Form 3160-5 (June 2019)

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0137
Expires: October 31, 202

5.	Lease	Serial No.	NIMNIM1

Beit			NMNM108971		
	NOTICES AND REPORTS ON Water for proposals to drill or to		6. If Indian, Allottee of	or Tribe Name	
	Use Form 3160-3 (APD) for suc				
SUBMIT IN	TRIPLICATE - Other instructions on pag	e 2	7. If Unit of CA/Agre	ement, Name and/or No.	
1. Type of Well	_	9 Wall Name and N			
Oil Well Gas V	—	o. well Name and No	JEFE 29 FED COM/728H		
2. Name of Operator EOG RESOUR		9. API Well No. 30-0	25-48858		
3a. Address 1111 BAGBY SKY LOE	BBY 2, HOUSTON, TX 77(3b. Phone No. (713) 651-70	10. Field and Pool or WC-025 G-07 S25	Exploratory Area 53216D; UPPER WOLFCAMP		
4. Location of Well (Footage, Sec., T.,I SEC 29/T25S/R32E/NMP	R.,M., or Survey Description)	11. Country or Parish LEA/NM	, State		
12. CHE	CK THE APPROPRIATE BOX(ES) TO INI	DICATE NATURE OF NOTI	ICE, REPORT OR OT	HER DATA	
TYPE OF SUBMISSION		TYPE OF AC	TION		
Notice of Intent		raulic Fracturing Recl	luction (Start/Resume) amation	Water Shut-Off Well Integrity	
Subsequent Report			omplete porarily Abandon	✓ Other	
Final Abandonment Notice			er Disposal		
completed. Final Abandonment No is ready for final inspection.) EOG respectfully requests an the following changes: Change name from 728H to June Change target formation to Williams and cement process.	olfcamp Clastics Y.	s, including reclamation, hav			
14. I hereby certify that the foregoing is STAR HARRELL / Ph: (432) 848-9	true and correct. Name (<i>Printed/Typed</i>) 161	Regulatory Speciali	st		
Signature		Date	09/21/2	2022	
	THE SPACE FOR FED	ERAL OR STATE OF	ICE USE		
Approved by					
KEITH P IMMATTY / Ph: (575) 98	8-4722 / Approved	ENGINEER Title		10/13/2022 Date	
	hed. Approval of this notice does not warran equitable title to those rights in the subject leaduct operations thereon.				
	3 U.S.C Section 1212, make it a crime for an ents or representations as to any matter with		Ifully to make to any d	epartment or agency of the United States	

(Instructions on page 2)

GENERAL INSTRUCTIONS

This form is designed for submitting proposals to perform certain well operations and reports of such operations when completed as indicated on Federal and Indian lands pursuant to applicable Federal law and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local area or regional procedures and practices, are either shown below, will be issued by or may be obtained from the local Federal office.

SPECIFIC INSTRUCTIONS

Item 4 - Locations on Federal or Indian land should be described in accordance with Federal requirements. Consult the local Federal office for specific instructions.

Item 13: Proposals to abandon a well and subsequent reports of abandonment should include such special information as is required by the local Federal office. In addition, such proposals and reports should include reasons for the abandonment; data on any former or present productive zones or other zones with present significant fluid contents not sealed off by cement or otherwise; depths (top and bottom) and method of placement of cement plugs; mud or other material placed below, between and above plugs; amount, size, method of parting of any casing, liner or tubing pulled and the depth to the top of any tubing left in the hole; method of closing top of well and date well site conditioned for final inspection looking for approval of the abandonment. If the proposal will involve **hydraulic fracturing operations**, you must comply with 43 CFR 3162.3-3, including providing information about the protection of usable water. Operators should provide the best available information about all formations containing water and their depths. This information could include data and interpretation of resistivity logs run on nearby wells. Information may also be obtained from state or tribal regulatory agencies and from local BLM offices.

NOTICES

The privacy Act of 1974 and the regulation in 43 CFR 2.48(d) provide that you be furnished the following information in connection with information required by this application.

AUTHORITY: 30 U.S.C. 181 et seq., 351 et seq., 25 U.S.C. 396; 43 CFR 3160.

PRINCIPAL PURPOSE: The information is used to: (1) Evaluate, when appropriate, approve applications, and report completion of subsequent well operations, on a Federal or Indian lease; and (2) document for administrative use, information for the management, disposal and use of National Resource lands and resources, such as: (a) evaluating the equipment and procedures to be used during a proposed subsequent well operation and reviewing the completed well operations for compliance with the approved plan; (b) requesting and granting approval to perform those actions covered by 43 CFR 3162.3-2, 3162.3-3, and 3162.3-4; (c) reporting the beginning or resumption of production, as required by 43 CFR 3162.4-1(c)and (d) analyzing future applications to drill or modify operations in light of data obtained and methods used.

ROUTINE USES: Information from the record and/or the record will be transferred to appropriate Federal, State, local or foreign agencies, when relevant to civil, criminal or regulatory investigations or prosecutions in connection with congressional inquiries or to consumer reporting agencies to facilitate collection of debts owed the Government.

EFFECT OF NOT PROVIDING THE INFORMATION: Filing of this notice and report and disclosure of the information is mandatory for those subsequent well operations specified in 43 CFR 3162.3-2, 3162.3-3, 3162.3-4.

The Paperwork Reduction Act of 1995 requires us to inform you that:

The BLM collects this information to evaluate proposed and/or completed subsequent well operations on Federal or Indian oil and gas leases.

Response to this request is mandatory.

The BLM would like you to know that you do not have to respond to this or any other Federal agency-sponsored information collection unless it displays a currently valid OMB control number.

BURDEN HOURS STATEMENT: Public reporting burden for this form is estimated to average 8 hours per response, including the time for reviewing instructions, gathering and maintaining data, and completing and reviewing the form. Direct comments regarding the burden estimate or any other aspect of this form to U.S. Department of the Interior, Bureau of Land Management (1004-0137), Bureau Information Collection Clearance Officer (WO-630), 1849 C St., N.W., Mail Stop 401 LS, Washington, D.C. 20240

(Form 3160-5, page 2)

Additional Information

Location of Well

 $0. \ SHL: \ NESE\ /\ 1740\ FSL\ /\ 773\ FEL\ /\ TWSP: 25S\ /\ RANGE: 32E\ /\ SECTION: 29\ /\ LAT: 32.0989107\ /\ LONG: -103.6911309\ (\ TVD: 0\ feet, MD: 0\ feet\)$ $PPP: \ NESE\ /\ 2536\ FSL\ /\ 330\ FEL\ /\ TWSP: 25S\ /\ RANGE: 32E\ /\ SECTION: 29\ /\ LAT: 32.1011027\ /\ LONG: -103.6897044\ (\ TVD: 11990\ feet, MD: 12084\ feet\)$ $BHL: \ SESE\ /\ 100\ FSL\ /\ 330\ FEL\ /\ TWSP: 25S\ /\ RANGE: 32E\ /\ SECTION: 32\ /\ LAT: 32.0798963\ /\ LONG: -103.6897411\ (\ TVD: 12255\ feet, MD: 19901\ feet\)$



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

State of New Mexico
Energy, Minerals & Natural Resources
Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

