Form 3160-5 (August 2007)

UNITED STATES DEPARTMENT OF THE INTERIOR ISDAE Field Office Expire BUREAU OF LAND MANAGEMENT ISDAE FIELD FIEL

FORM APPROVED OMB NO. 1004-0135 Expires: July 31, 2010

SUNDRY Do not use th	NOTICES AND REPO is form for proposals to ill. Use form 3160-3 (AP	RTS ON WE drill or to re-	PCD]	Hobbs 6	NMNM121490 If Indian, Allottee or	Tribe Name		
					If Unit or CA/Agree	ment Name and/or No		
SUBMIT IN TR	IPLICATE - Other instruc	ctions on rev	erse side.	/	If Unit or CA/Agreement, Name and/or No. Well Name and No. BARLOW 27 FED COM 702H			
Type of Well	her	4		8				
Name of Operator EOG RESOURCES INCORP	Contact: ORATEDE-Mail: stan_wagr	STAN WAGN ner@eogresourc	IER ces.com	9	. API Well No. 30-025-42955-0	0-X1		
3a. Address			(include area cod	e) 1	0. Field and Pool, or WC-025 G09 S2			
MIDLAND, TX 79702		Ph: 432-68	0-3009		WC-025 G09 S2	.03327G		
Location of Well (Footage, Sec., 1	T., R., M., or Survey Description			1	1. County or Parish, a	and State		
Sec 27 T26S R33E NESE 22	00FSL 250FEL	HOBB	SOCD		LEA COUNTY, I	MM		
		HIN 1	7 2016					
12. CHECK APP	ROPRIATE BOX(ES) TO	DINDICATE	NATURE OF	NOTICE, REP	ORT, OR OTHER	RDATA		
TYPE OF SUBMISSION		REC	VETYPE	OF ACTION				
= Nuis Class	☐ Acidize	☐ Dee	pen ·	☐ Production	n (Start/Resume)	☐ Water Shut-Off		
Notice of Intent	☐ Alter Casing	☐ Frac	ture Treat	☐ Reclamati		☐ Well Integrity		
☐ Subsequent Report	☐ Casing Repair	□ New	Construction	☐ Recomple	pplete			
☐ Final Abandonment Notice	☐ Change Plans	☐ Plug	and Abandon	☐ Temporar	ily Abandon	Change to Original A		
	☐ Convert to Injection	Plug	Back	☐ Water Dis	posal	10		
EOG Resources requests an casing design, and the use of Attached are specific details in	a multi-bowl wellhead sy	ved APD for the stem.	nis well to reflec	ct changes in Bi	HL,			
		CEI	ATTAC	CHED FO	R			
					PROVAL			
		CO	NDITIO	NS OF AF	TROVAL			
4. I hereby certify that the foregoing is	s true and correct. Electronic Submission # For EOG RESOU nmitted to AFMSS for proc	JRCES INCOR	PORATED, sen	t to the Hobbs				
Name (Printed/Typed) STAN WA		ossing by 1 iti		LATORY ANAL				
					1. 1. 41.			
Signature (Electronic	Submission)		Date 05/26/	2016				
	THIS SPACE FO	OR FEDERA	L OR STATE	OFFICE USE				
approved By (BLM Approver Not	Specified) mustala	Hague.	Title	PETROLEUM	A ENGINEER	Date 06/14/2016		
nditions of approval, if any, are attache tify that the applicant holds legal or eq ich would entitle the applicant to cond	uitable title to those rights in the		Office Hobbs			Ka		
ion would enduc the applicant to condi	act operations increon.		OTHER HODDS		The second secon	1		

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.

PECOS DISTRICT CONDITIONS OF APPROVAL

OPERATOR'S NAME: | 1

EOG Resources

LEASE NO.:

NMNM121490

WELL NAME & NO.:

Barlow 27 Fed Com 702H

SURFACE HOLE FOOTAGE:

2200'/S & 250'/E

BOTTOM HOLE FOOTAGE

230'/S & 990'/E SEC 34

LOCATION:

Section 27, T.26 S., R.33 E., NMPM

COUNTY:

Lea County, New Mexico

A. CASING

All previous COAs still apply except the following:

Changes to the approved APD casing program need prior approval if the items substituted are of lesser grade or different casing size or are Non-API. The Operator can exchange the components of the proposal with that of superior strength (i.e. changing from J-55 to N-80, or from 36# to 40#). Changes to the approved cement program need prior approval if the altered cement plan has less volume or strength or if the changes are substantial (i.e. Multistage tool, ECP, etc.).

Centralizers required on surface casing per Onshore Order 2.III.B.1.f.

Wait on cement (WOC) for Water Basin:

After cementing but before commencing any tests, the casing string shall stand cemented under pressure until both of the following conditions have been met: 1) cement reaches a minimum compressive strength of 500 psi at the shoe, 2) until cement has been in place at least 8 hours. WOC time will be recorded in the driller's log. See individual casing strings for details regarding lead cement slurry requirements. DURING THIS WOC TIME, NO DRILL PIPE, ETC. SHALL BE RUN IN THE HOLE.

- 1. The 10 3/4 inch surface casing shall be set at approximately 1000 feet (in a competent bed below the Magenta Dolomite, which is a Member of the Rustler, and if salt is encountered, set casing at least 25 feet 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 is to include the lead cement slurry.
- 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.

Formation below the 10 3/4" shoe to be tested according to Onshore Order 2.III.B.1.i. Test to be done as a mud equivalency test using the mud weight necessary for the pore pressure of the formation below the shoe (not the mud weight required to prevent dissolving the salt formation) and the mud weight for the bottom of the hole. Report results to BLM office.

2.	The minimum	required 1	fill of ce	ement b	ehind th	he 7 5	8/8 inch	intermediate	casing is	
	1110 111111111111111111	required	THE OF CO	official C	orinina ti	110 / 0	"O IIIOII	michimodiate	oubiling is.	•

Cement to surface.	If cement does n	not circulate see A	1.1.a, c-d above.
--------------------	------------------	---------------------	-------------------

Formation below the 7 5/8 inch shoe to be tested according to Onshore Order 2.III.B.1.i. Test to be done as a mud equivalency test using the mud weight necessary for the pore pressure of the formation below the shoe (not the mud weight required to prevent dissolving the salt formation) and the mud weight for the bottom of the hole. Report results to BLM office.

Variance is granted for centralizers in the production interval per the drilling program.

