Form 3160-3 (June 2015)				FORM A OMB No Expires: Ja	o. 1004-0	137		
UNITED STAT DEPARTMENT OF THE	e inte			5. Lease Serial No.				
BUREAU OF LAND MA	NAGE	MENT		NMNM139384				
APPLICATION FOR PERMIT TO	DRIL	L OR REENTER		6. If Indian, Allotee	or Tribe	Name		
1a. Type of work:	REENT	TER		7. If Unit or CA Agr	eement, l	Name and No.		
1b. Type of Well:	Other			8. Lease Name and V	Wall No			
1c. Type of Completion: Hydraulic Fracturing] Single 2	Zone 🖌 Multiple Zone		TORINO 02 FED				
2. Name of Operator EOG RESOURCES INCORPORATED				9. API Well No. 30-043-21437				
3a. Address		Phone No. <i>(include area co</i> 2) 686-3600	de)	10. Field and Pool, of WILDCAT/OIL W	-	-		
4. Location of Well (<i>Report location clearly and in accordance</i> At surface SWSW / 736 FSL / 507 FWL / LAT 36.07	7183 / LO	ONG -107.233156		11. Sec., T. R. M. or SEC 2/T21N/R4W/		Survey or Area		
At proposed prod. zone NENW / 236 FNL / 1901 FWL	./LAT 3	36.083085 / LONG -107.2	246246					
14. Distance in miles and direction from nearest town or post 20 miles	office*			12. County or Parish SANDOVAL	1	13. State NM		
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig, unit line, if any)	16.	No of acres in lease	17. Spaci 379.5	ng Unit dedicated to th	his well			
 Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. 		Proposed Depth 1 feet / 10750 feet	20. BLM FED:	/BIA Bond No. in file				
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 7099 feet		Approximate date work wil 31/2020	l start*	23. Estimated durati 60 days	on			
	24	. Attachments		·				
The following, completed in accordance with the requirement (as applicable)	s of Onsl	nore Oil and Gas Order No.	1, and the I	Hydraulic Fracturing r	ule per 4	3 CFR 3162.3-3		
 Well plat certified by a registered surveyor. A Drilling Plan. A Surface Use Plan (if the location is on National Forest Sy SUPO must be filed with the appropriate Forest Service Official Service Official Service Official Service Official Service Serv		Item 20 above) nds, the 5. Operator certif	ication.	ns unless covered by ar rmation and/or plans as	-	×		
25. Signature (Electronic Submission)		Name (Printed/Typed) LACEY GRANILLO / P	Ph: (713) 65	51-7000	Date 12/04/2	2020		
Title								
Contractor Regulatory Specialist		1			_			
Approved by (Signature) (Electronic Submission)		Name (Printed/Typed) DAVE J MANKIEWICZ	/ Ph: (505)	564-7761	Date 03/30/2	2021		
Title AFM-Minerals		Office Farmington Field Office)					
Application approval does not warrant or certify that the appli applicant to conduct operations thereon. Conditions of approval, if any, are attached.	cant hold	Is legal or equitable title to	those rights	in the subject lease wh	hich wou	ld entitle the		
Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212 of the United States any false, fictitious or fraudulent statement					iny depar	tment or agency		



(Continued on page 2)

*(Instructions on page 2)

Received by OCD: 4/21/2021 9:04:48 AM 1625 N. French Drive, Hobbs, NM 88240 Phone: (575) 393–6161 Fax: (575) 393–0720

State of New Mexico Energy, Minerals & Natural Resources Department Form C**Page 2 of 25** Revised August 1, 2011

Submit one copy to Appropriate District Office

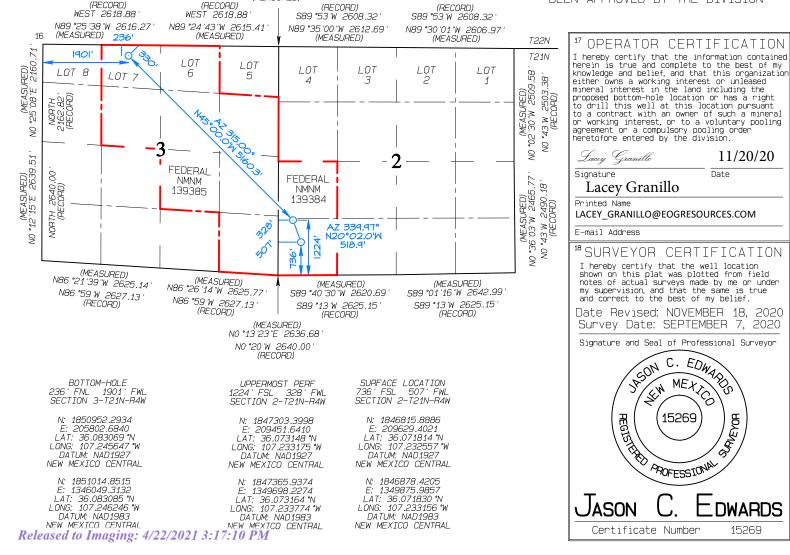
AMENDED REPORT

District II 811 S. First Street, 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 Drive, Santa Fe, NM 87505 Phone: (505) 476-3460 Fax: (505) 476-3462

OIL CONSERVATION DIVISION

1220 South St. Francis Drive Santa Fe, NM 87505

		W	IELL I	_OCATIC	ON AND AC	CREAGE DEDIC						
ر1 30-043-2143	API Numbe 7	r	0.9	²Pool Cod 350	le	³ Pool Name WILDCAT OIL WC 21N4W6;GALLUP						
⁴ Property 330662	Code		98	.350		ty Name 02 FED				°Well Number 605H		
'OGRID 7377			*Operator Name *Elevation EOG RESOURCES, INC 7099'									
					¹⁰ Surface	Location						
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/We	est line	County		
М	2	21N	4W		736	SOUTH	507	WE	ST	SANDOVAL		
		11	Botto	m Hole	Location	If Different F	- rom Surfac	e				
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/We	est line	County		
С	З	21N	4W	7	236	NORTH	1901	WE	ST	SANDOVAL		
¹² Dedicated Acres 379.50 ¹³ Joint or Infill ¹⁴ Consolidation Code						¹⁵ Order No.						
(RECORD) N0 °20 W 2440.68 ' N0 °08 '11'E 2440.30 ' (MEASURED) (RECORD) (RECORD)						(75000)	TO	STS H	OMPLET AVE BE	ION UNTIL AL EN CONSOLIDA ARD UNIT HAS		



District I 1625 N. French Dr., Hobbs, NM 88240 District II 811 S. First St., Artesia, NM 88210 District III 1000 Rio Brazos Road, Aztec, NM 87410 District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505

Submit Original to Appropriate District Office

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505

GAS CAPTURE PLAN

Date: 10/29/20

 \boxtimes Original

Operator & OGRID No.: EOG Resources, Inc. 7377

□ Amended - Reason for Amendment:

This Gas Capture Plan outlines actions to be taken by the Operator to reduce well/production facility flaring/venting for new completion (new drill, recomplete to new zone, re-frac) activity.

Note: Form C-129 must be submitted and approved prior to exceeding 60 days allowed by Rule (Subsection A of 19.15.18.12 NMAC).

Well(s)/Production Facility – Name of facility

The well(s) that will be located at the production facility are shown in the table below.