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

AMENDED REPORT

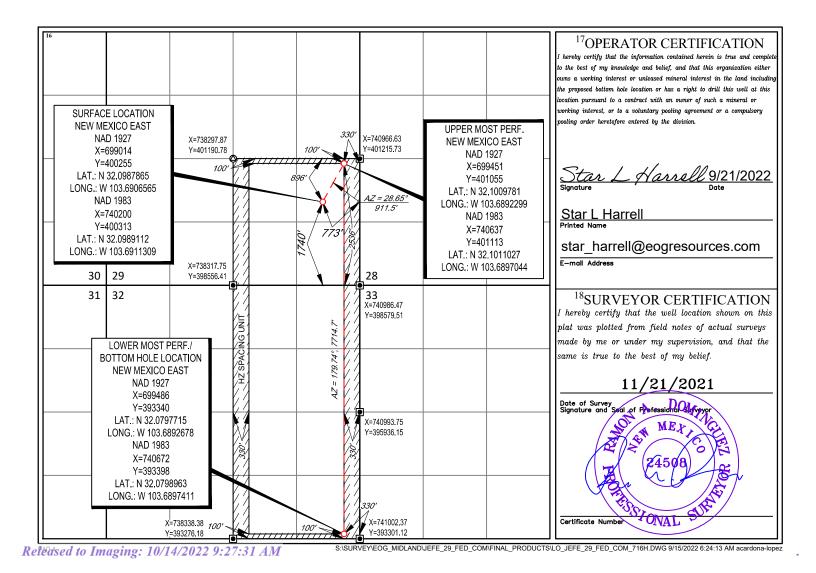
WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number		² Pool Code	Pool Name	
30-025-48858		98270	WC-025 G-08 S253216D; U _l	oper Wolfcamp
⁴ Property Code		⁵ Pr	operty Name	⁶ Well Number
330803		29 FED COM	716H	
⁷ OGRID N₀.		⁸ O _l	perator Name	⁹ Elevation
7377		EOG RES	SOURCES, INC.	3346'

¹⁰Surface Location

UL or lot no.	Section 29	Township 25-S	Range 32-E	Lot Idn —	Feet from the 1740'	North/South line SOUTH	Feet from the 773'	EAST	LEA
	¹¹ Bottom 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
P	32	25-S	32-E	_	100'	SOUTH	330'	EAST	LEA
12Dedicated Acres	¹³ Joint or 1	Infill 14Co	nsolidation Co	de ¹⁵ Ord	er No.			-	
480.00									

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.





Revised Permit Information 09/13/2022:

Well Name: Jefe 29 Fed Com 716H

Location: SHL: 1740' FSL & 773' FEL, Section 29, T-25-S, R-32-E, Lea Co., N.M. BHL: 100' FSL & 330' FEL, Section 32, T-25-S, R-32-E, Lea Co., N.M.

Casing Program:

Hole	Interval MD		Interval TVD		Csg			
Size	From (ft)	To (ft)	From (ft)	To (ft)	OD	Weight	Grade	Conn
12-1/4"	0	1,190	0	1,190	9-5/8"	36#	J-55	LTC
8-3/4"	0	10,982	0	10,900	7-5/8"	29.7#	HCP-110	FXL
6-3/4"	0	10,482	0	10,400	6"	24.5#	P110-EC	VAM Sprint-SF
6-3/4"	10,482	10,982	10,400	10,900	5-1/2"	20#	P110-EC	VAM Sprint SF
6-3/4"	10,982	19,616	10,900	11,970	5-1/2"	20#	P110-EC	DWC/C IS MS

Variance is requested to waive the centralizer requirements for the 7-5/8" casing in the 8-3/4" hole size. An expansion additive will be utilized, in the cement slurry, for the entire length of the 8-3/4 hole interval to maximize cement bond and zonal isolation.

Variance is also requested to waive any centralizer requirements for the 5-1/2" 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.

Variance is also requested to waive the annular clearance requirements for the 5-1/2" casing by 7-5/8" casing annulus to the proposed top of cement.

EOG requests permission to allow deviation from the 0.422" annulus clearance requirement from Onshore Order #2 under the following conditions:

- Annular clearance to meet or exceed 0.422" between intermediate casing ID and production casing coupling only on the first 500' overlap between both casing strings.
- Annular clearance less than 0.422" is acceptable for the production open hole section.

Cementing Program:

		Wt.	Yld	Slurry Description	
Depth	No. Sacks	ppg	Ft3/sk	out, Jessipaen	
1,190' 9-5/8''	330	13.5	1.73	Lead: Class C + 4.0% Bentonite Gel + 0.5% CaCl2 + 0.25 lb/sk Cello- Flake (TOC @ Surface)	
	80	14.8	1.34	Tail: Class C + 0.6% FL-62 + 0.25 lb/sk Cello-Flake + 0.2% Sodium Metasilicate (TOC @ 990')	
10,900' 7-5/8''	500	14.2	1.11	1st Stage (Tail): Class C + 0.6% Halad-9 + 0.45% HR-601 + 3% Microbond (TOC @ 6,680')	
	1140	14.8	1.5	2nd Stage (Bradenhead squeeze): Class C + 3% Salt + 1% PreMag-M + 6% Bentonite Gel (TOC @ surface)	
19,616' 5-1/2''	800	14.2	1.31	Lead: Class H + 0.4% Halad-344 + 0.35% HR-601 + 3% Microbond (TOC @ 10,400')	



Additive	Purpose	
Bentonite Gel	Lightweight/Lost circulation prevention	
Calcium Chloride	Accelerator	
Cello-flake	Lost circulation prevention	
Sodium Metasilicate	Accelerator	
MagOx	Expansive agent	
Pre-Mag-M	Expansive agent	
Sodium Chloride	Accelerator	
FL-62	Fluid loss control	
Halad-344	Fluid loss control	
Halad-9	Fluid loss control	
HR-601	Retarder	
Microbond	Expansive Agent	

EOG requests variance from minimum standards to pump a two stage cement job on the 7-5/8" intermediate casing string with the first stage being pumped conventionally with the calculated top of cement at the Brushy Canyon (6,875') and the second stage performed as a 1000 sack bradenhead squeeze with planned cement from the Brushy Canyon to surface. If necessary, a top out consisting of 140 sacks of Class C cement + 3% Salt + 1% PreMag-M + 6% Bentonite Gel (2.30 yld, 12.91 ppg) will be executed as a contingency. Top will be verified by Echo-meter.

EOG will include the Echo-meter verified fluid top and the volume of displacement fluid above the cement slurry in the annulus in all post-drill sundries on wells utilizing this cement program.

EOG will report to the BLM the volume of fluid (limited to 5 bbls) used to flush intermediate casing valves following backside cementing procedures.

Mud Program:

Measured Depth	Type	Weight (ppg)	Viscosity	Water Loss
0 – 1,190'	Fresh - Gel	8.6-8.8	28-34	N/c
1,190' – 10,900'	Brine	10.0-10.2	28-34	N/c
10,900' – 11,579'	Oil Base	8.7-9.4	58-68	N/c - 6
11,579' – 19,616' Lateral	Oil Base	10.0-14.0	58-68	4 - 6



Wellhead & Offline Cementing:

EOG Resources Inc. (EOG) respectfully requests a variance from the minimum standards for well control equipment testing of Onshore Order No. 2 (item III.A.2.a.i) to allow a testing schedule of the blow out preventer (BOP) and blow out prevention equipment (BOPE) along with Batch Drilling & Offline cement operations to include the following:

- Full BOPE test at first installation on the pad.
- Full BOPE test every 30 days per Onshore Order No. 2.
- Function test BOP elements per Onshore Order No. 2.
- Break testing BOP and BOPE coupled with batch drilling operations and option to
 offline cement and/or remediate (if needed) any surface or intermediate sections,
 according to attached offline cementing support documentation.
- After the well section is secured, the BOP will be disconnected from the wellhead and walked with the rig to another well on the pad.
- TA cap will also be installed per Wellhead vendor procedure and pressure inside
 the casing will be monitored via the valve on the TA cap as per standard batch
 drilling ops.
- See attached "EOG BLM Variance 3a -Offline Cement Intermediate Operational Procedure"



1740' FSL 773' FEL **Revised Wellbore**

KB: 3371' GL: 3346'

Section 29

T-25-S, R-32-E

API: 30-025-48858

Bit Size: 12-1/4" 9-5/8", 36#, J-55, LTC, @ 0' - 1,190'

Bit Size: 8-3/4"
7-5/8", 29.7#, HCP-110, FXL,
@ 0' - 10,982'

Bit Size: 6-3/4"

6", 24.5#, P110-EC, VAM Sprint-SF, @ 0' - 10,482'

5-1/2", 20#, P110-EC, VAM Sprint SF, @ 10,482' - 10,982'