3.	The minimum	required	fill of	cement	behind	the 5	1/2	inch	production	casing is:
----	-------------	----------	---------	--------	--------	-------	-----	------	------------	------------

Cement should tie-back at least 500 f	eet into previous casing string. Operator
shall provide method of verification.	Excess calculates to 20% - Additional
cement might be required.	

4. If hardband drill pipe is rotated inside casing, returns will be monitored for metal. If metal is found in samples, drill pipe will be pulled and rubber protectors which have a larger diameter than the tool joints of the drill pipe will be installed prior to continuing drilling operations.

B. PRESSURE CONTROL

- 1. All blowout preventer (BOP) and related equipment (BOPE) shall comply with well control requirements as described in Onshore Oil and Gas Order No. 2 and API 53.
- 2. Variance approved to use flex line from BOP to choke manifold. Check condition of flexible line from BOP to choke manifold, replace if exterior is damaged or if line fails test. Line to be as straight as possible with no hard bends and is to be anchored according to Manufacturer's requirements. The flexible hose can be exchanged with a hose of equal size and equal or greater pressure rating. Anchor requirements, specification sheet and hydrostatic pressure test certification matching the hose in service, to be onsite for review. These documents shall be posted in the company man's trailer and on the rig floor. If the BLM inspector questions the straightness of the hose, a BLM engineer will be contacted and will review in the field or via picture supplied by inspector to determine if changes are required (operator shall expect delays if this occurs).
- 3. Operator has proposed a **multi-bowl wellhead assembly**. This assembly (BOPE/BOPE) will be tested when installed on the surface casing. 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.
 - a. Wellhead shall be installed by manufacturer's representatives, submit documentation with subsequent sundry.
 - b. All BOP equipment will be tested utilizing a conventional test plug. Not a cup or J-packer type.
 - c. If the welding is performed by a third party, the manufacturer's representative shall monitor the temperature to verify that it does not exceed the maximum temperature of the seal.
 - d. Manufacturer representative shall install the test plug for the initial and all BOP testing.
 - e. Prior to running the intermediated casing, the rams will be changed out to accommodate the 7-5/8" casing. After installing the intermediate casing the casing rams will be removed and replaced with variable bore rams.
- Operator has broken a seal on the BOP stack therefore per Onshore Oil and Gas
 Order No. 2 the entire BOP stack shall be tested prior to drilling out the
 intermediated casing.
 - a. A solid steel body pack-off will be utilized after running & cementing the intermediate casing. After installation of the pack-off and lower flange will be pressure tested to 5000 psi.

b. If the cement does not circulate and one inch operations would have been possible with a standard wellhead, the well head shall be cut off, cementing operations performed and another wellhead installed.

5M system requires an HCR valve, remote kill line and annular to match. The remote kill line is to be installed prior to testing the system and tested to stack pressure

- 5. The appropriate BLM office shall be notified a minimum of 4 hours in advance for a representative to witness the tests.
 - a. In a water basin, for all casing strings utilizing slips, these are to be set as soon as the crew and rig are ready and any fallback cement remediation has been done. The casing cut-off and BOP installation can be initiated four hours after installing the slips, which will be approximately six hours after bumping the plug. For those casing strings not using slips, the minimum wait time before cut-off is eight hours after bumping the plug. BOP/BOPE testing can begin after cut-off or once cement reaches 500 psi compressive strength (including lead when specified), whichever is greater. However, if the float does not hold, cut-off cannot be initiated until cement reaches 500 psi compressive strength (including lead when specified).
 - b. The tests shall be done by an independent service company utilizing a test plug **not a cup or J-packer**.
 - c. The test shall be run on a 5000 psi chart for a 2-3M BOP/BOP, on a 10000 psi chart for a 5M BOP/BOPE and on a 15000 psi chart for a 10M BOP/BOPE. If a linear chart is used, it shall be a one hour chart. A circular chart shall have a maximum 2 hour clock. If a twelve hour or twenty-four hour chart is used, tester shall make a notation that it is run with a two hour clock.
 - d. The results of the test shall be reported to the appropriate BLM office.
 - e. All tests are required to be recorded on a calibrated test chart. A copy of the BOP/BOPE test chart and a copy of independent service company test will be submitted to the appropriate BLM office.
 - f. The BOP/BOPE test shall include a low pressure test from 250 to 300 psi. The test will be held for a minimum of 10 minutes if test is done with a test plug and 30 minutes without a test plug. This test shall be performed prior to the test at full stack pressure.
 - g. BOP/BOPE must be tested by an independent service company within 500 feet of the top of the 3rd Bone Springs formation if the time between the setting of the intermediate casing and reaching this depth exceeds 20 days.

This test does not exclude the test prior to drilling out the casing shoe as per Onshore Order No. 2.

MHH06142016

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., Sante 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. Sante Fe. NM 87505

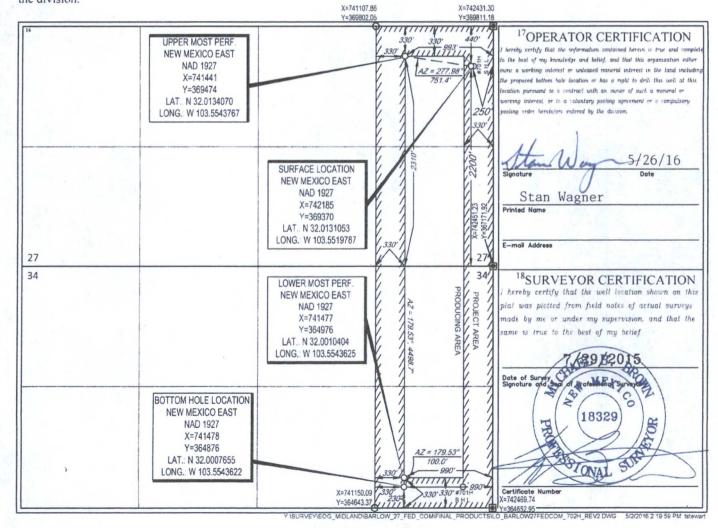
FORM C-102
Revised August 1, 2011
Submit one copy to appropriate
District Office

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

	API Number	r		Pool Code		³ Pool Name				
30-03	25-4295	55	98	98097 WC-025 G-09 S263327G; Upper Wolfcamp						
Property C	- 1		-	BAI	SProperty Nar	⁶ We	Well Number #702H			
7 ogrid 1				EOC	9E	Selevation 3314'				
					10 Surface Loc	ation				
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County	
I	27	26-S	33-E	-	2200'	SOUTH	250'	EAST	LEA	
UL or lot no.	Section	Township	Range	Lot ldn	Feet from the	North/South line	Feet from the	East/West line	Coun	
Н	34	26-S	33-E	-	230'	SOUTH	990'	EAST	LEA	
Dedicated Acres 156.52	¹³ Joint or	Infill 14Co	nsolidation Code	15Order	No.					