Well Name	API	Well Location (ULSTR)	Footages	Expected MCF/D	Flared or Vented	Comments
TORINO 02 FED 601H	PENDING	M-2-21N-4W	715 FSL & 486 FWL	2000	Flared	
TORINO 02 FED 602H	PENDING	M-2-21N-4W	697 FSL & 503 FWL	2000	Flared	
TORINO 02 FED 603H	PENDING	M-2-21N-4W	726 FSL & 496 FWL	2000	Flared	
TORINO 02 FED 604H	PENDING	M-2-21N-4W	707 FSL & 514 FWL	2000	Flared	
TORINO 02 FED 605H	PENDING	M-2-21N-4W	736 FSL & 507 FWL	2000	Flared	
TORINO 02 FED 606H	PENDING	M-2-21N-4W	718 FSL & 525 FWL	2000	Flared	
TORINO 02 FED 607H	PENDING	M-2-21N-4W	746 FSL & 518 FWL	2000	Flared	
TORINO 02 FED 608H	PENDING	M-2-21N-4W	728 FSL & 535 FWL	2000	Flared	
TORINO 02 FED 609H	PENDING	M-2-21N-4W	757 FSL & 529 FWL	2000	Flared	
TORINO 02 FED 610H	PENDING	M-2-21N-4W	738 FSL & 546 FWL	2000	Flared	

Gathering System and Pipeline Notification

Well(s) will be connected to a production facility after flowback operations are completed. Harvest Midstream or Enterprise Products Partner and other local midstream providers are being evaluated for potential connections. It will require \geq 30,000' of pipeline to connect the facility to a gas gathering system. The actual flow of the gas will be based on compression operating parameters and gathering system pressure.

Flowback Strategy

After the fracture treatment/completion operations, well(s) will be produced to temporary production tanks and gas will be flared or vented. During flowback, the fluids and sand content will be monitored. When the produced fluids contain minimal sand, the wells will be turned to production facilities. Gas sales should start as soon as the wells start flowing through the production facilities, unless there are operational issues at that time. Based on current information, it is EOG Resources Inc. belief the system can take this gas upon completion of the well(s).

Safety requirements during cleanout operations from the use of underbalanced air cleanout systems may necessitate that sand and non-pipeline quality gas be vented and/or flared rather than sold on a temporary basis.

Alternatives to Reduce Flaring

Below are alternatives considered from a conceptual standpoint to reduce the amount of gas flared.

- Power Generation On lease
 - Only a portion of gas is consumed operating the generator, remainder of gas will be flared
- Compressed Natural Gas On lease
 Gas flared would be minimal, but might be uneconomical to operate when gas volume declines
- NGL Removal On lease

• Plants are expensive, residue gas is still flared, and uneconomical to operate when gas volume declines *Released to Imaging: 4/22/2021 3:17:10 PM*

			WELL L	OCATIC	N AND A	ACREAGE	DEDIC	ATION PLA	T		
1 A	PI Numbe	P		² Pool Cod	e			³ Pool Nam	e		
						WILDCAT OIL					
*Property	operty Code "Pi									°We	11 Number
			TORINO 02 FED 605H								605H
20GRID N	۱o.		°Operator Name							۴E	levation
7377	7		EOG RESOURCES, INC 7099'						7099'		
					¹⁰ Surfac	e Locati	on				
UL or lot no.	Section	Township	Range	Lot Idn	Feet from th	he North/S	South line	Feet from the	East/We	est line	County
М	2	21N	4W		736	SO	UTH	507	WE	ST	SANDOVAL
	¹¹ Bottom Hole Location If Different From Surface										
UL or lot no.	Section	Township	Range	Lot Idn	Feet from th	he North/S	South line	Feet from the	East/We	est line	County
С	3	21N	4W	7	236	NO	RTH	1901	WE	ST	SANDOVAL

1. GEOLOGIC NAME OF SURFACE FORMATION:

Nacimiento

2. ESTIMATED TOPS OF IMPORTANT GEOLOGICAL MARKERS:

	MD	TVD
Pictured Cliffs	1,898'	1,896'
Huerfanito Bentonite	2,178'	2,176'
Mesaverde	2,632'	2,629'
Menefee	3,393'	3,389'
Point Lookout	4,041'	4,036'
Mancos Shale	4,221'	4,216'
Gallup	4,795'	4,789'
Horizontal TD	10,750'	5,311'

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

	TVD	
Pictured Cliffs	1,896'	Gas
Mesaverde	2,629'	Gas
Menefee	3,389'	Gas/Oil
Point Lookout	4,036'	Oil
Mancos Shale	4,216'	Oil
Gallup	4,789'	Oil

No other Formations are expected to give up oil, gas or fresh water in measurable quantities. Surface fresh water sands will be protected by setting 13.375" casing at 300' and circulating cement back to surface.



4. CASING PROGRAM - NEW

Hole Size	Interval (MD)	Interval (TVD)	Csg OD	Weight	Grade	Conn	DF _{min} Collapse	DF _{min} Burst	DF _{min} Joint Tension	DF _{min} Body Tension
17.5"	0'-300'	300'	13 3/8"	48#	H-40	STC	1.125	1.25	1.60	1.80
12.25"	0' - 3,504'	3,500'	9 5/8"	36#	J-55	LTC	1.125	1.25	1.60	1.80
8.75"	0'- 5,589'	5,311'	5 ½"	17#	P-110	BTC	1.125	1.25	1.60	1.80
8.5"	5,589'-	5,311'	5 ½"	17#	P-110	BTC	1.125	1.25	1.60	1.80
	10,750'									

Hole & Casing String:

Cementing Program:

Note: Cement volumes based on bit size plus at least 100% excess on surface, 100% excess in intermediate and 35% excess in production string.

Cullu	t Desig	11.			
Depth	No. Sacks	Wt. lb/gal	Yld Ft ³ /sk	Volume Ft ³	Slurry Description
300'	315	14.8	1.34	422	Tail: Class 'C' + 2% PF1(Calcium Chloride) (100% excess)
3,504'	1070	12.8	1.79	1853	Lead: 35:65 Poz C + .02 gal/sk Anti Foam + 1% Extender + .13 lb/sk Lost Circulation (TOC @ Surface) (100% excess)
	215	14.8	1.33	286	Tail: Class C + 0.13% Anti Foam
10,750'	360	11.9	2.47	889	Lead: Class 50/50 PozC + 5%PF44(BWOW)(Salt) + 10% PF20(Bentonite Gel) +.2%PF153(Anti Settling Agent(+ 3#/sk OF42(Kolseal) + 0.125#/sk PF29 (celloflake) + 0.4#/sk PF45 (Defoamer) (TOC @ 500' into previous casing string) 35% Excess
	1080	13	1.48	1598	Tail: Class PVL + 1.3% PF44(BWOW)(Salt) + 5% PF174 (Expanding Cement) + 0.5% PF606 (Fluid Loss) + 0.1% PF153 (Anti Settling Agent) + 0.4#/sk PF45 (Defoamer)

Cement Design:

5. MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL:

A variance is requested to use a co-flex line between the BOP and choke manifold, dependent on rig selection (instead of using a steel line). Certification and specs are attached at the end of the drilling plan.

2.

The minimum blowout preventer equipment (BOPE) shown in Exhibit #1 will consist of a double rams with blind rams & pipe rams preventer (3,000 psi WP) and an annular preventer (3,000-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 & Gas order No. 2.

Before drilling out of the surface casing, the ram-type BOP and accessory equipment will be tested to 3,000/ 250 psig and the annular preventer to 1,500/ 250 psig. The surface casing will be tested to 1200 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 surface casing shoe.

6. TYPES AND CHARACTERISTICS OF THE PROPOSED MUD SYSTEM:

During this procedure we plan to use a Closed-Loop System and haul contents to the required disposal.

The applicable depths and properties of the drilling fluid systems are as follows.

Depth	Туре	Weight (ppg)	Viscosity	Water Loss	Comments
0 – 300'	Fresh Water	8.6-8.8	28-32	N/c	
300' - 3,504'	WBM	8.8-9.4	30-34	N/c	
Vertical					
3,504' - 10,750'	WBM	8.8-9.4	30-34	<10	OBM
Curve/Lateral					Requested as
					a contingency

The highest mud weight needed to balance formation is expected to be 9.4 ppg. In order to maintain hole stability, mud weights up to 9.4 ppg may be 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.