5-1/2", 20#, P110-EC, DWC/C IS MS, @ 10,982' - 19,616'

> KOP: 11,579' MD, 11,492' TVD EOC: 12,329' MD, 11,970' TVD

TOC: 10,482' MD, 10,400' TVD

Lateral: 19,616' MD, 11,970' TVD Upper Most Perf: 2536' FSL & 330' FEL Sec. 29 Lower Most Perf: 100' FSL & 330' FEL Sec. 32 BH Location: 100' FSL & 330' FEL Sec. 32

T-25-S R-32-E



Design B

4. CASING PROGRAM

Hole	Interv	al MD	Interva	al TVD	Csg			
Size	From (ft)	To (ft)	From (ft)	To (ft)	OD	Weight	Grade	Conn
13"	0	1,190	0	1,190	10-3/4"	40.5#	J-55	STC
9-7/8"	0	10,982	0	10,900	8-3/4"	38.5#	P110-EC	Vam Sprint-SF
7-7/8"	0	11,579	0	11,492	6"	24.5#	P110-EC	DWC/C IS
7.875"	11,579	19,616	11,492	11,970	5-1/2"	20#	P110-EC	DWC/C IS MS

Variance is requested to waive the centralizer requirements for the 8-3/4" casing in the 9-7/8" hole size. An expansion additive will be utilized, in the cement slurry, for the entire length of the 9-7/8" hole interval to maximize cement bond and zonal isolation.

Variance is also requested to waive any centralizer requirements for the 6" casing in the 7-7/8" hole size. An expansion additive will be utilized, in the cement slurry, for the entire length of the 7-7/8" hole interval to maximize cement bond and zonal isolation.

Variance is also requested to waive the annular clearance requirements for the 6" casing by 8-3/4" casing annulus to the proposed top of cement.

EOG requests permission to allow deviation from the 0.422" annulus clearance requirement from Onshore Order #2 under the following conditions:

- Annular clearance to meet or exceed 0.422" between intermediate casing ID and production casing coupling only on the first 500' overlap between both casing strings.
- Annular clearance less than 0.422" is acceptable for the production open hole section.

Cementing Program:

		Wt.	Yld	Slurry Description
Depth	No. Sacks	ppg	Ft3/sk	J. III. P. I
1,190'	310	13.5	1.73	Lead: Class C + 4.0% Bentonite Gel + 0.5% CaCl2 + 0.25 lb/sk Cello-Flake (TOC @ Surface)
10-3/4"				,
	70	14.8	1.34	Tail: Class C + 0.6% FL-62 + 0.25 lb/sk Cello-Flake + 0.2% Sodium Metasilicate (TOC @ 990')
10,900' 8-3/4"	560	14.2	1.11	1st Stage (Tail): Class C + 0.6% Halad-9 + 0.45% HR-601 + 3% Microbond (TOC @ 6,680')
	1300	14.8	1.5	2nd Stage (Bradenhead squeeze): Class C + 3% Salt + 1% PreMag-M + 6% Bentonite Gel (TOC @ surface)
19,616' 6"	1300	14.2	1.31	Lead: Class H + 0.4% Halad-344 + 0.35% HR-601 + 3% Microbond (TOC @ 10,400')



EOG requests variance from minimum standards to pump a two stage cement job on the 8-3/4" intermediate casing string with the first stage being pumped conventionally with the calculated top of cement at the Brushy Canyon (6,875') and the second stage performed as a 1000 sack bradenhead squeeze with planned cement from the Brushy Canyon to surface. If necessary, a top out consisting of 297 sacks of Class C cement + 3% Salt + 1% PreMag-M + 6% Bentonite Gel (2.30 yld, 12.91 ppg) will be executed as a contingency. Top will be verified by Echo-meter.

EOG will include the Echo-meter verified fluid top and the volume of displacement fluid above the cement slurry in the annulus in all post-drill sundries on wells utilizing this cement program.

EOG will report to the BLM the volume of fluid (limited to 5 bbls) used to flush intermediate casing valves following backside cementing procedures.

Wellhead & Offline Cementing:

EOG Resources Inc. (EOG) respectfully requests a variance from the minimum standards for well control equipment testing of Onshore Order No. 2 (item III.A.2.a.i) to allow a testing schedule of the blow out preventer (BOP) and blow out prevention equipment (BOPE) along with Batch Drilling & Offline cement operations to include the following:

- Full BOPE test at first installation on the pad.
- Full BOPE test every 30 days per Onshore Order No. 2.
- Function test BOP elements per Onshore Order No. 2.
- Break testing BOP and BOPE coupled with batch drilling operations and option to offline cement and/or remediate (if needed) any surface or intermediate sections, according to attached offline cementing support documentation.
- After the well section is secured, the BOP will be disconnected from the wellhead and walked with the rig to another well on the pad.
- TA cap will also be installed per Wellhead vendor procedure and pressure inside the casing will be monitored via the valve on the TA cap as per standard batch drilling ops.
- See attached "EOG BLM Variance 3a -Offline Cement Intermediate Operational Procedure"



1740' FSL 773' FEL **Proposed Wellbore**

KB: 3371' GL: 3346'

Section 29

T-25-S, R-32-E

API: 30-025-48858

Bit Size: 13" 10-3/4", 40.5#, J-55, STC, @ 0' - 1,190' Bit Size: 9-7/8" 8-3/4" 38.5#, P110-EC, Vam Sprint-SF, @ 0' - 10,982' TOC: 10,482' MD, 10,400' TVD Lateral: 19,616' MD, 11,970' TVD Bit Size: 7-7/8" **Upper Most Perf:** 2536' FSL & 330' FEL Sec. 29 6", 24.5#, P110-EC, DWC/C IS, **Lower Most Perf:** @ 0' - 11,579' 100' FSL & 330' FEL Sec. 32 5-1/2", 20#, P110-EC, DWC/C IS MS, BH Location: 100' FSL & 330' FEL @ 11,579' - 19,616' Sec. 32 T-25-S R-32-E KOP: 11,579' MD, 11,492' TVD EOC: 12,329' MD, 11,970' TVD



2/24/2022

Cement Program

1. No changes to the cement program will take place for offline cementing.

Summarized Operational Procedure for Intermediate Casing

- 1. Run casing as per normal operations. While running casing, conduct negative pressure test and confirm integrity of the float equipment back pressure valves.
 - a. Float equipment is equipped with two back pressure valves rated to a minimum of 5,000 psi.
- 2. Land production casing on mandrel hanger through BOP.
 - a. If casing is unable to be landed with a mandrel hanger, then the casing will be cemented online.
- 3. Break circulation and confirm no restrictions.
 - a. Ensure no blockage of float equipment and appropriate annular returns.
 - b. Perform flow check to confirm well is static.
- 4. Set pack-off
 - a. If utilizing a fluted/ported mandrel hanger, ensure well is static on the annulus and inside the casing by filling the pipe with kill weight fluid, remove landing joint, and set annular packoff through BOP. Pressure test to 5,000 psi for 10 min.
 - b. If utilizing a solid mandrel hanger, ensure well is static on the annulus and inside the casing by filling the pipe with kill weight fluid. Pressure test seals to 5,000 psi for 10 min. Remove landing joint through BOP.
- 5. After confirmation of both annular barriers and the two casing barriers, install TA plug and pressure test to 5,000 psi for 10 min. Notify the BLM with intent to proceed with nipple down and offline cementing.
 - a. Minimum 4 hrs notice.
- 6. With the well secured and BLM notified, nipple down BOP and secure on hydraulic carrier or cradle.
 - a. Note, if any of the barriers fail to test, the BOP stack will not be nippled down until after the cement job has concluded and both lead and tail slurry have reached 500 psi.
- 7. Skid/Walk rig off current well.
- 8. Confirm well is static before removing TA Plug.
 - a. Cementing operations will not proceed until well is under control. (If well is not static, notify BLM and proceed to kill)
 - b. Casing outlet valves will provide access to both the casing ID and annulus. Rig or third party pump truck will kill well prior to cementing.
 - c. Well control plan can be seen in Section B, Well Control Procedures.
 - d. If need be, rig can be moved back over well and BOP nippled back up for any further remediation.