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.



1. GEOLOGIC NAME OF SURFACE FORMATION:

Permian

2. ESTIMATED TOPS OF IMPORTANT GEOLOGICAL MARKERS:

Rustler	835
Top of Salt	1,190'
Base of Salt / Top Anhydrite	4,845
Base Anhydrite	5,080
Lamar	5,080
Bell Canyon	5,106
Cherry Canyon	6,135
Brushy Canyon	7,860
Bone Spring Lime	9,310
1st Bone Spring Sand	10,225
2 nd Bone Spring Lime	10,460
2 nd Bone Spring Sand	10,820
3 rd Bone Spring Carb	11,120
3 rd Bone Spring Sand	11,830
Wolfcamp	12,260
TD	12,500

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

Upper Permian Sands		0-400	Fresh Water
Cherry Canyon		6,135	Oil
Brushy Canyon		7,860'	Oil
1st Bone Spring Sand		10,225	Oil
2 nd Bone Spring Lime		10,460	Oil
2 nd Bone Spring Sand		10,820	Oil
3 rd Bone Spring Carb	,	11,120'	Oil
3 rd Bone Spring Sand		11,830	Oil
Wolfcamp		12,260	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 10.75" casing at 860' and circulating cement back to surface.

4. CASING PROGRAM - NEW

Hole		Csg				DF _{min}	DF _{min}	DF _{min}
Size	Interval	OD	Weight	Grade	Conn	Collapse	Burst	Tension
14.75"	0-860,00	10.75"	40.5#	J55	STC	1.125	1.25	1.60
9.875"	0-8,000'	7.625"	29.7#	HCP-110	LTC	1.125	1.25	1.60
8.75"	8,000' - 11,200'	7.625"	29.7#	HCP-110	Ultra FJ	1.125	1.25	1.60
6.75"	0'-17,179'	5.5"	23#	HCP-110	ULT SFII	1.125	1.25	1.60

Color

Variance is requested to wave the centralizer requirements for the 7-5/8" FJ casing in the 8-3/4" hole size. An expansion additive will be utilized, in the cement slurry, for the entire length of the 8-3/4" hole interval to maximize cement bond and zonal isolation. Centralizers will be placed in the 9-7/8" hole interval at least one every third joint.

Variance is also requested to wave any centralizer requirements for the 5-1/2" FJ casing in the 6-3/4" hole size. An expansion additive will be utilized, in the cement slurry, for the entire length of the 6-3/4" hole interval to maximize cement bond and zonal isolation.

Cementing Program:

Depth	No. Sacks	Wt.	Yld Ft ³ /ft	Mix Water Gal/sk	Slurry Description
10-3/4" 860	325	13.5	1.73	9.13	Class C + 4.0% Bentonite + 0.6% CD-32 + 0.5% CaCl ₂ + 0.25 lb/sk Cello-Flake (TOC @ Surface)
1000	200	14.8	1.34	6.34	Class C + 0.6% FL-62 + 0.25 lb/sk Cello-Flake + 0.2% Sodium Metasilicate
7-5/8" 11,200°	1250	9.0	2.50	9.06	Class C + 0.6% ASM-3 + 0.15% CDF-4P + 0.6% LTR + 0.5% SCA-6 + 0.13 pps LCL-11 + 0.13 pps LDP-c-0215
	150	12.5	1.71	9.06	Class C + 0.6% LTR + 0.5% SCA-6 + 0.6% ASM-3 + 0.15% CDF-4P + 0.13% LCL-11 + 0.13% LCF-7
	525	15.6	1.19	5.20	Class H + 0.2% ASM-3 + 0.3% SCA-6 + 0.65% LTR + 0.3% SPC-2
5-1/2" 17,179	525	14.1	1.26	5.80	Class H + 0.1% C-20 + 0.05% CSA-1000 + 0.20% C-49 + 0.40% C-17



Note: Cement volumes based on bit size plus at least 25% excess in the open hole plus 10% excess in the cased-hole overlap section.

5. MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL: -OSEE COA



Variance is requested to use a co-flex line between the BOP and choke manifold (instead of using a 4" OD steel line).

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

Before drilling out of the surface casing, the ram-type BOP and accessory equipment will be tested to 5000/250 psig and the annular preventer to 5000/250 psig. The surface casing will be tested to 1500 psi for 30 minutes.

Before drilling out of the intermediate casing, the ram-type BOP and accessory equipment will be tested to 5000/250 psig and the annular preventer to 5000/250 psig. The intermediate casing will be tested to 2000 psi for 30 minutes.

Pipe rams will be operationally checked each 24-hour period. Blind rams will be operationally checked on each trip out of the hole. These checks will be noted on the daily tour sheets.

A hydraulically operated choke will be installed prior to drilling out of the intermediate casing shoe.

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.



100	Depth	Type	Weight (ppg)	Viscosity	Water Loss
	0-860, 1000	Fresh - Gel	8.6-8.8	28-34	N/c
8	360' – 11,200'	Brine	8.8-10.0	28-34	N/c
11	,200' – 17,179' Lateral	Oil Base	10.0-11.5	58-68	3 - 6

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:

Open-hole logs are not planned for this well.

GR-CCL Will be run in cased hole during completions phase of operations.

9. ABNORMAL CONDITIONS, PRESSURES, TEMPERATURES AND POTENTIAL HAZARDS: -D Abnormal prenowne my exist- SEE COA

The estimated bottom-hole temperature (BHT) at TD is 182 degrees F with an estimated maximum bottom-hole pressure (BHP) at TD of 7475 psig. No hydrogen sulfide or other hazardous gases or fluids have been encountered, reported or are known to exist at this depth in this area. Severe loss circulation is expected from 7,300° to Intermediate casing point.

10. ANTICIPATED STARTING DATE AND 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.

11. WELLHEAD: -OSEE (2A

A multi-bowl wellhead system will be utilized.