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



7. AUXILIARY WELL CONTROL AND MONITORING EQUIPMENT:

- (A) A kelly cock will be kept in the drill string at all times.
- (B) A full opening drill pipe-stabbing valve (inside BOP) with proper drill pipe connections will be on the rig floor at all times.
- (C) H₂S monitoring and detection equipment will be utilized from surface casing point to TD.

8. LOGGING, TESTING AND CORING PROGRAM:

GR–Directional surveys will be run in open hole during drilling phase of operations.

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

The estimated bottom-hole temperature (BHT) at TD is 140 degrees F with an estimated maximum bottom-hole pressure (BHP) at TD of 2596 psig (based on 9.4 ppg MW). Hydrogen sulfide has been encountered, reported or are known to exist at this depth in this area. Severe loss circulation is expected from spud to surface casing point.

10. ANTICIPATED DURATION OF OPERATIONS:

The drilling operation should be finished in approximately one month. If the well is productive, an additional 60-90 days will be required for completion and testing before a decision is made to install permanent facilities.

(A) EOG Resources requests the option to contract a Surface Rig to drill, set surface casing, and cement on the subject well. After WOC 8 hours or 500 psi compressive strength (whichever is greater), the Surface Rig will move off so the wellhead can be installed. A welder will cut the casing to the proper height and weld on the wellhead (both "A" and "B" sections). The weld will be tested to 1000 psi. All valves will be closed and a wellhead cap will be installed (diagram attached). If the timing between rigs is such that EOG Resources would not be able to preset the surface, the Primary Rig will MIRU and drill the well in its entirety per the APD.

4.



11. WELLHEAD:

A multi-bowl wellhead system will be utilized.

After running the 13-3/8" surface casing, a 13 3/8" BOP/BOPE system with a minimum working pressure of 3,000 psi will be installed on the wellhead system and will be pressure tested to 250 psi low followed by a 3,000 psi pressure test. This pressure test will be repeated at least every 30 days, as per Onshore Order No. 2

The minimum working pressure of the BOP and related BOPE required for drilling below the surface casing shoe shall be 3,000 psi.

The multi-bowl wellhead will be installed by vendor's representative(s).

The wellhead will be installed by a third party welder while being monitored by WH vendor's representative.

All BOP equipment will be tested utilizing a conventional test plug. Not a cup or J-packer type.

The surface casing string will be tested as per Onshore Order No. 2 to at least 0.22 psi/ft or 1500 psi, whichever is greater.

12. COMPLETION AND PRODUCTION PLAN:

Frac: Lateral will be fracture stimulated with approximately 180,000 bbls slick water fluid.

Flowback: Well will be flowed back through production tubing. An ESP may be used to assist in load water recovery.

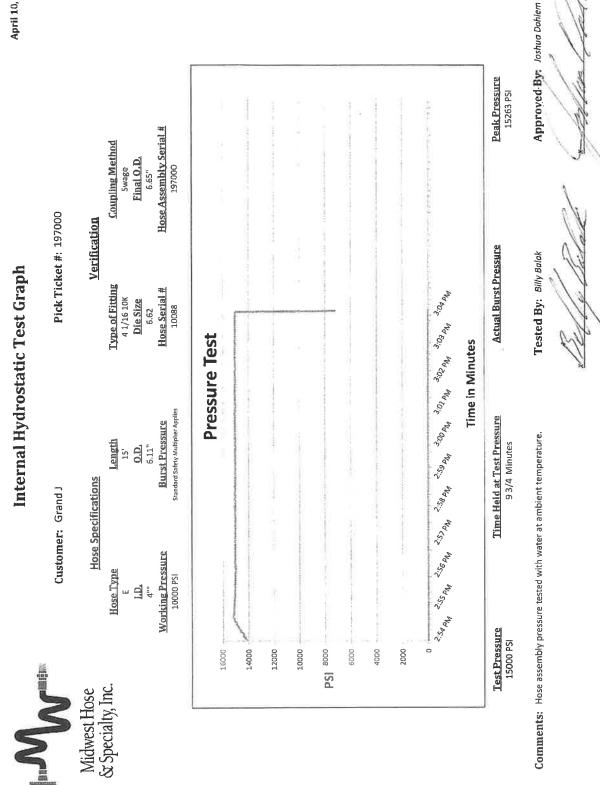
Production: Well will produce up production tubing into production and storage facilities.



•2

		M		. WEINER					
		Midwes							
		& Specia	alty, Inc.						
INTI	ERNAL H	YDROST	ATIC TEST	CERTIFICA	TE				
Customer:		JUNCTION		Customer P.O. 17875					
		HOSE SPECI	FICATIONS						
	HOKE HOS	SE		Hose Length:	15 FEET				
I.D.	4	INCHES	O.D.		INCHES				
WORKING PR	ESSURE	TEST PRESSUR	RE	BURST PRESSUR					
10,000	PSI	15,000		N/A	PSI				
Part Numb	er S	COUP Stem Lot Nur	PLINGS nber	Ferrule Lot N	umber				
E4.0X6			9764 9764						
Type of Co	the second se		Die Size:	N4406					
	SWAGE-IT		6.62 INCHES						
		PROC	EDURE						
			ith water at ambier	nt temperature.					
П	ME HELD AT TI	EST PRESSURE	ACTUAL E	URST PRESSURE:					
Hose Asse	9 3/4 mbly Serial	MIN. Number:	Hose Serial N	N/A lumber:	PSI				
	197000			10088					
Comments	:								
Date: 4/10/2	Date: 4/10/2013 Tested: Bille: Balak Approved: John Alton								
				/					

13
0
N
ů,
=
a
~



i



EOG Resources - Artesia

Sandoval County (NAD83) Torino Torino 02 Fed #605H

Lateral

Plan: Plan #1

Standard Planning Report

18 November, 2020

e og re	sourc	es		Planning R					
Database: Company: Project: Site: Well: Wellbore: Design:		urces - Artesia county (NAD83) ed #605H		TVD Refe MD Refer North Ref	ence:	KB KB Gric	@ 7117.0usf	t (Planning Rig t (Planning Rig	
Project	Sandoval Co	ounty (NAD83)							
Map System: Geo Datum: Map Zone:	US State Plar North America New Mexico C	an Datum 1983		System Da	tum:	Mean	Sea Level		
Site	Torino								
Site Position: From: Position Uncertainty	Map :	0.0 usft	Northing: Easting: Slot Radius:	,	,024.95 usft L	_atitude: _ongitude: Grid Convergenc	e:		36° 4' 18.775 N 107° 13' 57.548 W -0.58 °
Well	Torino 02 Fe	d #605H							
Well Position Position Uncertainty	+N/-S +E/-W	-17.6 usft -149.0 usft 0.0 usft	Northing: Easting: Wellhead Ele	vation:	1,846,878.42 u 1,349,875.99 u	isft Longit i			36° 4' 18.587 N 107° 13' 59.361 W 7,099.0 usft
Wellbore	Lateral								
Magnetics	Model N	lame	Sample Date	Declina (°)		Dip Angl (°)	e		trength IT)
	IC	GRF2020	10/20/2020		8.64		62.73	49,3	49.17454057
Design	Plan #1								
Audit Notes:									
Version:			Phase:	PLAN	Tie C	On Depth:		0.0	
Vertical Section:		(L	rom (TVD) Isft) D.0	+N/-S (usft) 0.0	+E/- (ust 0.0	ft)		ection (°) 7.23	
Plan Survey Tool Pro Depth From (usft)	Depth To (usft)	Date 11/18 Survey (Wellb	ore)	Tool Name		Remarks			
1 0.0	10,749.5	Plan #1 (Latera	ai)	MWD OWSG MWD	- Standard				
-		Vertio muth Dep (°) (ust	th +N/-S	+E/-W (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft) (°/	Turn Rate 100usft)	TFO (°)	Target

