on or affecting Federal lands, or to repair all damages to Federal lands resulting therefrom, the Authorized Officer may take such measures as deemed necessary to control and cleanup the discharge and restore the area, including, where appropriate, the aquatic environment

and fish and wildlife habitats, at the full expense of the holder. Such action by the Authorized Officer shall not relieve the holder of any liability or responsibility.

5. Sites shall be maintained in an orderly, sanitary condition at all times. Waste materials, both liquid and solid, shall be disposed of promptly at an appropriate, authorized waste disposal facility in accordance with all applicable State and Federal laws. "Waste" means all discarded matter including, but not limited to, human waste, trash, garbage, refuse, petroleum products, brines, chemicals, oil drums, ashes, and equipment.

6. The operator will notify the Bureau of Land Management (BLM) authorized officer and nearest Fish and Wildlife Service (FWS) Law Enforcement office within 24 hours, if the operator discovers a dead or injured federally protected species (i.e., migratory bird species, bald or golden eagle, or species listed by the FWS as threatened or endangered) in or adjacent to a pit, trench, tank, exhaust stack, or fence. (If the operator is unable to contact the FWS Law Enforcement office, the operator must contact the nearest FWS Ecological Services office.)

7. All above-ground structures not subject to safety requirements shall be painted by the holder to blend with the natural color of the landscape. The paint used shall be a color which simulates "Standard Environmental Colors" designated by the Rocky Mountain Five-State Interagency Committee. The color selected for this project is **Shale Green**, Munsell Soil Color Chart Number 5Y 4/2.

8. Any cultural and/or paleontological resource (historic or prehistoric site or object) discovered by the holder, or any person working on the holder's behalf, on public or Federal land shall be immediately reported to the Authorized Officer. The holder shall suspend all operations in the immediate area of such discovery until written authorization to proceed is issued by the Authorized Officer. An evaluation of the discovery will be made by the Authorized Officer to determine appropriate actions to prevent the loss of significant cultural or scientific values. The holder will be responsible for the cost of evaluation and any decision as to the proper mitigation measures will be made by the Authorized Officer after consulting with the holder.

9. A sales contract for removal of mineral material (caliche, sand, gravel, fill dirt) from an authorized pit, site, or on location must be obtained from the BLM prior to commencing construction. There are several options available for purchasing mineral material: contact the BLM office (575-234-5972).

10. The operator shall be held responsible if noxious weeds become established within the areas of operations. Weed control shall be required on the disturbed land where noxious weeds exist, which includes the roads, pads, associated pipeline corridor, and adjacent land affected by the establishment of weeds due to this action. The operator shall consult with the Authorized Officer for acceptable weed control methods, which include following EPA and BLM requirements and policies.

11. Once the site is no longer in service or use, the site must undergo final abandonment. At final abandonment, the site and access roads must undergo "final" reclamation so that the character and productivity of the land are restored. Earthwork for final reclamation must be completed within

six (6) months of the abandonment of the site. All pads and facility locations and roads must be reclaimed to a satisfactory revegetated, safe, and stable condition, unless an agreement is made with the landowner or BLM to keep the road and/or pad intact. After all disturbed areas have been satisfactorily prepared, these areas need to be revegetated with the seed mixture provided. Seeding should be accomplished by drilling on the contour whenever practical or by other approved methods. Seeding may need to be repeated until revegetation is successful, as determined by the BLM.

Operators shall contact a BLM surface protection specialist prior to surface abandonment operations for site specific objectives (Jim Amos: 575-234-5909).

12. The holder shall stockpile an adequate amount of topsoil where blading occurs. The topsoil to be stripped is approximately 6 inches in depth. The topsoil will be segregated from other spoil piles. The topsoil will be used for final reclamation.

13. The holder will reseed all disturbed areas. Seeding will be done according to the attached seeding requirements, using the following seed mix.

- | | |
|--|--|
| <input type="checkbox"/> seed mixture 1 | <input type="checkbox"/> seed mixture 3 |
| <input type="checkbox"/> seed mixture 2 | <input type="checkbox"/> seed mixture 4 |
| <input checked="" type="checkbox"/> seed mixture 2/LPC | <input type="checkbox"/> Aplomado Falcon Mixture |

14. In those areas where erosion control structures are required to stabilize soil conditions, the holder shall install such structures as are suitable for the specific soil conditions being encountered and which are in accordance with sound management practices. Any earth work will require prior approval by the Authorized Officer.