After running the 10-3/4" surface casing, a 13-5/8" BOP/BOPE system with a minimum working pressure of 5000 psi will be installed on the wellhead system and will be pressure tested to 250 psi low followed by a 5000 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 5000 psi.

The multi-bowl wellhead will be installed by vendor's representative(s). A copy of the installation instructions for the Stream Flo FBD100 Multi-Bowl WH system has been sent to the NM BLM office in Carlsbad, NM.

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.

A solid steel body pack-off will be utilized after running and cementing the intermediate casing. After installation the pack-off and lower flange will be pressure tested to 5000 psi. Prior to running the intermediate casing, the rams will be changed out to accommodate the 7-5/8" casing. The bonnet seals will be tested to 1500 psi. After installing the intermediate casing the casing rams will be removed and replaced with variable bore rams. The remaining BOPE will not be retested after installing the intermediate casing.

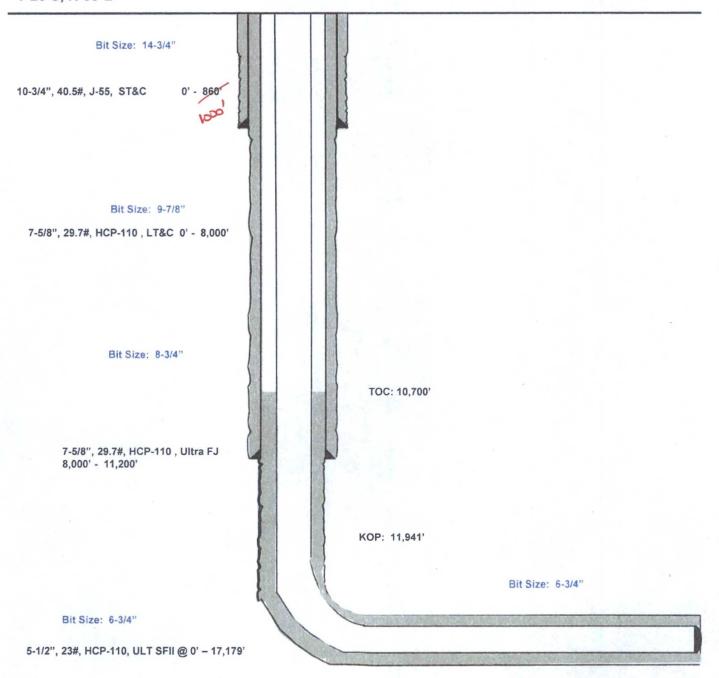
Both the surface and intermediate casing strings will be tested as per Onshore Order No. 2 to at least 0.22 psi/ft or 1500 psi, whichever is greater.

Wellhead drawing Attached.

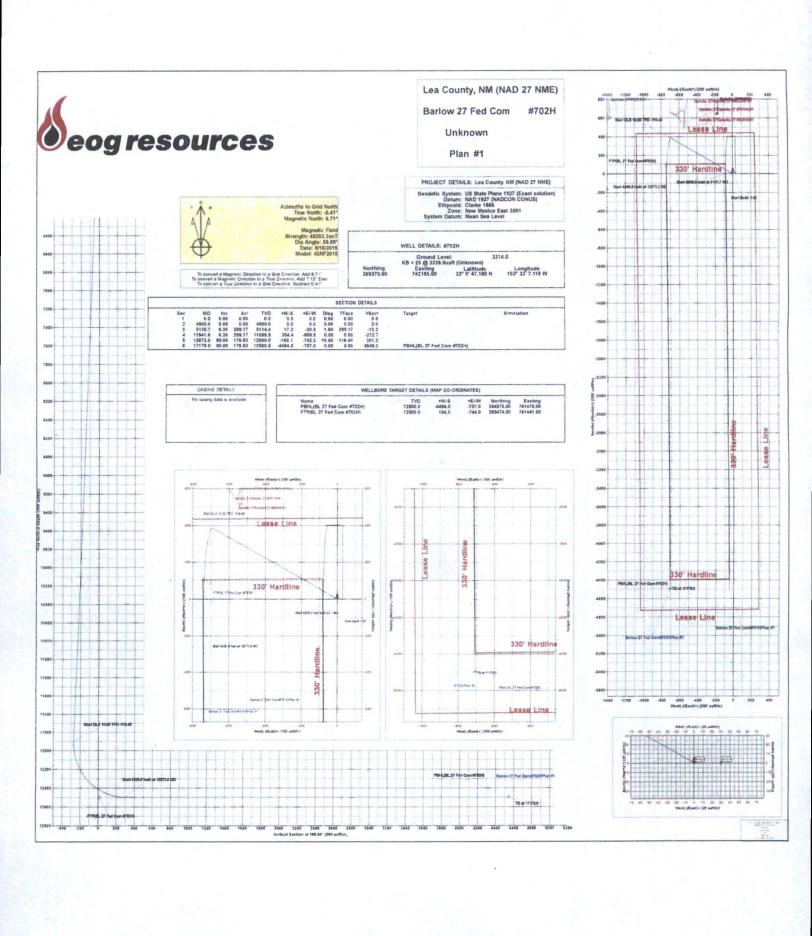
SEE D

2200' FSL 250' FEL Section 27 T-26-S, R-33-E Lea County, New Mexico Proposed Wellbore Revised 5/25/16 API: 30-025-42955

KB: 3,344' GL: 3,314'



Lateral: 17,179' MD, 12,500' TVD
Upper Most Perf:
2310' FSL & 993' FEL Sec. 27
Lower Most Perf:
330' FSL & 990' FEL Sec. 34
BH Location: 230' FSL & 990' FEL
Section 34
T-26-S, R-33-E





EOG Resources - Midland

Lea County, NM (NAD 27 NME) Barlow 27 Fed Com #702H

OH

Plan: Plan #1

Standard Planning Report

26 May, 2016



EOG Resources, Inc.