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- e. Diagram for rig positioning relative to offline cementing can be seen in Figure 4.
- 9. Rig up return lines to take returns from wellhead to pits and rig choke.
 - a. Test all connections and lines from wellhead to choke manifold to 5,000 psi high for 10 min.
 - If either test fails, perform corrections and retest before proceeding.
 - c. Return line schematics can be seen in Figure 3.
- 10. Remove TA Plug from the casing.
- 11. Install offline cement tool.
 - a. Current offline cement tool schematics can be seen in Figure 1 (Cameron) and Figure 2 (Cactus).
- 12. Rig up cement head and cementing lines.
 - a. Pressure test cement lines against cement head to 80% of casing burst for 10 min.
- 13. Break circulation on well to confirm no restrictions.
 - a. If gas is present on circulation, well will be shut in and returns rerouted through gas buster.
 - b. Max anticipated time before circulating with cement truck is 6 hrs.
- 14. Pump cement job as per plan.
 - a. At plug bump, test casing to 0.22 psi/ft or 1500 psi, whichever is greater.
 - b. If plug does not bump on calculated, shut down and wait 8 hrs or 500 psi compressive strength, whichever is greater before testing casing.
- 15. Confirm well is static and floats are holding after cement job.
 - a. With floats holding and backside static:
 - i. Remove cement head.
 - b. If floats are leaking:
 - i. Shut-in well and WOC (Wait on Cement) until tail slurry reaches 500 psi compressive strength and the casing is static prior to removing cement head.
 - c. If there is flow on the backside:
 - i. Shut in well and WOC until tail slurry reaches 500 psi compressive strength. Ensure that the casing is static prior to removing cement head.
- 16. Remove offline cement tool.
- 17. Install night cap with pressure gauge for monitoring.
- 18. Test night cap to 5,000 psi for 10 min.



2/24/2022

Example Well Control Plan Content

A. Well Control Component Table

The table below, which covers the cementing of the <u>5M MASP (Maximum Allowable Surface Pressure) portion of the well</u>, outlines the well control component rating in use. This table, combined with the mud program, documents that two barriers to flow can be maintained at all times, independent of the BOP nippled up to the wellhead.

Intermediate hole section, 5M requirement

Component	RWP
Pack-off	10M
Casing Wellhead Valves	10M
Annular Wellhead Valves	5M
TA Plug	10M
Float Valves	5M
2" 1502 Lo-Torque Valves	15M

B. Well Control Procedures

Well control procedures are specific to the rig equipment and the operation at the time the kick occurs. Below are the minimal high-level tasks prescribed to assure a proper shut-in while circulating and cementing through the Offline Cement Adapter.

General Procedure While Circulating

- 1. Sound alarm (alert crew).
- 2. Shut down pumps.
- 3. Shut-in Well (close valves to rig pits and open valve to rig choke line. Rig choke will already be in the closed position).
- 4. Confirm shut-in.
- 5. Notify tool pusher/company representative.

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- 6. Read and record the following:
 - a. SICP (Shut in Casing Pressure) and AP (Annular Pressure)
 - b. Pit gain
 - c. Time
 - d. Regroup and identify forward plan to continue circulating out kick via rig choke and mud/gas separator. Circulate and adjust mud density as needed to control well.

General Procedure While Cementing

- 1. Sound alarm (alert crew).
- 2. Shut down pumps.
- 3. Shut-in Well (close valves to rig pits and open valve to rig choke line. Rig choke will already be in the closed position).
- 4. Confirm shut-in.
- 5. Notify tool pusher/company representative.
- 6. Open rig choke and begin pumping again taking returns through choke manifold and mud/gas separator.
- 7. Continue to place cement until plug bumps.
- 8. At plug bump close rig choke and cement head.
- 9. Read and record the following
 - a. SICP and AP
 - b. Pit gain
 - c. Time
 - d. Shut-in annulus valves on wellhead

General Procedure After Cementing

- 1. Sound alarm (alert crew).
- 2. Shut-in Well (close valves to rig pits and open valve to rig choke line. Rig choke will already be in the closed position).
- 3. Confirm shut-in.
- 4. Notify tool pusher/company representative.
- 5. Read and record the following:
 - a. SICP and AP
 - b. Pit gain
 - c. Time
 - d. Shut-in annulus valves on wellhead