15. Open-topped Tanks - The operator will take actions necessary to prevent wildlife and livestock access, including avian wildlife, to all open-topped tanks that contain or have the potential to contain salinity sufficient to cause harm to wildlife or livestock, hydrocarbons, or Resource Conservation and Recovery Act of 1976-exempt hazardous substances. At a minimum, the operator will net, screen, or cover open-topped tanks to exclude wildlife and livestock and prevent mortality. If the operator uses netting, the operator will cover and secure the open portion of the tank to prevent wildlife entry. The operator will net, screen, or cover the tanks until the operator removes the tanks from the location or the tanks no longer contain substances that could be harmful to wildlife or livestock. Use a maximum netting mesh size of 1 ½ inches. The netting must not be in contact with fluids and must not have holes or gaps

16. The operator will prevent all hazardous, poisonous, flammable, and toxic substances from coming into contact with soil and water. At a minimum, the operator will install and maintain an impervious secondary containment system for any tank or barrel containing hazardous, poisonous, flammable, or toxic substances sufficient to contain the contents of the tank or barrel and any drips, leaks, and anticipated precipitation. The operator will dispose of fluids within the containment system that do not meet applicable state or U. S. Environmental Protection Agency livestock water standards in accordance with state law; the operator must not drain the fluids to the soil or ground. The operator will design, construct, and maintain all secondary containment systems to prevent wildlife and livestock exposure to harmful substances. At a minimum, the

operator will install effective wildlife and livestock enclosure systems such as fencing, netting, expanded metal mesh, lids, and grate covers. Use a maximum netting mesh size of 1 ½ inches.

17. Open-Vent Exhaust Stack Enclosures – The operator will construct, modify, equip, and maintain all open-vent exhaust stacks on production equipment to prevent birds and bats from entering, and to discourage perching, roosting, and nesting. (Recommended enclosure structures on open-vent exhaust stacks are in the shape of a cone.) Production equipment includes, but may not be limited to, tanks, heater-treaters, separators, dehydrators, flare stacks, in-line units, and compressor mufflers.

18. Containment Structures - Proposed production facilities such as storage tanks and other vessels will have a secondary containment structure that is constructed to hold the capacity of 1.5 times the largest tank, plus freeboard to account for precipitation, unless more stringent protective requirements are deemed necessary.

19. Special Stipulations:

Lesser Prairie-Chicken

Oil and gas activities will not be allowed in lesser prairie-chicken habitat during the period from March 1st through June 15th annually. During that period, other activities that produce noise or involve human activity, such as the maintenance of oil and gas facilities, geophysical exploration other than 3-D operations, and pipeline, road, and well pad construction, will be allowed except between 3:00 am and 9:00 am. The 3:00 am to 9:00 am restriction will not apply to normal, around-the-clock operations, such as venting, flaring, or pumping, which do not require a human presence during this period. Normal vehicle use on existing roads will not be restricted. Exhaust noise from permanent engines must be muffled or otherwise controlled so as not to exceed 75 db measured at 30 ft. from the source of the noise.

This authorization is subject to your Certificate of Participation and/or Certificate of Inclusion under the New Mexico Candidate Conservation Agreement. Because it involves surface disturbing activities covered under your Certificate, your Habitat Conservation Fund Account with the Center of Excellence for Hazardous Materials Management (CEHMM) will be debited according to Exhibit B Part 2 of the Certificate of Participation.

Tank Battery:

Tank battery locations will be lined and bermed. A 20 mil permanent liner will be installed with a 4 oz. felt backing to prevent tears or punctures. Tank battery berms must be large enough to contain 1 ½ times the content of the largest tank or 24 hour production, whichever is greater.

Automatic shut off, check valves, or similar systems will be installed for tanks to minimize the effects of catastrophic line failures used in production or drilling.

Watershed/Water Quality:

Any water erosion that occurs to either the pad or pipeline will be quickly corrected and proper measures will be taken to prevent future erosion.

The entire well pad will be bermed to prevent oil, salt, and other chemical contaminants from leaving the well pad. Topsoil shall not be used to construct the berm. No water flow from the uphill side(s) of the pad

shall be allowed to enter the well pad. The berm shall be maintained through the life of the well and after interim reclamation has been completed. Topsoil will be stockpiled in an appropriate location to prevent loss of soil, due to water or wind erosion, and will not be used for berming or erosion control.