Planning Report

Database:

EDM 5000.1 Single User Db

Company: Project:

EOG Resources - Midland Lea County, NM (NAD 27 NME)

Site: Well: Barlow 27 Fed Com

Wellbore: Design:

#702H ОН Plan #1 Local Co-ordinate Reference:

TVD Reference: MD Reference:

North Reference: Survey Calculation Method: Well #702H

KB = 25 @ 3339.0usft (Unknown) KB = 25 @ 3339.0usft (Unknown)

Grid

Minimum Curvature

Project

Lea County, NM (NAD 27 NME)

Map System: Geo Datum:

US State Plane 1927 (Exact solution) NAD 1927 (NADCON CONUS)

New Mexico East 3001

System Datum:

Mean Sea Level

Map Zone: Site

Barlow 27 Fed Com

Site Position:

Man

Northing: Easting: Slot Radius: 369,370,00 usft 742.215.00 usft

Latitude: Longitude: 32° 0' 47.177 N

Position Uncertainty:

Position Uncertainty

0.0 usft

IGRF2015

13-3/16"

Grid Convergence:

103° 33' 6.771 W

0.41°

Well

Well Position

From:

#702H

+E/-W

+N/-S

0.0 usft -30.0 usft

Northing: Easting:

369,370.00 usft 742.185.00 usft Latitude: Longitude:

32° 0' 47.179 N 103° 33' 7.119 W

3,314.0 usft

0.0 usft 0.0 usft Ground Level: Wellhead Elevation:

7.13

Wellbore

OH

Model Name Magnetics

Sample Date

8/18/2015

Declination (°)

Dip Angle (°)

Field Strength

(nT)

48,003

Design

Plan #1

Audit Notes:

Version:

Phase:

PLAN

Tie On Depth:

0.0

59.89

Vertical Section:

Depth From (TVD) (usft) 0.0

+N/-S (usft) 0.0

+F/-W (usft) 0.0

Direction (°) 188.94

Plan Sections Vertical Build Measured Dogleg Turn Depth Inclination Azimuth Depth +N/-S +E/-W Rate Rate Rate TFO (usft) (usft) (°/100usft) (°/100usft) (°/100usft) (°) (°) (usft) (usft) (°) Target 0.00 0.00 0.00 0.0 0.00 0.0 0.0 0.0 0.00 0.00 4,500.0 0.00 0.00 0.00 4.500.0 0.00 0.00 0.0 0.0 0.00 5,135.7 299.17 5,134.4 17.2 -30.8 1.00 1.00 0.00 299.17 6.36 0.00 0.00 0.00 11.941.6 6.36 299.17 11 898.5 384.4 -688.8 0.00 12,500.0 -742.3 10.00 -12 84 -119 48 12.873.0 90.00 179.53 -188.1 8.98 0.00 0.00 PBHL(BL 27 Fed Con 12,500.0 -707 O 0.00 0.00 17,179.0 90.00 179.53 -4.494.0

Seog resources

EOG Resources, Inc.

Planning Report

Database: Company: Project: Site: EDM 5000.1 Single User Db EOG Resources - Midland Lea County, NM (NAD 27 NME)

Barlow 27 Fed Com

Well: #702H Wellbore: OH Design: Plan #1 Local Co-ordinate Reference:

TVD Reference: MD Reference: North Reference:

Survey Calculation Method:

Well #702H

KB = 25 @ 3339.0usft (Unknown) KB = 25 @ 3339.0usft (Unknown)

Grid

esign:	MARKS STATE OF THE	Plan #1			19 19 4	11 E-20 - 11518				
lanned	d Survey									
	Measured			Vertical			Vertical	Dogleg	Build	Turn
							Section	Rate	Rate	Rate
	Depth (usft)	Inclination (°)	Azimuth (°)	Depth (usft)	+N/-S (usft)	+E/-W (usft)	(usft)	(°/100usft)	(°/100usft)	(°/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
			0.00		0.0	0.0	0.0	0.00	0.00	0.00
	200.0	0.00		200.0						
	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
		0.00	0.00	1,100.0	0.0	0.0	0.0	0.00	0.00	0.00
	1,100.0								0.00	0.00
	1,200.0	0.00	0.00	1,200.0	0.0	0.0	0.0	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
								0.00	0.00	0.00
	2,000.0	0.00	0.00	2,000.0	0.0	0.0	0.0			
	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
			0.00		0.0	0.0	0.0	0.00	0.00	0.00
	2,800.0 2,900.0	0.00	0.00	2,800.0 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
	3,100.0	0.00	0.00	3,100.0	0.0	0.0	0.0	0.00	0.00	0.00
	3,200.0	0.00	0.00	3,200.0	0.0	0.0	0.0	0.00	0.00	0.00
	3,300.0	0.00	0.00	3,300.0	0.0	0.0	0.0	0.00	0.00	0.00
	3,400.0	0.00	0.00	3,400.0	0.0	0.0	0.0	0.00	0.00	0.00
	3,500.0	0.00	0.00	3,500.0	0.0	0.0	0.0	0.00	0.00	0.00
	3,600.0	0.00	0.00	3,600.0	0.0	0.0	0.0	0.00	0.00	0.00
	3,700.0	0.00	0.00	3,700.0	0.0	0.0	0.0	0.00	0.00	0.00
							0.0	0.00	0.00	0.00
	3,800.0 3,900.0	0.00	0.00	3,800.0	0.0	0.0	0.0	0.00	0.00	0.00
	4,000.0	0.00	0.00	4,000.0	0.0	0.0	0.0	0.00	0.00	0.00
	4,100.0	0.00	0.00	4,100.0	0.0	0.0	0.0	0.00	0.00	0.00
	4,200.0	0.00	0.00	4,200.0	0.0	0.0	0.0	0.00	0.00	0.00
	4,300.0	0.00	0.00	4,300.0	0.0	0.0	0.0	0.00	0.00	0.00
	4,400.0	0.00	0.00	4,400.0	0.0	0.0	0.0	0.00	0.00	0.00
	4,500.0	0.00	0.00	4,500.0	0.0	0.0	0.0	0.00	0.00	0.00
	4,600.0	1.00	299.17	4,600.0	0.4	-0.8	-0.3	1.00	1.00	0.00
			299.17		1.7	-3.0	-1.2	1.00	1.00	0.00
	4,700.0	2.00		4,700.0						
	4,800.0	3.00	299.17	4,799.9	3.8	-6.9	-2.7 -4.8	1.00	1.00	0.00
	4,900.0	4.00	299.17	4,899.7	6.8	-12.2				
	5,000.0	5.00	299.17	4,999.4	10.6	-19.0	-7.5	1.00	1.00	0.00
	5,100.0	6.00	299.17	5,098.9	15.3	-27.4	-10.9	1.00	1.00	0.00
	5,135.7	6.36	299.17	5,134.4	17.2	-30.8	-12.2	1.00	1.00	0.00
	5,200.0	6.36	299.17	5,198.3	20.6	-37.0	-14.6	0.00	0.00	0.00

Seogresources

EOG Resources, Inc.