Measured			Vertical			Dogleg	Build	Turn			
Depth	Inclination	Azimuth	Depth	+N/-S	+E/-W	Rate	Rate	Rate	TFO		
(usft)	(°)	(°)	(usft)	(usft)	(usft)	(°/100usft)	(°/100usft)	(°/100usft)	(°)	Target	
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00		
500.0	0.00	0.00	500.0	0.0	0.0	0.00	0.00	0.00	0.00		
650.1	3.00	46.85	650.0	2.7	2.9	2.00	2.00	0.00	46.85		
4,689.1	3.00	46.85	4,683.5	147.3	157.1	0.00	0.00	0.00	0.00		
4,839.2	0.00	0.00	4,833.5	150.0	160.0	2.00	-2.00	0.00	180.00		
5,589.2	90.00	315.00	5,311.0	487.6	-177.6	12.00	12.00	-6.00	315.00		
10,749.5	90.00	315.00	5,311.0	4,136.4	-3,826.7	0.00	0.00	0.00	T] 00.0	02F#605H]PBHL	

11/18/2020 4:11:49PM



Planning Report

Database:	EDM	Local Co-ordinate Reference:	Well Torino 02 Fed #605H
Company:	EOG Resources - Artesia	TVD Reference:	KB @ 7117.0usft (Planning Rig)
Project:	Sandoval County (NAD83)	MD Reference:	KB @ 7117.0usft (Planning Rig)
Site:	Torino	North Reference:	Grid
Well:	Torino 02 Fed #605H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Lateral		
Design:	Plan #1		

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
BEGIN 2*/100		40.05	0.000	4.0	1.0	0.0	0.00	0.00	0.00
600.0	2.00	46.85	600.0	1.2	1.3	0.0	2.00	2.00	0.00
650.1	3.00	46.85	650.0	2.7	2.9	0.0	2.00	2.00	0.00
700.0	3.00	46.85	699.9	4.5	4.8	0.0	0.00	0.00	0.00
800.0	3.00	46.85	799.7	8.1	8.6	0.1	0.00	0.00	0.00
900.0	3.00	46.85	899.6	11.6	12.4	0.1	0.00	0.00	0.00
1,000.0	3.00	46.85	999.5	15.2	16.2	0.1	0.00	0.00	0.00
1,100.0	3.00	46.85	1,099.3	18.8	20.1	0.2	0.00	0.00	0.00
1,200.0	3.00	46.85	1,199.2	22.4	23.9	0.2	0.00	0.00	0.00
1,300.0	3.00	46.85	1,299.0	26.0	23.9	0.2	0.00	0.00	0.00
1,400.0	3.00	46.85	1,398.9	29.5	31.5	0.3	0.00	0.00	0.00
1,500.0	3.00	46.85	1,498.8	33.1	35.3	0.3	0.00	0.00	0.00
1,600.0	3.00	46.85	1,598.6	36.7	39.1	0.4	0.00	0.00	0.00
1,700.0	3.00	46.85	1,698.5	40.3	43.0	0.4	0.00	0.00	0.00
1,800.0	3.00	46.85	1,798.4	43.9	46.8	0.4	0.00	0.00	0.00
1,897.8	3.00	46.85	1,896.0	47.4	50.5	0.5	0.00	0.00	0.00
Pictured Cliff		+0.00	1,000.0	-11	00.0	0.0	0.00	0.00	0.00
1,900.0	3.00	46.85	1,898.2	47.4	50.6	0.5	0.00	0.00	0.00
2,000.0	3.00	46.85	1,998.1	51.0	54.4	0.5	0.00	0.00	0.00
2,100.0	3.00	46.85	2,097.9	54.6	58.2	0.5	0.00	0.00	0.00
2,178.2	3.00	46.85	2,176.0	57.4	61.2	0.6	0.00	0.00	0.00
Huerfanito B		10100	2,	0	0.1.2	0.0	0.00	0.00	0.00
0.000.0	0.00	10.05	0.407.0	50.0	20 4		0.00	0.00	0.00
2,200.0	3.00	46.85	2,197.8	58.2	62.1	0.6	0.00	0.00	0.00
2,300.0	3.00	46.85	2,297.7	61.8	65.9	0.6	0.00	0.00	0.00
2,400.0	3.00	46.85	2,397.5	65.3	69.7	0.6	0.00	0.00	0.00
2,500.0	3.00	46.85	2,497.4	68.9	73.5	0.7	0.00	0.00	0.00
2,600.0	3.00	46.85	2,597.3	72.5	77.3	0.7	0.00	0.00	0.00
2,631.8	3.00	46.85	2,629.0	73.6	78.6	0.7	0.00	0.00	0.00
Mesaverde									
2,700.0	3.00	46.85	2,697.1	76.1	81.2	0.7	0.00	0.00	0.00
2,800.0	3.00	46.85	2,797.0	79.7	85.0	0.8	0.00	0.00	0.00
2,900.0	3.00	46.85	2,896.8	83.3	88.8	0.8	0.00	0.00	0.00
3,000.0	3.00	46.85	2,996.7	86.8	92.6	0.8	0.00	0.00	0.00
3,100.0	3.00	46.85	3,096.6	90.4	96.4	0.9	0.00	0.00	0.00
3,200.0	3.00	46.85	3,196.4	94.0	100.3	0.9	0.00	0.00	0.00
3,300.0	3.00	46.85	3,296.3	97.6	104.1	0.9	0.00	0.00	0.00
3,392.8	3.00	46.85	3,389.0	100.9	107.6	1.0	0.00	0.00	0.00
Menefee									
3,400.0	3.00	46.85	3,396.2	101.2	107.9	1.0	0.00	0.00	0.00
3,500.0	3.00	46.85	3,496.0	104.7	111.7	1.0	0.00	0.00	0.00
3,600.0	3.00	46.85	3,595.9	108.3	115.5	1.1	0.00	0.00	0.00
3,700.0	3.00	46.85	3,695.7	111.9	119.4	1.1	0.00	0.00	0.00
3,800.0	3.00	46.85	3,795.6	115.5	123.2	1.1	0.00	0.00	0.00
3,900.0	3.00	46.85	3,895.5	119.1	123.2	1.1	0.00	0.00	0.00
4,000.0	3.00	46.85	3,995.3	122.6	130.8	1.2	0.00	0.00	0.00
4,040.7	3.00	46.85	4,036.0	124.1	132.4	1.2	0.00	0.00	0.00
Point Lookou									

11/18/2020 4:11:49PM



Planning Report

Database:	EDM	Local Co-ordinate Reference:	Well Torino 02 Fed #605H
Company:	EOG Resources - Artesia	TVD Reference:	KB @ 7117.0usft (Planning Rig)
Project:	Sandoval County (NAD83)	MD Reference:	KB @ 7117.0usft (Planning Rig)
Site:	Torino	North Reference:	Grid
Well:	Torino 02 Fed #605H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Lateral		
Design:	Plan #1		