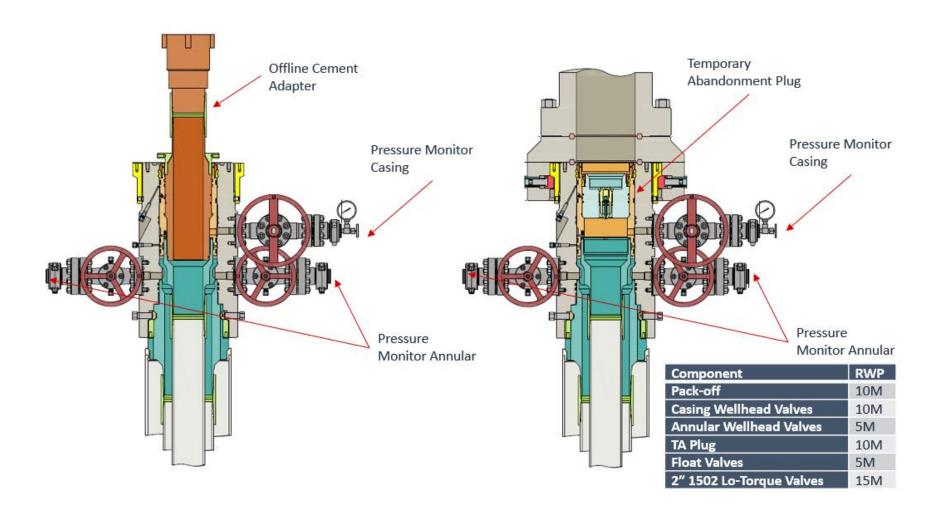
2/24/2022

Figure 1: Cameron TA Plug and Offline Adapter Schematic



2/24/2022

Figure 2: Cactus TA Plug and Offline Adapter Schematic

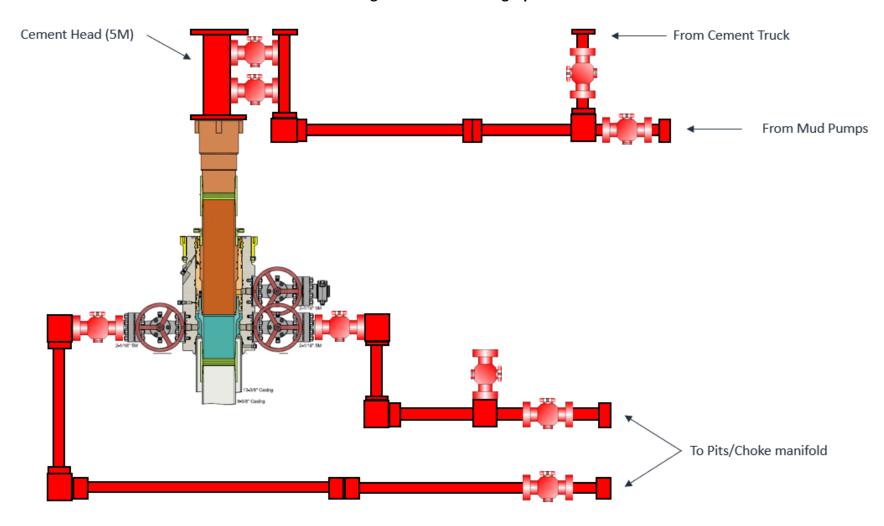


Page | 6



2/24/2022

Figure 3: Back Yard Rig Up



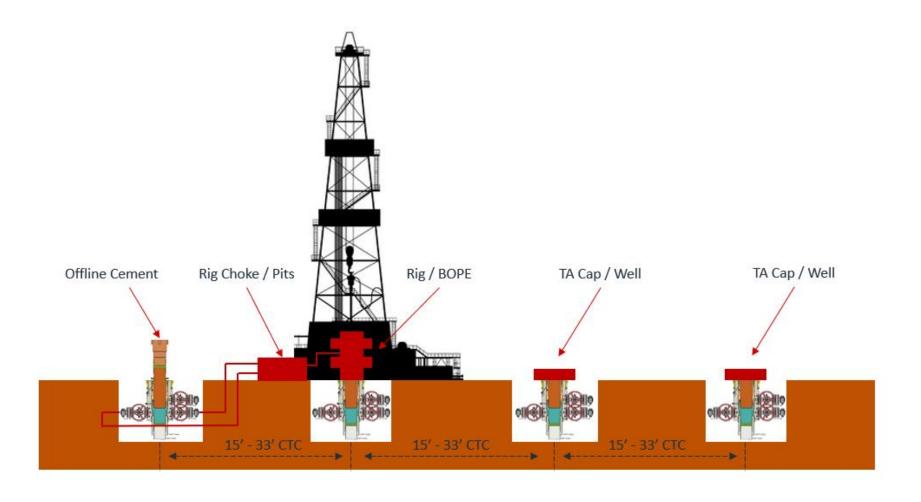
*** All Lines 10M rated working pressure

Page | 7



2/24/2022

Figure 4: Rig Placement Diagram



Page | 8



Midland

Lea County, NM (NAD 83 NME) Jefe 29 Fed Com #716H

OH

Plan: Plan #0.2

Standard Planning Report

20 September, 2022



Planning Report

Database: Company:

PEDM

Midland

Project: Lea County, NM (NAD 83 NME) Jefe 29 Fed Com Site:

Well: #716H Wellbore: OH Plan #0.2 Design:

Local Co-ordinate Reference:

TVD Reference: MD Reference: North Reference:

Survey Calculation Method:

Well #716H

kb = 25' @ 3373.0usft kb = 25' @ 3373.0usft

Grid

Minimum Curvature

Project

Lea County, NM (NAD 83 NME)

US State Plane 1983 Map System: North American Datum 1983 Geo Datum: New Mexico Eastern Zone Map Zone:

System Datum:

Mean Sea Level

Jefe 29 Fed Com Site

Northing: 400,660.00 usft Site Position: Latitude: 32° 5' 59.750 N From: Мар Easting: 736,197.00 usft Longitude: 103° 42' 14.588 W

Position Uncertainty: 0.0 usft Slot Radius: 13-3/16 "

Well #716H

Well Position +N/-S 0.0 usft Northing: 400,313.00 usft Latitude: 32° 5' 56.083 N +E/-W 0.0 usft Easting: 740,200.00 usft Longitude: 103° 41' 28.076 W **Position Uncertainty** 0.0 usft Wellhead Elevation: usft **Ground Level:** 3,348.0 usft

0.34° **Grid Convergence:**

ОН Wellbore

Declination Magnetics **Model Name** Sample Date Dip Angle Field Strength (°) (°) (nT) 47,503.44978252 IGRF2020 7/15/2020 6.70 59.80

Design Plan #0.2

Audit Notes:

Phase: PLAN Tie On Depth: 0.0 Version:

Vertical Section: Depth From (TVD) +N/-S +E/-W Direction (usft) (usft) (usft) (°) 176.10 0.0 0.0 0.0

Plan Survey Tool Program Date 9/20/2022

Depth From Depth To

(usft) (usft) Survey (Wellbore) **Tool Name** Remarks

19,616.4 EOG MWD+IFR1 0.0 Plan #0.2 (OH)

MWD + IFR1



Planning Report

Database: Company: PEDM

Midland Lea County, NM (NAD 83 NME)

Project: Lea County, NM (I Site: Jefe 29 Fed Com

 Well:
 #716H

 Wellbore:
 OH

 Design:
 Plan #0.2

Local Co-ordinate Reference:

TVD Reference: MD Reference: North Reference:

Survey Calculation Method:

Well #716H

kb = 25' @ 3373.0usft kb = 25' @ 3373.0usft

Grid

Plan Sections										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,400.0	0.00	0.00	1,400.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,934.4	10.69	27.21	1,931.3	44.2	22.7	2.00	2.00	0.00	27.21	
6,551.9	10.69	27.21	6,468.7	805.8	414.3	0.00	0.00	0.00	0.00	
7,086.3	0.00	0.00	7,000.0	850.0	437.0	2.00	-2.00	0.00	180.00	
11,578.8	0.00	0.00	11,492.5	850.0	437.0	0.00	0.00	0.00	0.00	KOP(Jefe 29 Fed Cor
11,799.2	26.46	180.00	11,705.2	800.0	437.0	12.00	12.00	81.65	180.00	FTP(Jefe 29 Fed Con
12,328.8	90.00	179.74	11,969.9	372.5	438.4	12.00	12.00	-0.05	-0.30	
19,616.4	90.00	179.74	11,970.0	-6,915.0	472.0	0.00	0.00	0.00	0.00	PBHL(Jefe 29 Fed Cc

beog resources

Planning Report

Database: PEDM Company: Midland

Project: Lea County, NM (NAD 83 NME)

Site: Jefe 29 Fed Com

 Well:
 #716H

 Wellbore:
 OH

 Design:
 Plan #0.2

Local Co-ordinate Reference:

TVD Reference:
MD Reference:
North Reference:

Survey Calculation Method:

Well #716H

kb = 25' @ 3373.0usft kb = 25' @ 3373.0usft

Grid

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
400.0									
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	2.00	27.21	1,500.0	1.6	8.0	-1.5	2.00	2.00	0.00
1,600.0	4.00	27.21	1,599.8	6.2	3.2	-6.0	2.00	2.00	0.00
1,700.0	6.00	27.21	1,699.5	14.0	7.2	-13.4	2.00	2.00	0.00
1,800.0	8.00	27.21	1,798.7	24.8	12.7	-23.9	2.00	2.00	0.00
1,900.0	10.00	27.21	1,897.5	38.7	19.9	-37.3	2.00	2.00	0.00
1,934.4	10.69	27.21	1,931.3	44.2	22.7	-42.5	2.00	2.00	0.00
2,000.0	10.69	27.21	1,995.8	55.0	28.3	-53.0	0.00	0.00	0.00
2,100.0	10.69	27.21	2,094.0	71.5	36.8	-68.8	0.00	0.00	0.00
2,200.0	10.69	27.21	2,192.3	88.0	45.2	-84.7	0.00	0.00	0.00
2,300.0	10.69	27.21	2,290.6	104.5	53.7	-100.6	0.00	0.00	0.00
	40.00		0.000.0	404.0	00.0	440.5	0.00	2.22	
2,400.0	10.69	27.21	2,388.8	121.0	62.2	-116.5	0.00	0.00	0.00
2,500.0	10.69	27.21	2,487.1	137.5	70.7	-132.4	0.00	0.00	0.00
2,600.0	10.69	27.21	2,585.4	154.0	79.2	-148.2	0.00	0.00	0.00
2,700.0	10.69	27.21	2,683.6	170.5	87.6	-164.1	0.00	0.00	0.00
2,800.0	10.69	27.21	2,781.9	187.0	96.1	-180.0	0.00	0.00	0.00
2,900.0	10.69	27.24	2,880.2	203.5	104.6	-195.9	0.00	0.00	0.00
		27.21							
3,000.0	10.69	27.21	2,978.4	220.0	113.1	-211.7	0.00	0.00	0.00
3,100.0	10.69	27.21	3,076.7	236.5	121.6	-227.6	0.00	0.00	0.00
3,200.0	10.69	27.21	3,175.0	252.9	130.0	-243.5	0.00	0.00	0.00
3,300.0	10.69	27.21	3,273.2	269.4	138.5	-259.4	0.00	0.00	0.00
3,400.0	10.69	27.21	3,371.5	285.9	147.0	-275.3	0.00	0.00	0.00
3,500.0	10.69	27.21			155.5	-275.3 -291.1	0.00	0.00	0.00
			3,469.7	302.4					
3,600.0	10.69	27.21	3,568.0	318.9	164.0	-307.0	0.00	0.00	0.00
3,700.0	10.69	27.21	3,666.3	335.4	172.4	-322.9	0.00	0.00	0.00
3,800.0	10.69	27.21	3,764.5	351.9	180.9	-338.8	0.00	0.00	0.00
3,900.0	10.69	27.21	3,862.8	368.4	189.4	-354.6	0.00	0.00	0.00
4,000.0	10.69	27.21	3,961.1	384.9	197.9	-370.5	0.00	0.00	0.00
4,100.0	10.69	27.21	4,059.3	401.4	206.4	-370.5	0.00	0.00	0.00
4,100.0									
	10.69	27.21	4,157.6	417.9	214.8	-402.3	0.00	0.00	0.00
4,300.0	10.69	27.21	4,255.9	434.4	223.3	-418.2	0.00	0.00	0.00
4,400.0	10.69	27.21	4,354.1	450.9	231.8	-434.0	0.00	0.00	0.00
4,500.0	10.69	27.21	4,452.4	467.4	240.3	-449.9	0.00	0.00	0.00
4,600.0	10.69	27.21	4,550.7	483.9	248.8	-465.8	0.00	0.00	0.00
4,700.0	10.69	27.21	4,648.9	500.4	257.2	-403.8 -481.7	0.00	0.00	0.00
4,800.0	10.69	27.21	4,747.2	516.8	265.7	-497.6	0.00	0.00	0.00
4,900.0	10.69	27.21	4,845.5	533.3	274.2	-513.4	0.00	0.00	0.00
5,000.0	10.69	27.21	4,943.7	549.8	282.7	-529.3	0.00	0.00	0.00
5,100.0	10.69	27.21	5,042.0	566.3	291.2	-545.2	0.00	0.00	0.00
								0.00	
5,200.0	10.69	27.21	5,140.3	582.8	299.6	-561.1	0.00	0.00	0.00