Planning Report

Database: Company: Project: EDM 5000.1 Single User Db EOG Resources - Midland Lea County, NM (NAD 27 NME)

Barlow 27 Fed Com

Well: Wellbore: Design:

Site:

#702H OH Plan #1 Local Co-ordinate Reference:

TVD Reference: MD Reference: North Reference:

Survey Calculation Method:

Well #702H

KB = 25 @ 3339.0usft (Unknown) KB = 25 @ 3339.0usft (Unknown)

Grid

AND MAKE THE RESERVE					THE RESIDENCE	C RIWIT A DO				
lanned Survey										
Measured Depth	Inclination	Azimuth	Vertical Depth	+N/-S	+E/-W	Vertical Section	Dogleg Rate	Build Rate	Turn Rate	
(usft)	(°)	(°)	(usft)	(usft)	(usft)	(usft)	(°/100usft)	(°/100usft)	(°/100usft)	
5,300.0	6.36	299.17	5,297.7	26.0	-46.6	-18.5	0.00	0.00	0.00	
5,400.0	6.36	299.17	5,397.1	31.4	-56 3	-22.3	0.00	0.00	0.00	
5,500.0	6.36	299.17	5,496.5	36.8	-66.0	-26.1	0.00	0.00	0.00	
5,600.0	6.36	299.17	5.595.8	42.2	-75.7	-30.0	0.00	0.00	0.00	
5,700.0	6.36	299.17	5,695.2	47.6	-85.3	-33.8	0.00	0.00	0.00	
5,800.0	6.36	299.17	5,794.6	53.0	-95.0	-37.6	0.00	0.00	0.00	
F 000 0	0.00	200.47	5,004.0	50.4	4047					
5,900.0	6.36	299.17	5,894.0	58.4	-104.7	-41.4	0.00	0.00	0.00	
6,000.0	6.36	299.17	5,993.4	63.8	-114.3	-45.3	0.00	0.00	0.00	
6,100.0	6.36	299.17	6,092.8	69.2	-124.0	-49.1	0.00	0.00	0.00	
6,200.0	6.36	299.17	6,192.2	74.6	-133.7	-52.9	0.00	0.00	0.00	
6,300.0	6.36	299.17	6,291.5	80.0	-143.3	-56.7	0.00	0.00	0.00	
6,400.0	6.36	299.17	6,390.9	85.4	-153.0	-60.6	0.00	0.00	0.00	
6,500.0	6.36	299.17	6,490.3	90.8	-162.7	-64.4	0.00	0.00	0.00	
6,600.0	6.36	299.17	6,589.7	96.2	-172.3	-68.2	0.00	0.00	0.00	
6,700.0	6.36	299.17	6,689.1	101.6	-182.0	-72.1	0.00	0.00	0.00	
6,800.0	6.36	299.17	6,788.5	107.0	-1917	-75.9	0.00	0.00	0.00	
6,900.0	6.36	299.17	6,887.8	112.4	201 2	76.7	0.00	0.00	0.00	
7,000.0	6.36	299.17	6,987.2	112.4 117.8	-201.3 -211.0	-79.7 -83.5	0.00	0.00	0.00	
7,100.0		299.17		The second secon			0.00	0.00	0.00	
7,100.0	6.36	299.17	7,086.6	123.2	-220.7	-87 4	0.00	0.00	0.00	
	6.36		7,186.0	128.6	-230.3	-91.2	0.00	0.00	0.00	
7,300.0	6.36	299.17	7,285.4	134.0	-240.0	-95 0	0.00	0.00	0.00	
7,400.0	6.36	299.17	7,384.8	139.3	-249.7	-98.9	0.00	0.00	0.00	
7,500.0	6.36	299.17	7,484.2	144.7	-259.3	-102.7	0.00	0.00	0.00	
7,600.0	6.36	299.17	7,583.5	150.1	-269.0	-106.5	0.00	0.00	0.00	
7,700.0	6.36	299.17	7,682.9	155.5	-278.7	-110.3	0.00	0.00	0.00	
7,800.0	6.36	299.17	7.782.3	160.9	-288.4	-114.2	0.00	0.00	0.00	
7,900.0	6.36	299.17	7,881.7	166.3	-298.0	-118.0	0.00	0.00	0.00	
8,000.0	6.36	299.17	7,981.1	171.7	-307.7	-121.8	0.00	0.00	0.00	
8,100.0	6.36	299.17	8,080.5	177.1	-317.4	-125.6	0.00	0.00	0.00	
8,200.0	6.36	299.17	8,179.9	182.5	-327.0	-129.5	0.00	0.00	0.00	
8,300.0	6.36	299.17	8,279.2	187.9	-336.7	-133.3	0.00	0.00	0.00	
8,400.0	6.36	299.17	8,378.6	193.3	-346.4	-137 1	0.00	0.00	0.00	
8,500.0	6.36	299.17	8,478.0	198.7	-356.0	-141.0	0.00	0.00	0.00	
8,600.0	6.36	299.17	8,577.4	204.1	-365.7	-144.8	0.00	0.00	0.00	
8,700.0	6.36	299.17	8,676.8	209.5	-375.4	-148.6	0.00	0.00	0.00	
8,800.0	6.36	299.17	8,776.2	214.9	-385.0	-152.4	0.00	0.00	0.00	
8,900.0	6.36	299.17	8,875.6	220.3	-394.7	-156.3	0.00	0.00	0.00	
9,000.0	6.36	299.17	8,974.9	225.7	-404.4	-160.1	0.00	0.00	0.00	
9,100.0	6.36	299.17	9,074.3	231.1	-414.0	-163.9	0.00	0.00	0.00	
9,200.0	6.36	299.17	9,173.7	236.5	-423.7	-167.8	0.00	0.00	0.00	
9,300.0	6.36	299.17	9,273.1	241.9	-433.4	-171.6	0.00	0.00	0.00	
9,400.0	6.36	299.17	9,372.5	247.3	-443.0	-175.4	0.00	0.00	0.00	
9,500.0	6.36	299.17	9,471.9	252.7	-452.7	-179.2	0.00	0.00	0.00	
9,600.0	6.36	299.17	9,571.2	258.1	-462.4	-183.1	0.00	0.00	0.00	
9,700.0	6.36	299.17	9,670.6	263.5	-472.0	-186.9	0.00	0.00	0.00	
9,800.0	6.36	299.17	9,770.0	268.9	-481.7	-190.7	0.00	0.00	0.00	
9,900.0	6.36	299.17	9,869.4	274.2	-491.4	-194.5	0.00	0.00	0.00	
10,000.0	6.36	299.17	9,968.8	279.6	-501.1	-198.4	0.00	0.00	0.00	
10,100.0	6.36	299.17	10.068.2	285.0	-510.7	-202.2	0.00	0.00	0.00	
10,200.0	6.36	299.17	10.167.6	290.4	-520.4	-206.0	0.00	0.00	0.00	
10.300.0	6.36	299.17	10.266.9	295.8	-530.1	-209.9	0.00	0.00	0.00	
10,400.0	6.36	299.17	10,366.3	301.2	-539.7	-213.7	0.00	0.00	0.00	
10,500.0	6.36	299.17	10,465.7	306.6	-549.4	-217.5	0.00	0.00	0.00	
10,600.0	6.36	299.17	10,565.1	312.0	-559.1	-221.3	0.00	0.00	0.00	