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)
4,100.0	3.00	46.85	4,095.2	126.2	134.6	1.2	0.00	0.00	0.00
4,200.0	3.00	46.85	4,195.1	129.8	138.5	1.3	0.00	0.00	0.00
4,221.0	3.00	46.85	4,216.0	130.5	139.3	1.3	0.00	0.00	0.00
Mancos									
4,300.0	3.00	46.85	4,294.9	133.4	142.3	1.3	0.00	0.00	0.00
4,400.0	3.00	46.85	4,394.8	137.0	146.1	1.3	0.00	0.00	0.00
4,500.0	3.00	46.85	4,494.7	140.5	149.9	1.4	0.00	0.00	0.00
4,600.0	3.00	46.85	4,594.5	144.1	153.7	1.4	0.00	0.00	0.00
4,689.1	3.00	46.85	4,683.5	147.3	157.1	1.4	0.00	0.00	0.00
4,700.0	2.78	46.85	4,694.4	147.7	157.5	1.4	2.00	-2.00	0.00
4,794.7	0.89	46.85	4,789.0	149.8	159.7	1.5	2.00	-2.00	0.00
Gallup	0.70	40.05	1 70 1 0	140.0	450.0	4.5	0.00	0.00	0.00
4,800.0	0.78 0.00	46.85 0.00	4,794.3 4,833.5	149.8 150.0	159.8 160.0	1.5 1.5	2.00 2.00	-2.00 -2.00	0.00 0.00
4,839.2 KOP 12*/100'	0.00	0.00	4,033.5	150.0	160.0	1.5	2.00	-2.00	0.00
4,850.0	1.30	315.00	4,844.3	150.1	159.9	1.6	12.03	12.03	0.00
4,875.0	4.30	315.00	4,869.3	150.9	159.1	2.8	12.00	12.00	0.00
4,900.0 4,925.0	7.30 10.30	315.00 315.00	4,894.2 4,918.9	152.7 155.4	157.3 154.6	5.3 9.1	12.00 12.00	12.00 12.00	0.00 0.00
4,950.0	13.30	315.00	4,943.3	159.1	150.9	14.2	12.00	12.00	0.00
4,975.0	16.30	315.00	4,967.5	163.6	146.4	20.6	12.00	12.00	0.00
5,000.0	19.30	315.00	4,991.3	169.0	141.0	28.3	12.00	12.00	0.00
5,000.0	22.30	315.00	5,014.7	175.2	134.8	37.1	12.00	12.00	0.00
5,050.0	25.30	315.00	5,037.5	182.4	127.6	47.2	12.00	12.00	0.00
5,075.0	28.30	315.00	5,059.9	190.3	119.6	58.5	12.00	12.00	0.00
5,100.0	31.30	315.00	5,081.5	199.1	110.9	70.9	12.00	12.00	0.00
5,125.0	34.30	315.00	5,102.6	208.7	101.3	84.4	12.00	12.00	0.00
5,150.0	37.30	315.00	5,122.8	219.0	91.0	99.0	12.00	12.00	0.00
5,175.0	40.30	315.00	5,142.3	230.1	79.9	114.7	12.00	12.00	0.00
5,200.0	43.30	315.00	5,160.9	241.9	68.1	131.3	12.00	12.00	0.00
5,225.0	46.30	315.00	5,178.7	254.4	55.6	148.9	12.00	12.00	0.00
5,250.0	49.30	315.00	5,195.5	267.4	42.5	167.4	12.00	12.00	0.00
5,275.0	52.30	315.00	5,211.3	281.1	28.8	186.8	12.00	12.00	0.00
5,300.0	55.30	315.00	5,226.0	295.4	14.6	206.9	12.00	12.00	0.00
5,325.0	58.30	315.00	5,239.7	310.2	-0.2	227.8	12.00	12.00	0.00
5,350.0	61.30	315.00	5,252.3	325.5	-15.5	249.4	12.00	12.00	0.00
5,375.0	64.30	315.00	5,263.7	341.2	-31.2	271.6	12.00	12.00	0.00
5,400.0	67.30	315.00	5,274.0	357.3	-47.3	294.4	12.00	12.00	0.00
5,425.0 5,450.0	70.30 73.30	315.00 315.00	5,283.0 5,290.8	373.8 390.6	-63.8 -80.6	317.7 341.4	12.00 12.00	12.00 12.00	0.00 0.00
5,450.0 5,475.0	75.30	315.00	5,290.8 5,297.4	390.6 407.6	-80.8 -97.7	341.4 365.6	12.00	12.00	0.00
5,500.0 5,525.0	79.30	315.00	5,302.7	424.9 442.4	-114.9	390.0	12.00	12.00	0.00 0.00
5,525.0 5,550.0	82.30 85.30	315.00 315.00	5,306.7 5,309.4	442.4 459.9	-132.4 -150.0	414.6 439.5	12.00 12.00	12.00 12.00	0.00
5,575.0	88.30	315.00	5,310.8	477.6	-167.6	464.4	12.00	12.00	0.00
5,589.2	90.00	315.00	5,311.0	487.6	-177.6	478.6	11.98	11.98	0.00
	EOC 5589' MD (
	-		E 211 0	105.2	105.0	400 4	0.00	0.00	0.00
5,600.0 5,700.0	90.00 90.00	315.00 315.00	5,311.0 5,311.0	495.3 566.0	-185.3 -256.0	489.4 589.3	0.00 0.00	0.00 0.00	0.00 0.00
5,700.0 5,800.0	90.00 90.00	315.00	5,311.0 5,311.0	636.7	-256.0 -326.7	569.5 689.2	0.00	0.00	0.00
5,900.0	90.00	315.00	5,311.0	707.4	-397.4	789.1	0.00	0.00	0.00
6,000.0	90.00	315.00	5,311.0	778.1	-468.1	889.1	0.00	0.00	0.00
6,100.0	90.00	315.00	5,311.0	848.8	-538.8	989.0	0.00	0.00	0.00



Planning Report

Database:	EDM	Local Co-ordinate Reference:	Well Torino 02 Fed #605H
Company:	EOG Resources - Artesia	TVD Reference:	KB @ 7117.0usft (Planning Rig)
Project:	Sandoval County (NAD83)	MD Reference:	KB @ 7117.0usft (Planning Rig)
Site:	Torino	North Reference:	Grid
Well:	Torino 02 Fed #605H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Lateral		
Design:	Plan #1		