beog resources

Planning Report

Database: PEDM Company: Midland

Project: Lea County, NM (NAD 83 NME)

Site: Jefe 29 Fed Com

 Well:
 #716H

 Wellbore:
 OH

 Design:
 Plan #0.2

Local Co-ordinate Reference:

TVD Reference:
MD Reference:
North Reference:

Survey Calculation Method:

Well #716H

kb = 25' @ 3373.0usft kb = 25' @ 3373.0usft

Grid

sign:	FIAII #0.2								
anned 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	10.69	27.21	5,238.5	599.3	308.1	-576.9	0.00	0.00	0.00
5,400.0	10.69	27.21	5,336.8	615.8	316.6	-592.8	0.00	0.00	0.00
5,500.0	10.69	27.21	5,435.0	632.3	325.1	-608.7	0.00	0.00	0.00
5,600.0	10.69	27.21	5,533.3	648.8	333.6	-624.6	0.00	0.00	0.00
5,700.0	10.69	27.21	5,631.6	665.3	342.0	-640.5	0.00	0.00	0.00
5,800.0	10.69	27.21	5,729.8	681.8	350.5	-656.3	0.00	0.00	0.00
5,900.0	10.69	27.21	5,828.1	698.3	359.0	-672.2	0.00	0.00	0.00
6,000.0	10.69	27.21	5,926.4	714.8	367.5	-688.1	0.00	0.00	0.00
6,100.0	10.69	27.21	6,024.6	731.3	376.0	-704.0	0.00	0.00	0.00
6,200.0	10.69	27.21	6,122.9	747.8	384.4	-719.8	0.00	0.00	0.00
6,300.0	10.69	27.21	6,221.2	764.3	392.9	-735.7	0.00	0.00	0.00
6,400.0	10.69	27.21	6,319.4	780.7	401.4	-751.6	0.00	0.00	0.00
6,500.0	10.69	27.21	6,417.7	797.2	409.9	-767.5	0.00	0.00	0.00
6,551.9	10.69	27.21	6,468.7	805.8	414.3	-775.7	0.00	0.00	0.00
6,600.0	9.73	27.21	6,516.0	813.4	418.2	-783.0	2.00	-2.00	0.00
6,700.0	7.73	27.21	6,614.9	826.9	425.1	-796.0	2.00	-2.00	0.00
6,800.0	5.73	27.21	6,714.2	837.3	430.5	-806.0	2.00	-2.00	0.00
6,900.0	3.73	27.21	6,813.8	844.6	434.2	-813.1	2.00	-2.00	0.00
7,000.0	1.73	27.21	6,913.7	848.8	436.4	-817.2	2.00	-2.00	0.00
7,086.3	0.00	0.00	7,000.0	850.0	437.0	-818.3	2.00	-2.00	0.00
7,100.0	0.00	0.00	7,013.7	850.0	437.0	-818.3	0.00	0.00	0.00
7,200.0	0.00	0.00	7,113.7	850.0	437.0	-818.3	0.00	0.00	0.00
7,200.0	0.00	0.00	7,113.7	850.0	437.0	-818.3	0.00	0.00	0.00
7,400.0	0.00	0.00	7,313.7	850.0	437.0	-818.3	0.00	0.00	0.00
7,500.0	0.00	0.00	7,413.7	850.0	437.0	-818.3	0.00	0.00	0.00
7,600.0	0.00	0.00	7,513.7	850.0	437.0	-818.3	0.00	0.00	0.00
7,700.0	0.00	0.00	7,613.7	850.0	437.0	-818.3	0.00	0.00	0.00
7,800.0	0.00	0.00	7,713.7	850.0	437.0	-818.3	0.00	0.00	0.00
7,900.0	0.00	0.00	7,813.7	850.0	437.0	-818.3	0.00	0.00	0.00
8,000.0	0.00	0.00	7,913.7	850.0	437.0	-818.3	0.00	0.00	0.00
8,100.0	0.00	0.00	8,013.7	850.0	437.0	-818.3	0.00	0.00	0.00
8,200.0	0.00	0.00	8,113.7	850.0	437.0	-818.3	0.00	0.00	0.00
8,300.0	0.00	0.00	8,213.7	850.0	437.0	-818.3	0.00	0.00	0.00
8,400.0	0.00	0.00	8,313.7	850.0	437.0	-818.3	0.00	0.00	0.00
8,500.0	0.00	0.00	8,413.7	850.0	437.0	-818.3	0.00	0.00	0.00
8,600.0	0.00	0.00	8,513.7	850.0	437.0	-818.3	0.00	0.00	0.00
8,700.0	0.00	0.00	8,613.7	850.0	437.0	-818.3	0.00	0.00	0.00
8.800.0	0.00	0.00	8.713.7	850.0	437.0	-818.3	0.00	0.00	0.00
8,900.0	0.00	0.00	8,813.7	850.0	437.0	-818.3	0.00	0.00	0.00
9,000.0	0.00	0.00	8,913.7	850.0	437.0	-818.3	0.00	0.00	0.00
9,100.0	0.00	0.00	9,013.7	850.0	437.0	-818.3	0.00	0.00	0.00
9,200.0	0.00	0.00	9,113.7	850.0	437.0	-818.3	0.00	0.00	0.00
9,300.0	0.00	0.00	9,213.7	850.0	437.0	-818.3	0.00	0.00	0.00
9,400.0	0.00	0.00	9,313.7	850.0	437.0	-818.3	0.00	0.00	0.00
9,500.0	0.00	0.00	9,413.7	850.0	437.0	-818.3	0.00	0.00	0.00
9,600.0	0.00	0.00	9,513.7	850.0	437.0	-818.3	0.00	0.00	0.00
9,700.0	0.00	0.00	9,613.7	850.0	437.0	-818.3	0.00	0.00	0.00
9,800.0	0.00	0.00	9,713.7	850.0	437.0	-818.3	0.00	0.00	0.00
9,900.0	0.00	0.00	9,813.7	850.0	437.0	-818.3	0.00	0.00	0.00
10,000.0	0.00	0.00	9,913.7	850.0	437.0	-818.3	0.00	0.00	0.00
10,100.0	0.00	0.00	10,013.7	850.0	437.0	-818.3	0.00	0.00	0.00
10,200.0	0.00	0.00					0.00		0.00
10,200.0	0.00	0.00	10,113.7 10,213.7	850.0 850.0	437.0 437.0	-818.3 -818.3	0.00	0.00 0.00	0.00
10,400.0	0.00	0.00	10,313.7	850.0	437.0	-818.3	0.00	0.00	0.00

eog resources

Planning Report

Database: Company:

Project:

PEDM Midland

Lea County, NM (NAD 83 NME)

Site: Jefe 29 Fed Com

 Well:
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 Wellbore:
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Well #716H

kb = 25' @ 3373.0usft kb = 25' @ 3373.0usft

Grid

Parented Survey Parented S	Design:	Plan #0.2								
	Planned Survey									
10,500 0 0.00 0.00 10,413,7 850 0 437 0 4818.3 0.00 0.00 0.00 0.00 10,010,010,000 0.00 0.	Measured Depth			Depth			Section	Rate	Rate	Rate
10,000,0	10 500 0	0.00	0.00	10 /13 7	850.0	437 N	-818 3	0.00	0.00	0.00
10,700										
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11,775.0	11,725.0		180.00		827.8	437.0	-796.1	12.00		0.00
11,799.2 28.46 180.00 11,705.2 800.0 437.0 -768.4 12.00 12.00 0.00 11,825.0 29.55 179.97 11,727.9 787.9 437.0 -756.3 12.00 12.00 -0.13 11,850.0 32.55 179.94 11,749.4 775.0 437.0 -756.3 12.00 12.00 12.00 -0.13 11,850.0 35.55 179.92 11,770.1 761.0 437.0 -729.5 12.00 12.00 -0.09 11,900.0 38.55 179.90 11,790.0 746.0 437.1 -714.5 12.00 12.00 -0.08 11,925.0 41.55 179.88 11,809.2 729.9 437.1 -688.4 12.00 12.00 -0.06 11,925.0 44.55 179.87 11,827.4 712.8 437.1 -681.4 12.00 12.00 -0.06 12.00 -0.06 12.00 -0.06 12.00 44.55 179.87 11,827.4 712.8 437.1 -681.4 12.00 12.00 -0.06 12.00 -0.06 12.00 -0.05 12.000.0 50.55 179.84 11,861.2 675.9 437.2 -644.6 12.00 12.00 -0.05 12.005.0 56.55 179.83 11,876.5 656.2 437.3 -624.9 12.00 12.00 -0.04 12.075.0 56.55 179.81 11,904.1 614.5 437.4 -583.3 12.00 12.00 -0.04 12.075.0 59.55 179.81 11,904.1 614.5 437.4 -583.3 12.00 12.00 -0.04 12.105.0 65.55 179.80 11,927.1 570.2 437.6 -589.1 12.00 12.00 -0.04 12.175.0 65.55 179.80 11,927.1 570.2 437.6 -569.1 12.00 12.00 -0.03 12.175.0 65.55 179.80 11,927.1 570.2 437.6 -569.1 12.00 12.00 -0.03 12.175.0 68.55 179.79 11,936.9 547.2 437.6 -516.1 12.00 12.00 -0.03 12.175.0 71.55 179.78 11,936.9 547.2 437.6 -516.1 12.00 12.00 -0.03 12.175.0 71.55 179.78 11,952.7 499.8 437.8 -468.8 12.00 12.00 -0.03 12.275.0 85.5 179.76 11,952.7 499.8 437.8 -468.8 12.00 12.00 -0.03 12.250.0 85.5 179.76 11,963.7 499.8 437.8 -468.8 12.00 12.00 -0.03 12.250.0 85.5 179.76 11,963.7 499.8 437.8 -468.8 12.00 12.00 -0.03 12.250.0 80.55 179.76 11,963.7 499.8 437.8 -468.8 12.00 12.00 -0.03 12.250.0 80.55 179.76 11,963.7 499.8 437.8 -468.8 12.00 12.00 -0.03 12.250.0 80.55 179.76 11,963.7 499.8 437.8 -468.8 12.00 12.00 -0.03 12.250.0 80.55 179.76 11,963.7 499.8 437.8 -468.8 12.00 12.00 -0.03 12.250.0 80.55 179.76 11,969.9 376.3 438.3 -345.6 12.00 12.00 -0.03 12.250.0 80.55 179.76 11,969.9 376.3 438.4 -341.8 12.00 12.00 -0.03 12.350.0 80.55 179.74 11,969.9 376.3 438.4 -341.8 12.00 12.00 -0.03 12.300.0 80.55 179.74 11,969.9 -98.7 440.5 128.5 0.00 0.00 0.00 0.00 12.500.0 90.00 179.74 11,9		20.55	180.00	11,660.1			-788.0	12.00		0.00
11,825.0 29.55 179.94 11,727.9 787.9 437.0 -756.3 12.00 12.00 -0.13 11,850.0 32.55 179.94 11,790.4 775.0 437.0 -729.5 12.00 12.00 -0.09 11,875.0 35.55 179.90 11,790.0 746.0 437.1 -714.5 12.00 12.00 -0.08 11,925.0 41.55 179.88 11,809.2 729.9 437.1 -698.4 12.00 12.00 -0.06 11,975.0 44.55 179.86 11,827.4 712.8 437.1 -681.4 12.00 12.00 -0.06 11,975.0 47.55 179.86 11,844.8 694.8 437.2 -663.4 12.00 12.00 -0.05 12,005.0 50.55 179.86 11,844.8 694.8 437.2 -663.4 12.00 12.00 -0.05 12,005.0 50.55 179.86 11,844.8 694.8 437.2 -644.6 12.00 12.00 -0.05 12,050.0 50.55 179.81 11,960.8 635.7 437.3 </td <th>11,775.0</th> <td>23.55</td> <td>180.00</td> <td>11,683.2</td> <td>810.2</td> <td>437.0</td> <td>-778.6</td> <td>12.00</td> <td>12.00</td> <td>0.00</td>	11,775.0	23.55	180.00	11,683.2	810.2	437.0	-778.6	12.00	12.00	0.00
11,850.0 32.55 179.94 11,749.4 775.0 437.0 -743.5 12.00 12.00 -0.10 11,875.0 35.55 179.92 11,770.1 761.0 437.0 -729.5 12.00 12.00 -0.09 11,900.0 38.55 179.92 11,770.1 761.0 437.0 -729.5 12.00 12.00 -0.09 11,900.0 38.55 179.92 11,770.1 761.0 437.1 -714.5 12.00 12.00 -0.08 11,925.0 41.55 179.88 11,809.2 729.9 437.1 -688.4 12.00 12.00 -0.07 11,950.0 44.55 179.86 11,844.8 694.8 437.2 -683.4 12.00 12.00 -0.06 11,975.0 47.55 179.86 11,844.8 694.8 437.2 -683.4 12.00 12.00 -0.05 12.000.0 50.55 179.84 11,861.2 675.9 437.2 -644.6 12.00 12.00 -0.05 12.005.0 53.55 179.83 11,876.5 656.2 437.3 -624.9 12.00 12.00 -0.04 12.05.0 56.55 179.82 11,890.8 635.7 437.3 -604.5 12.00 12.00 -0.04 12.075.0 59.55 179.81 11,904.1 614.5 437.4 -583.3 12.00 12.00 -0.04 12.100.0 62.55 179.80 11,927.1 570.2 437.5 -561.5 12.00 12.00 -0.04 12.125.0 65.55 179.80 11,927.1 570.2 437.6 -561.5 12.00 12.00 -0.03 12.175.0 68.55 179.79 11,936.9 547.2 437.6 -516.1 12.00 12.00 -0.03 12.175.0 74.55 179.77 11,952.7 499.8 437.8 -488.8 12.00 12.00 -0.03 12.250.0 74.55 179.76 11,958.7 475.5 437.9 -444.6 12.00 12.00 -0.03 12.250.0 74.55 179.76 11,963.9 475.2 437.6 -516.1 12.00 12.00 -0.03 12.250.0 74.55 179.76 11,963.9 