eog resources

EOG Resources, Inc.

Planning Report

Database: Company: EDM 5000.1 Single User Db EOG Resources - Midland Lea County, NM (NAD 27 NME)

Project: Site:

Barlow 27 Fed Com

Well: Wellbore: Design: #702H OH Plan #1 Local Co-ordinate Reference:

TVD Reference:
MD Reference:
North Reference:

Survey Calculation Method:

Well #702H

KB = 25 @ 3339.0usft (Unknown) KB = 25 @ 3339.0usft (Unknown)

Grid

nned Survey											
	M.										
Measured Depth	Inclination	Azimuth	Vertical Depth	+N/-S	+E/-W	Vertical Section	Dogleg Rate	Build Rate	Turn Rate		
(usft)	(°)	(°)	(usft)	(usft)	(usft)	(usft)	(°/100usft)	(°/100usft)	(°/100usft)		
10,700.0	6.36	299.17	10.664.5	317.4	-568.7	-225.2	0.00	0.00	0.00		
10,800.0	6.36	299.17	10,763.9	322.8	-578.4	-229.0	0.00	0.00	0.00		
10,900.0	6.36	299.17	10.863.3	328.2	-588.1	-232.8	0.00	0.00	0.00		
11,000.0	6.36	299.17	10,962.6	333.6	-597.7	-236.7	0.00	0.00	0.00		
11,100.0	6.36	299.17	11,062.0	339.0	-607.4	-240.5	0.00	0.00	0.00		
11,200.0	6.36	299.17	11,161.4	344.4	-617.1	-244.3	0.00	0.00	0.00		
11,300.0	6.36	299.17	11,260.8	349.8	-626.7	-248.1	0.00	0.00	0.00		
11,400.0	6.36	299.17	11,360.2	355.2	-636.4	-252.0	0.00	0.00	0.00		
11,500.0	6.36	299.17	11,459.6	360.6	-646.1	-255.8	0.00	0.00	0.00		
11,600.0	6.36	299.17	11,559.0	366.0	-655.7	-259.6	0.00	0.00	0.00		
11,700.0	6.36	299.17	11,658.3	371.4	-665.4	-263.5	0.00	0.00	0.00		
11,800.0	6.36	299.17	11,757.7	376.8	-675.1	-267.3	0.00	0.00	0.00		
11,900.0	6.36	299.17	11.857.1	382.2	-684.7	-271.1	0.00	0.00	0.00		
11,941.6	6.36	299.17	11,898.5	384.4	-688.8	-272.7	0.00	0.00	0.00		
11,950.0	5.99	292.17	11.906.8	384.8	-689.6	-273.0	10.00	-4.39	-83.63		
12,000.0	6.15	243.47	11,956.6	384.6	-694.4	-272.0	10.00	0.33	-97.39		
12.050.0	9.47	215.02	12,006.1	380.0	-699.2	-266.7	10.00	6.63	-56.91		
12.100.0	13.83	202.69	12,055.1	371.1	-703.8	-257.2	10.00	8.73	-24.66		
12.150.0	18.52	196.34	12,103.1	358.0	-708.4	-243.6	10.00	9.37	-12.70		
12.200.0	23.33	192.51	12,149.8	340.7	-712.7	-245.8	10.00	9.62	-7.66		
12,250.0	28.20	189.93	12,149.8	319.4	-716.9	-204.1	10.00	9.75	-5.15		
12,250.0	33.11	188.07	12,194.8	294.2	-710.9	-178.6	10.00	9.82	-3.73		
				1							
12,350.0	38.04	186.64	12,278.4	265.4	-724.6	-149.5	10.00	9.86	-2.86		
12,400.0	42.99	185.49	12,316.4	233.1	-728.0	-117.1	10.00	9.89	-2.29		
12,450.0	47.94	184.54	12,351.5	197.6	-731.1	-81.6	10.00	9.91	-1.90		
12,500.0	52.90	183.73	12,383.3	159.2	-733.9	-43.2	10.00	9.92	-1.63		
12,550.0	57.87	183.02	12,411.7	118.1	-736.3	-2.2	10.00	9.93	-1.43		
12,600.0	62.84	182.38	12,436.5	74.7	-738.3	40.9	10.00	9.94	-1.28		
12.600.1	62.84	182.38	12,436.5	74.6	-738.3	41.0	0.00	0.00	0.00		
	Fed Com #702H)						,				
12.650.0	67.81	181.79	12,457.3	29.3	-740.0	86.0	10.02	9.97	-1.17		
12.700.0	72.78	181.25	12,474.2	-17.7	-741.2	132.7	10.00	9.95	-1.09		
12.750.0	77.76	180.73	12,474.2	-66.1	-742.1	180.6	10.00	9.95	-1.03		
				11							
12.800.0	82.73	180.24	12,495.4	-115.3	-742.5	229.3	10.00	9.95	-0.99		
12,850.0	87.71	179.75	12,499.5	-165.1	-742.5	278.5	10.00	9.95	-0.97		
12,873.0	90.00	179.53	12,500.0	-188.1	-742.3	301.2	10.00	9.95	-0.96		
12,900.0	90.00	179.53	12.500.0	-215.1	-742.1	327.8	0.00	0.00	0.00		
13,000.0	90.00	179.53	12,500.0	-315.1	-741.3	426.5	0.00	0.00	0.00		
13,100.0	90.00	179.53	12,500.0	-415.1	-740.5	525.1	0.00	0.00	0.00		
13,200.0	90.00	179.53	12.500.0	-515.1	-739.6	623.8	0.00	0.00	0.00		
13,300.0	90.00	179.53	12,500.0	-615.1	-738.8	722.5	0.00	0.00	0.00		
13,400.0	90.00	179.53	12,500.0 -	-715.1	-738.0	821.1	0.00	0.00	0.00		
13,500.0	90.00	179.53	12,500.0	-815.1	-737.2	919.8	0.00	0.00	0.00		
13,600.0	90.00	179.53	12,500.0	-915.1	-736.4	1.018.4	0.00	0.00	0.00		
13,700.0	90.00	179.53	12,500.0	-1.015.1	-735.5	1,117.1	0.00	0.00	0.00		
13,800.0	90.00	179.53	12,500.0	-1.115.1	-734.7	1,215.7	0.00	0.00	0.00		
13,900.0	90.00	179.53	12,500.0	-1.215.1	-733.9	1.314.4	0.00	0.00	0.00		
14,000.0	90.00	179.53	12,500.0	-1,215.1	-733.9	1,413.0	0.00	0.00	0.00		
14,100.0	90.00	179.53	12,500.0	-1,415.1	-732.3	1.511.7	0.00	0.00	0.00		
14.200.0	90.00	179.53	12,500.0	-1,515.1	-731.4	1,610.3	0.00	0.00	0.00		
14,300.0	90.00	179.53	12,500.0	-1,615.1	-730.6	1,709.0	0.00	0.00	0.00		
14,400.0	90.00	179.53	12,500.0	-1,715.1	-729.8	1.807.7	0.00	0.00	0.00		
14,500.0	90.00	179.53	12,500.0	-1,815.1	-729.0	1,906.3	0.00	0.00	0.00		