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)
6,200.0	90.00	315.00	5,311.0	919.5	-609.6	1,088.9	0.00	0.00	0.00
6,300.0	90.00	315.00	5,311.0	990.2	-680.3	1,188.8	0.00	0.00	0.00
6,400.0	90.00	315.00	5,311.0	1,060.9	-751.0	1,288.8	0.00	0.00	0.00
6,500.0	90.00	315.00	5,311.0	1,131.6	-821.7	1,388.7	0.00	0.00	0.00
6,600.0	90.00	315.00	5,311.0	1,202.3	-892.4	1,488.6	0.00	0.00	0.00
6,700.0	90.00	315.00	5,311.0	1,273.1	-963.1	1,588.5	0.00	0.00	0.00
6,800.0	90.00	315.00	5,311.0	1,343.8	-1,033.8	1,688.5	0.00	0.00	0.00
6,900.0	90.00	315.00	5,311.0	1,414.5	-1,104.5	1,788.4	0.00	0.00	0.00
7,000.0	90.00	315.00	5,311.0	1,485.2	-1,175.3	1,888.3	0.00	0.00	0.00
7,100.0	90.00	315.00	5,311.0	1,555.9	-1,246.0	1,988.2	0.00	0.00	0.00
7,200.0	90.00	315.00	5,311.0	1,626.6	-1,316.7	2,088.2	0.00	0.00	0.00
7,300.0	90.00	315.00	5,311.0	1,697.3	-1,387.4	2,188.1	0.00	0.00	0.00
7,400.0	90.00	315.00	5,311.0	1,768.0	-1,458.1	2,288.0	0.00	0.00	0.00
7,500.0	90.00	315.00	5,311.0	1,838.7	-1,528.8	2,200.0	0.00	0.00	0.00
7,600.0 7,700.0	90.00 90.00	315.00 315.00	5,311.0 5,311.0	1,909.4 1,980.1	-1,599.5 -1,670.3	2,487.9 2,587.8	0.00 0.00	0.00 0.00	0.00 0.00
7,800.0	90.00	315.00	5,311.0	2,050.8	-1,741.0	2,587.8	0.00	0.00	0.00
7,800.0	90.00	315.00	5,311.0	2,050.8	-1,811.7	2,087.7	0.00	0.00	0.00
8,000.0	90.00	315.00	5,311.0	2,121.0	-1,882.4	2,887.6	0.00	0.00	0.00
8,100.0	90.00	315.00	5,311.0	2,263.0	-1,953.1	2,987.5	0.00	0.00	0.00
8,200.0	90.00	315.00	5,311.0	2,203.0	-2,023.8	3,087.4	0.00	0.00	0.00
8,300.0	90.00	315.00	5,311.0	2,404.4	-2,023.0	3,187.3	0.00	0.00	0.00
8,400.0	90.00	315.00	5,311.0	2,475.1	-2,165.2	3,287.3	0.00	0.00	0.00
8,500.0	90.00	315.00	5,311.0	2,545.8	-2,236.0	3,387.2	0.00	0.00	0.00
8,600.0	90.00	315.00	5,311.0	2,616.5	-2,306.7	3,487.1	0.00	0.00	0.00
8,700.0	90.00	315.00	5,311.0	2,687.2	-2,300.7	3,587.0	0.00	0.00	0.00
8,800.0	90.00	315.00	5,311.0	2,757.9	-2,377.4	3,687.0	0.00	0.00	0.00
8,900.0	90.00	315.00	5,311.0	2,828.6	-2,518.8	3,786.9	0.00	0.00	0.00
9,000.0	90.00	315.00	5,311.0	2,899.4	-2,589.5	3,886.8	0.00	0.00	0.00
9,100.0	90.00	315.00	5,311.0	2,970.1	-2,660.2	3,986.7	0.00	0.00	0.00
9,100.0	90.00	315.00	5,311.0	3,040.8	-2,000.2	4,086.6	0.00	0.00	0.00
9,200.0 9,300.0	90.00	315.00	5,311.0	3,040.8	-2,730.9	4,080.0	0.00	0.00	0.00
9,300.0 9,400.0	90.00	315.00	5,311.0	3,182.2	-2,801.7	4,180.0	0.00	0.00	0.00
9,400.0 9,500.0	90.00	315.00	5,311.0	3,252.9	-2,072.4 -2,943.1	4,280.5	0.00	0.00	0.00
9,600.0	90.00	315.00	5,311.0	3,323.6	-3,013.8	4,486.3	0.00	0.00	0.00
9,700.0	90.00	315.00	5,311.0	3,394.3	-3,013.8	4,480.3	0.00	0.00	0.00
9,800.0	90.00	315.00	5,311.0	3,465.0	-3,155.2	4,686.2	0.00	0.00	0.00
9,900.0	90.00	315.00	5,311.0	3,535.7	-3,135.2	4,000.2	0.00	0.00	0.00
10,000.0	90.00	315.00	5,311.0	3,606.4	-3,296.6	4,886.0	0.00	0.00	0.00
10,100.0	90.00	315.00	5,311.0	3,677.1	-3,367.4	4,986.0	0.00	0.00	0.00
10,100.0	90.00	315.00	5,311.0	3,747.9	-3,307.4	4,980.0 5,085.9	0.00	0.00	0.00
10,200.0	90.00	315.00	5,311.0	3,818.6	-3,508.8	5,185.8	0.00	0.00	0.00
10,300.0	90.00	315.00	5,311.0	3,889.3	-3,500.0	5,285.7	0.00	0.00	0.00
10,400.0	90.00	315.00	5,311.0	3,960.0	-3,650.2	5,385.7	0.00	0.00	0.00
10,600.0 10,700.0	90.00 90.00	315.00 315.00	5,311.0 5,311.0	4,030.7 4,101.4	-3,720.9 -3,791.6	5,485.6 5,585.5	0.00 0.00	0.00 0.00	0.00
10,749.5	90.00	315.00	5,311.0	4,136.4	-3,826.6	5,635.0	0.00	0.00	0.00
	EOL 10750' MD		-,••	.,	-,020.0	2,000.0	0.00	0.00	0.00



Planning Report

Database: Company: Project: Site: Well: Wellbore: Design:	EDM EOG Resources - Artesia Sandoval County (NAD83) Torino Torino 02 Fed #605H Lateral Plan #1	Local Co-ordinate Reference: TVD Reference: MD Reference: North Reference: Survey Calculation Method:	Well Torino 02 Fed #605H KB @ 7117.0usft (Planning Rig) KB @ 7117.0usft (Planning Rig) Grid Minimum Curvature
Design Targets Target Name - hit/miss target	Dip Angle Dip Dir. TVD +N/-S	+E/-W Northing Eas	sting

- Shape	(°)	(°)	(usft)	(usft)	(usft)	(usft)	(usft)	Latitude	Longitude
[T02F#605H]UMP - plan hits target center - Point	0.00	360.00	5,311.0	487.6	-177.6	1,847,366.05	1,349,698.34	36° 4' 23.391 N	107° 14' 1.584 W
[T02F#605H]PBHL - plan hits target center	0.00	0.00	5,311.0	4,136.4	-3,826.7	1,851,014.85	1,346,049.31	36° 4' 59.105 N	107° 14' 46.487 W