eog resources

EOG Resources, Inc.

Planning Report

Database: Company: Project: EDM 5000.1 Single User Db EOG Resources - Midland Lea County, NM (NAD 27 NME) Barlow 27 Fed Com

Site: Well:

Well: #702H Wellbore: OH Design: Plan #1 Local Co-ordinate Reference:

TVD Reference: MD Reference: North Reference:

North Reference: Survey Calculation Method: Well #702H

KB = 25 @ 3339.0usft (Unknown) KB = 25 @ 3339.0usft (Unknown)

Grid

ed 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)
14,600.0	90.00	179.53	12,500.0	-1,915.1	-728.2	2,005.0	0.00	0.00	0.00
14.700.0	90.00	179.53	12.500.0	-2,015.1	-727.3	2,103.6	0.00	0.00	0.00
14,800.0	90.00	179.53	12,500.0	-2,115.1	-726.5	2,202.3	0.00	0.00	0.00
14,900.0	90.00	179.53	12,500.0	-2,215.1	-725.7	2,300.9	0.00	0.00	0.00
15,000.0	90.00	179.53	12,500.0	-2,315.1	-724.9	2,399.6	0.00	0.00	0.00
15,100.0	90.00	179.53	12,500.0	-2,415.0	-724.1	2,498.2	0.00	0.00	0.00
15,200.0	90.00	179.53	12,500.0	-2,515.0	-723.2	2,596.9	0.00	0.00	0.00
15,300.0	90.00	179.53	12,500.0	-2,615.0	-722.4	2,695.5	0.00	0.00	0.00
15,400.0	90.00	179.53	12,500.0	-2,715.0	-721.6	2,794.2	0.00	0.00	0.00
15,500.0	90.00	179.53	12,500.0	-2,815.0	-720.8	2,892.8	0.00	0.00	0.00
15,600.0	90.00	179.53	12,500.0	-2,915.0	-720.0	2,991.5	0.00	0.00	0.00
15,700.0	90.00	179.53	12,500.0	-3,015.0	-719.1	3,090.2	0.00	0.00	0.00
15,800.0	90.00	179.53	12,500.0	-3,115.0	-718.3	3,188.8	0.00	0.00	0.00
15.900.0	90.00	179.53	12,500.0	-3,215.0	-717.5	3,287.5	0.00	0.00	0.00
16,000.0	90.00	179.53	12,500.0	-3,315.0	-716.7	3,386.1	0.00	0.00	0.00
16,100.0	90.00	179.53	12,500.0	-3,415.0	-715.9	3,484.8	0.00	0.00	0.00
16,200.0	90.00	179.53	12,500.0	-3,515.0	-715.0	3,583.4	0.00	0.00	0.00
16,300.0	90.00	179.53	12,500.0	-3,615.0	-714.2	3,682.1	0.00	0.00	0.00
16,400.0	90.00	179.53	12,500.0	-3,715.0	-713.4	3.780.7	0.00	0.00	0.00
16,500.0	90.00	179.53	12,500.0	-3,815.0	-712.6	3,879.4	0.00	0.00	0.00
16,600.0	90.00	179.53	12,500.0	-3,915.0	-711.7	3,978.0	0.00	0.00	0.00
16,700.0	90.00	179.53	12.500.0	-4.015.0	-710.9	4.076.7	0.00	0.00	0.00
16,800.0	90.00	179.53	12,500.0	-4,115.0	-710.1	4,175.4	0.00	0.00	0.00
16,900.0	90.00	179.53	12,500.0	-4,215.0	-709.3	4.274.0	0.00	0.00	0.00
17,000.0	90.00	179.53	12,500.0	-4,315.0	-708.5	4.372.7	0.00	0.00	0.00
17.100.0	90.00	179.53	12,500.0	-4,415.0	-707.6	4,471.3	0.00	0.00	0.00
17,179.0	90.00	179.53	12,500.0	-4,494.0	-707.0	4,549.3	0.00	0.00	0.00

Target Name - hit/miss target - Shape	Oip Angle	Dip Dir.	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
	A. Carrier	14 5 1 1 1 1	STATE OF THE PARTY	- Particular States		The state of the s	1000000	Latitude	Longitude
PBHL(BL 27 Fed Com # - plan hits target cente - Point	0.00 r	0.00	12,500.0	-4.494.0	-707.0	364,876.00	741,478.00	32° 0' 2.758 N	103° 33' 15.706 W
TP(BL 27 Fed Com #70 - plan misses target ce - Point	0.00 enter by 70.2	0.01 usft at 1260	12,500.0 0.1usft MD (104.0 12436.5 TVD,	-744.0 74.6 N, -738.3	369,474.00 3 E)	741,441.00	32° 0' 48.262 N	103° 33' 15.751 W