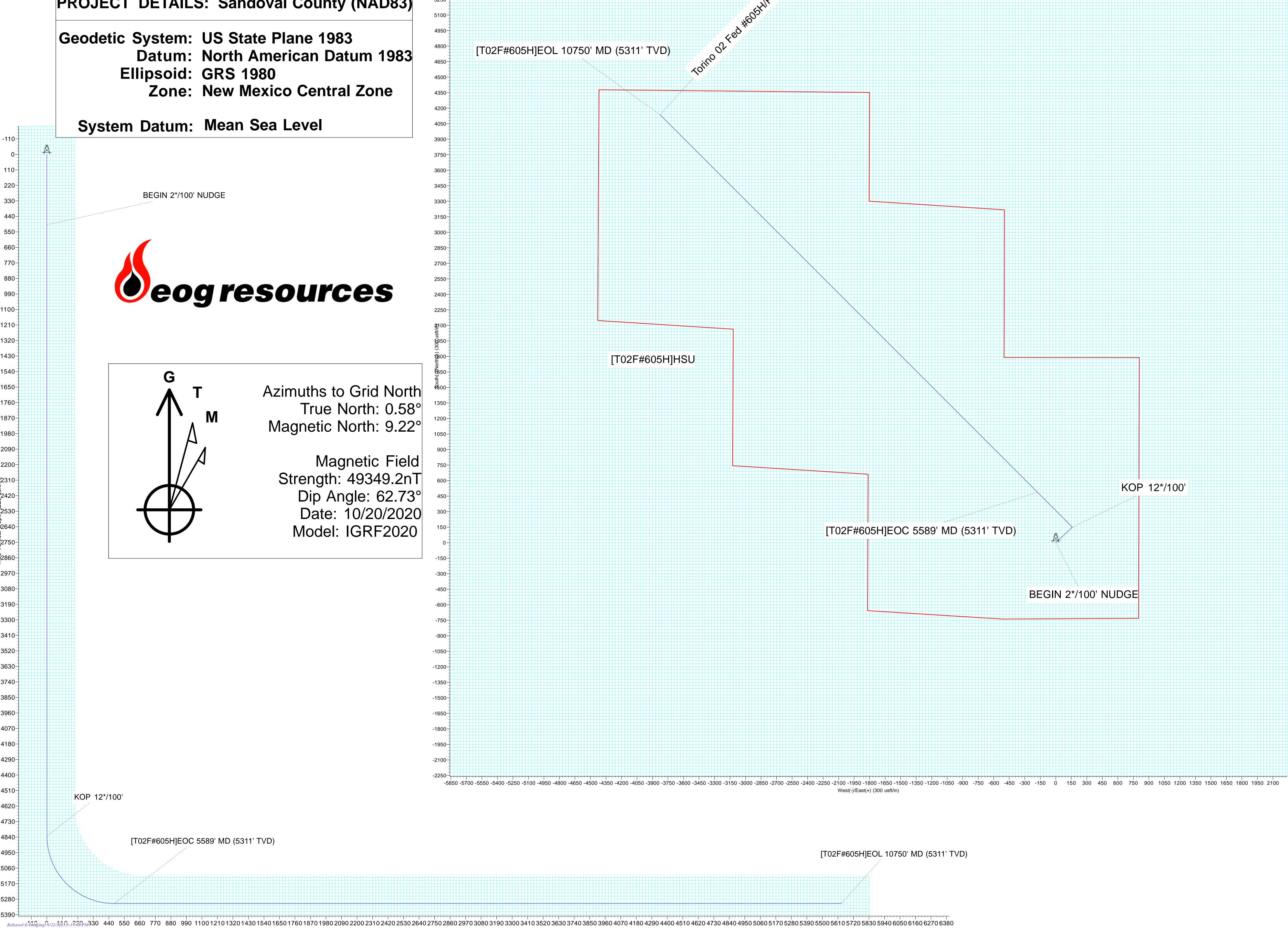
- Point

Name	Lithology	Dip (°)	Dip Direction (°)	
ntonite				

Plan Annotations Measured	Vertical	Local Coor	dinates	
Depth	Depth	+N/-S	+E/-W	Comment
(usft)	(usft)	(usft)	(usft)	
500.0	500.0	0.0	0.0	BEGIN 2*/100' NUDGE
4,839.2	4,833.5	150.0	160.0	KOP 12*/100'
5,589.2	5,311.0	487.6	-177.6	[T02F#605H]EOC 5589' MD (5311' TVD)
10,749.5	5,311.0	4,136.4	-3,826.6	[T02F#605H]EOL 10750' MD (5311' TVD)

Page	17	of 25	

Name	TVD	+N/-S		+E/-W		Northing		Easting			
[T02F#605H]PBHL	5311.0	4136.4 -3826.7		-3826.7		185	1851014.85		1346049.31		
- plan hits target center											
[T02F#605H]UMP	5311.0	48	7.6	-	177.6	184	7366.05		13496	598.34	
- plan hits target center											
						SECTION	DETAILS				
Project:Sandoval County (NAD83)											
Site: Torino		Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSe
Well: Torino 02 Fed #605H		1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.
Wellbore: Lateral		2	500.0 650.1	0.00 3.00	0.00 46.85	500.0 650.0	0.0 2.7	0.0 2.9	0.00 2.00	0.00 46.85	0. 0
Design: Plan #1		З 4	4689.1	3.00	46.85	4683.5	147.3	157.1	0.00	40.00	1
Fround Elevation 7099.0		5	4839.2	0.00	0.00	4833.5	150.0	160.0	2.00	180.00	1
		6	5589.2	90.00	315.00	5311.0	487.6	-177.6	12.00	315.00	478
Northing 1846878.42 Easting 1349875.99		7	10749.5	90.00	315.00	5311.0	4136.4	-3826.7	0.00	0.00	5635
KB @ 7117.0usft (Planning Rig)	5850-										
	5700										
	5550										
	5400			*							
PROJECT DETAILS: Sandoval County (NAD83)	5250			Plat							
TRUJEVI DEIRIEJ. Januvai Guunty (NADOJ)											



5100



United States Department of the Interior

BUREAU OF LAND MANAGEMENT Farmington District Office 6251 College Blvd, Suite A Farmington, New Mexico 87402



In Reply Refer To: 3162.3-1(NMF0110)

* EOG RESOURCES INCORPORATED

#605H TORINO 02 FED

Lease: NMNM139384 SH: SW¼SW¼ Section 02, T.21 N., R.4 W. Sandoval County, New Mexico BH: NE¼NW¼ Section 03, T.21 N., R.4 W. Sandoval County, New Mexico *Above Data Required on Well Sign

GENERAL REQUIREMENTS FOR OIL AND GAS OPERATIONS ON FEDERAL AND INDIAN LEASES

The following special requirements apply and are effective when checked:

A. 🖾 Note all surface/drilling conditions of approval attached.

B. The required wait on cement (WOC) time will be a minimum of 500 psi compressive strength at 60 degrees. Blowout preventor (BOP) nipple-up operations may then be initiated

C. Test the surface casing to a minimum of _____ psi for 30 minutes.

- D. Test all casing strings below the surface casing to .22 psi/ft. of casing string length or 1500 psi, whichever is greater, but not to exceed 70% of the minimum internal yield burst) for a minimum of 30 minutes.
- E. Communitization Agreement covering the acreage dedicated to this well must be filed for approval with the Bureau of Land Management, Farmington District Office, Branch of Reservoir Management, 6251 College Blvd. Suite A, Farmington, New Mexico 87402. The effective date of the agreement must be **prior** to any sales.
- F. ⊠ The use of co-flex hose is authorized contingent upon the following:
 1. From the BOP to the choke manifold: the co-flex hose must be hobbled on both ends and saddle to prevent whip.

2. From the choke manifold to the discharge tank: the co-flex hoses must be as straight as practical, hobbled on both ends and anchored to prevent whip.

3. The co-flex hose pressure rating must be at least commensurate with approved BOPE.

INTERIOR REGION 7 • UPPER COLORADO BASIN

COLORADO, NEW MEXICO, UTAH, WYOMING

I. <u>GENERAL</u>

- A. Full compliance with all applicable laws, regulations, and Onshore Orders, with the approved Permit to drill, and with the approved Surface Use and Operations Plan is required. Lessees and/or operators are fully accountable for the actions of their contractors and subcontractors. Failure to comply with these requirements and the filing of required reports will result in strict enforcement pursuant to 43 CFR 3163.1 or 3163.2.
- B. Each well shall have a well sign in legible condition from spud date to final abandonment. The sign should show the operator's name, lease serial number, or unit name, well number, location of the well, and whether lease is Tribal or Allotted, (See 43 CFR 3162.6(b)).
- C. A complete copy of the approved Application for Permit to Drill, along with any conditions of approval, shall be available to authorized personnel at the drill site whenever active drilling operations are under way.
- D. For Wildcat wells only, a drilling operations progress report is to be submitted, to the BLM-Field Office, weekly from the spud date until the well is completed and the Well Completion Report (Form 3160-4) is filed. The report should be on 8-1/2 x 11 inch paper, and each page should identify the well by; operator's name, well number, location and lease number.
- E. As soon as practical, notice is required of all blowouts, fires and accidents involving life-threatening injuries or loss of life. (See NTL-3A).
- F. Prior approval by the BLM-Authorized Office (Drilling and Production Section) is required for variance from the approved drilling program and before commencing plugging operations, plug back work casing repair work, corrective cementing operations, or suspending drilling operations indefinitely. Emergency approval may be obtained orally, but such approval is contingent upon filing of a notice of intent (on a Sundry Notice, Form 3160-5) within three business days (original and three copies of Federal leases and an original and four copies on Indian leases). Any changes to the approved plan or any questions regarding drilling operations should be directed to BLM during regular business hours at 505-564-7600. Emergency program changes after hours should be directed to at Virgil Lucero at 505-793-1836.
- G. The Inspection and Enforcement Section (I&E), phone number (505-564-7750) is to be notified at least 24 hours in advance of BOP test, spudding, cementing, or plugging operations so that a BLM representative may witness the operations.
- H. Unless drilling operations are commenced within two years, approval of the Application for Permit to Drill will expire. A written request for a two years extension may be granted if submitted prior to expiration.
- I. From the time drilling operations are initiated and until drilling operations are completed, a member of the drilling crew or the tool pusher shall maintain rig surveillance at all time, unless the well is secured with blowout preventers or cement plugs.
- J. If for any reason, drilling operations are suspended for more than 90 days, a written notice must be provided to this office outlining your plans for this well.

II. <u>REPORTING REQUIREMENTS</u>

A. For reporting purposes, all well Sundry notices, well completion and other well actions shall be referenced by the appropriate lease, communitization agreement and/or unit agreement numbers.

- B. The following reports shall be filed with the BLM-Authorized Officer within 30 days after the work is completed.
 - 1 .Original and three copies on Federal and an Original and five copies on Indian leases of Sundry Notice (Form 3150-5), giving complete information concerning.
 - a. Setting of each string of casing. Show size and depth of hole, grade and weight of casing, depth set, depth of any and all cementing tools that are used, amount (in cubic feet) and types of cement used, whether cement circulated to surface and all cement tops in the casing annulus, casing test method and results, and the date work was done. Show spud date on first report submitted.
 - b. Intervals tested, perforated (include; size, number and location of perforations), acidized, or fractured; and results obtained. Provide date work was done on well completion report and completion sundry notice.
 - c. Subsequent Report of Abandonment, show the manner in which the well was plugged, including depths where casing was cut and pulled, intervals (by depths) where cement plugs were replaced, and dates of the operations.
 - 2. Well Completion Report (Form 3160-4) will be submitted with 30 days after well has been completed.
 - a. Initial Bottom Hole Pressure (BHP) for the producing formations. Show the BHP on the completion report. The pressure may be: 1) measured with a bottom hole bomb, or; 2) calculated based on shut in surface pressures (minimum seven day buildup) and fluid level shot.
 - 3. Submit a cement evaluation log, if cement is not circulated to surface.

III. DRILLER'S LOG

The following shall be entered in the daily driller's log: 1) Blowout preventer pressures tests, including test pressures and results. 2) Blowout preventer tests for proper functioning, 3) Blowout prevention drills conducted, 4) Casing run, including size, grade, weight, and depth set, 5) How pipe was cemented, including amount of cement, type, whether cement circulated to surface, location of cementing tools, etc., 6) Waiting on cement time for each casing string, 7) Casing pressure tests after cementing, including test pressure and results and 8) Estimated amounts of oil and gas recovered and/or produced during drill stem test.

IV. GAS FLARING

Gas produced from this well may not be vented or flared beyond an initial, authorized test period of <u>*</u> Days or 50 MMCF following its (completion)(recompletion), whichever first occurs, without the prior, written approval of the authorized officer. Should gas be vented or flared without approval beyond the test period authorized above, you may be directed to shut-in the well until the gas can be captured or approval to continue venting or flaring as uneconomic is granted. You shall be required to compensate the lessor for the portion of the gas vented or flared without approval which is determined to have been avoidably lost.

*30 days, unless a longer test period is specifically approved by the authorized officer. The 30-day period will commence upon the first gas to surface.

V. <u>SAFETY</u>

- A. All rig heating stoves are to be of the explosion-proof type.
- B. Rig safety lines are to be installed.
- C. Hard hats and other Personal Protective Equipment (PPE) must be utilized.

VI. <u>CHANGE OF PLANS OR ABANDONMENT</u>

- A. Any changes of plans required in order to mitigate unanticipated conditions encountered during drilling operations, will require approval as set forth in Section 1.F.
- B. If the well is dry, it is to be plugged in accordance with 43 CFR 3162.3-4, approval of the proposed plugging program is required as set forth in Section 1.F. The report should show the total depth reached, the reason for plugging, and the proposed intervals, by depths, where cement plugs are to be placed, type of plugging mud, etc. A Subsequent Report of Abandonment is required as set forth in Section II.B.1c.
- C. Unless a well has been properly cased and cemented, or properly plugged, the drilling rig must not be moved from the drill site without prior approval from the BLM-Authorized Officer.

VII. PHONE NUMBERS

- A. For BOPE tests, cementing, and plugging operations the phone number is 505-564-7750 and must be called 24 hours in advance in order that a BLM representative may witness the operations.
- B. Emergency program changes after hours contact:

Virgil Lucero (505) 793-1836 Joe Killins (505) 564-7736

EXIBIT 1a EOG Resources, Inc. 3M Choke Manifold Equipment

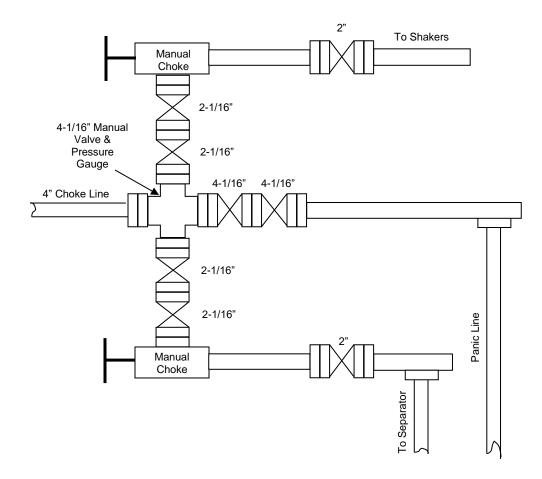
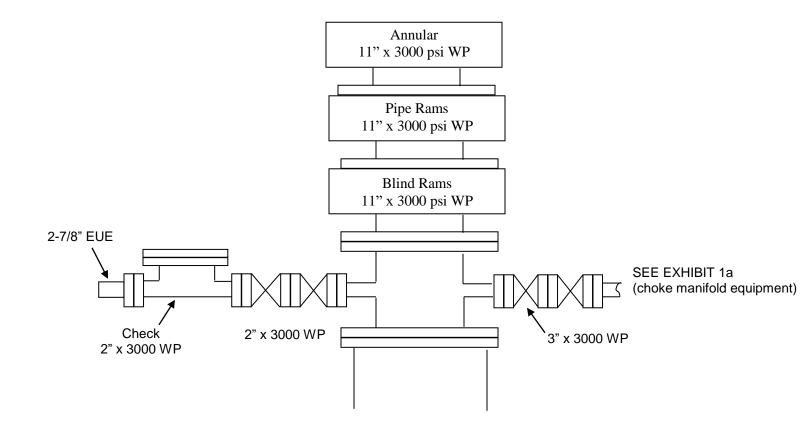


EXHIBIT 1

EOG Resources 3000 PSI BOPE



District I 1625 N. French Dr., Hobbs, NM 88240

District II

District IV

Phone:(575) 393-6161 Fax:(575) 393-0720

811 S. First St., Artesia, NM 88210 Phone: (575) 748-1283 Fax: (575) 748-9720

Phone:(505) 334-6178 Fax:(505) 334-6170

1220 S. St Francis Dr., Santa Fe, NM 87505 Phone:(505) 476-3470 Fax:(505) 476-3462

District III 1000 Rio Brazos Rd., Aztec, NM 87410 COMMENTS

Action 24928

State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division 1220 S. St Francis Dr. Santa Fe, NM 87505

COMMENTS										
Operator:			OGRID:	Action Number:	Action Type:					
EOG RESOURCES INC	P.O. Box 2267	Midland, TX79702	7377	24928	FORM 3160-3					
Created By	Comment		Comment Date							
kpickford	KP GEO Review 4/22/2021		04/22/2021							

CONDITIONS

Action 24928

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 Rd., Aztec, NM 87410

Phone:(505) 334-6178 Fax:(505) 334-6170 District IV 1220 S. St Francis Dr., Santa Fe, NM 87505

1220 S. St Francis Dr., Santa Fe, NM 87505 Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division 1220 S. St Francis Dr. Santa Fe, NM 87505

CONDITIONS OF APPROVAL

Operator:				OGRID		Action Number:	Action Type:		
	EOG RESOURCES INC	P.O. Box 2267	Midland, TX79702		7377	24928	FORM 3160-3		
						•			
OCD	Condition								
Reviewer									
kpickford	Surface Casing is required go to 320'								
kpickford	Notify OCD 24 hours prior to casing & cement								
kpickford	Will require a File As Drilled C-102 and a Directional Survey with the C-104								
kpickford	Once the well is spud, to prevent ground water contamination through whole or partial conduits from the surface, the operator shall drill without interruption through the fresh water zone or zones and shall immediately set in cement the water protection string								
kpickford	Cement is required to circulate or	n both surface and interme	diate1 strings of casing						
kpickford	Oil base muds are not to be used contained in a steel closed loop s		e cased and cemented providing isolatic	n from the oil or diesel.	This includes	synthetic oils. Oil based r	nud, drilling fluids and solids must be		