475.2 437.6 -516.1 12.00 12.00 -0.03 12.250.0 74.55 179.77 11,952.7 499.8 437.8 -488.8 12.00 12.00 -0.03 12.250.0 80.55 179.76 11,963.9 426.2 438.1 -395.4 12.00 12.00 -0.03 12.250.0 80.55 179.76 11,963.9 426.2 438.1 -395.4 12.00 12.00 -0.03 12.250.0 80.55 179.76 11,963.9 426.2 438.1 -395.4 12.00 12.00 -0.03 12.250.0 80.55 179.77 11,969.9 376.3 438.3 -345.6 12.00 12.00 -0.03 12.250.0 80.55 179.74 11,969.9 376.3 438.3 -345.6 12.00 12.00 -0.03 12.250.0 80.55 179.74 11,969.9 376.3 438.3 -345.6 12.00 12.00 -0.00 0.00 12.250.0 90.00 179.74 11,969.9 376.3 438.3 -345.6 12.00 12.00 -0.00 0.00 12.250.0 90.00 179.74 11,969.9 -98.7 440.5 12.85 0.00 0.00 0.00 0.00 12.250.0 90.00 179.74 11,969.9 -98.7 440.5 12.85 0.00 0.00 0.00 0.00 12.250.0 90.00 179.74 11,969.9 -98.7 440.5 12.85 0.00 0.00 0.00 0.00 13.300.0 90.00 179.74 11,969.9 -98.7 440.5 12.85 0.00 0.00 0.0										0.00
11,875.0 35.55 179.92 11,770.1 761.0 437.0 -729.5 12.00 12.00 -0.08 11,900.0 38.55 179.90 11,790.0 746.0 437.1 -714.5 12.00 12.00 -0.08 11,950.0 41.55 179.86 11,827.4 712.8 437.1 -688.4 12.00 12.00 -0.06 11,975.0 47.55 179.86 11,844.8 694.8 437.2 -663.4 12.00 12.00 -0.05 12,000.0 50.55 179.84 11,861.2 675.9 437.2 -663.4 12.00 12.00 -0.05 12,005.0 56.55 179.83 11,876.5 656.2 437.3 -624.9 12.00 12.00 -0.04 12,075.0 56.55 179.81 11,904.1 614.5 437.4 -583.3 12.00 12.00 -0.04 12,100.0 62.55 179.80 11,927.1 570.2 437.6 -539.1 12.00 12.00 -0.04 12,150.0 68.55 179.80 11,927.1 570.2 437.6 </td <th>11,825.0</th> <td>29.55</td> <td>179.97</td> <td>11,727.9</td> <td>787.9</td> <td>437.0</td> <td>-756.3</td> <td>12.00</td> <td>12.00</td> <td>-0.13</td>	11,825.0	29.55	179.97	11,727.9	787.9	437.0	-756.3	12.00	12.00	-0.13
11,900.0 38.55 179.90 11,790.0 746.0 437.1 -714.5 12.00 12.00 -0.08 11,950.0 41.55 179.88 11,809.2 729.9 437.1 -698.4 12.00 12.00 -0.06 11,975.0 47.55 179.86 11,844.8 694.8 437.2 -663.4 12.00 12.00 -0.05 12,000.0 50.55 179.84 11,861.2 675.9 437.2 -644.6 12.00 12.00 -0.04 12,025.0 53.55 179.81 11,861.2 675.9 437.2 -644.6 12.00 12.00 -0.04 12,025.0 56.55 179.82 11,890.8 635.7 437.3 -604.5 12.00 12.00 -0.04 12,075.0 59.55 179.81 11,904.1 614.5 437.4 -583.3 12.00 12.00 -0.04 12,107.0 62.55 179.80 11,916.2 592.7 437.5 -561.5 12.00 12.00 -0.04 12,125.0 65.55 179.80 11,962.7 570.2 437.6 </th <th>11,850.0</th> <th>32.55</th> <th>179.94</th> <th>11,749.4</th> <th>775.0</th> <th>437.0</th> <th>-743.5</th> <th>12.00</th> <th>12.00</th> <th>-0.10</th>	11,850.0	32.55	179.94	11,749.4	775.0	437.0	-743.5	12.00	12.00	-0.10
11,925.0 41,55 179,88 11,809.2 729.9 437.1 -698.4 12.00 12.00 -0.07 11,975.0 44,55 179,87 11,827.4 712.8 437.1 -681.4 12.00 12.00 -0.06 11,975.0 47,55 179,88 11,841.8 694.8 437.2 -663.4 12.00 12.00 -0.05 12,005.0 50.55 179.83 11,876.5 656.2 437.3 -624.9 12.00 12.00 -0.04 12,005.0 56.55 179.81 11,904.1 614.5 437.4 -583.3 12.00 12.00 -0.04 12,075.0 59.55 179.81 11,904.1 614.5 437.4 -583.3 12.00 12.00 -0.04 12,100.0 62.55 179.80 11,971.1 570.2 437.6 -561.5 12.00 12.00 -0.04 12,150.0 68.55 179.79 11,936.9 547.2 437.6 -516.1 12.00 12.00 -0.03 12,250.0 71.55 179.76 11,958.7 475.5 437.9 </th <th>11,875.0</th> <th>35.55</th> <th>179.92</th> <th>11,770.1</th> <th>761.0</th> <th>437.0</th> <th>-729.5</th> <th>12.00</th> <th>12.00</th> <th>-0.09</th>	11,875.0	35.55	179.92	11,770.1	761.0	437.0	-729.5	12.00	12.00	-0.09
11,950.0 44.55 179.87 11,827.4 712.8 437.1 -681.4 12.00 12.00 -0.06 11,975.0 47.55 179.86 11,844.8 694.8 437.2 -684.4 12.00 12.00 -0.05 12,000.0 50.55 179.84 11,861.2 675.9 437.2 -644.6 12.00 12.00 -0.05 12,025.0 53.55 179.81 11,890.8 635.7 437.3 -624.9 12.00 12.00 -0.04 12,050.0 56.55 179.82 11,890.8 635.7 437.3 -604.5 12.00 12.00 -0.04 12,075.0 59.55 179.80 11,916.2 592.7 437.5 -561.5 12.00 12.00 -0.04 12,100.0 62.55 179.80 11,936.9 59.7 437.6 -533.1 12.00 12.00 -0.04 12,125.0 65.55 179.80 11,936.9 547.2 437.6 -516.1 12.00 12.00 -0.03 12,150.0 71.55 179.75 11,962.7 499.8 437.8 <th>11,900.0</th> <th>38.55</th> <th>179.90</th> <th>11,790.0</th> <th>746.0</th> <th>437.1</th> <th>-714.5</th> <th>12.00</th> <th>12.00</th> <th>-0.08</th>	11,900.0	38.55	179.90	11,790.0	746.0	437.1	-714.5	12.00	12.00	-0.08
11,975.0	11,925.0	41.55	179.88	11,809.2	729.9	437.1	-698.4	12.00	12.00	-0.07
12,000.0 50.55 179.84 11,861.2 675.9 437.2 -644.6 12.00 12.00 -0.05 12,025.0 53.55 179.82 11,890.8 635.7 437.3 -604.5 12.00 12.00 -0.04 12,075.0 59.55 179.81 11,904.1 614.5 437.4 -583.3 12.00 12.00 -0.04 12,100.0 62.55 179.80 11,916.2 592.7 437.5 -561.5 12.00 12.00 -0.04 12,150.0 65.55 179.80 11,927.1 570.2 437.6 -539.1 12.00 12.00 -0.03 12,155.0 65.55 179.78 11,936.9 547.2 437.6 -516.1 12.00 12.00 -0.03 12,175.0 71.55 179.78 11,952.7 499.8 437.8 -468.8 12.00 12.00 -0.03 12,225.0 77.55 179.76 11,952.7 499.8 437.8 -468.8 12.00 12.00 -0.03 12,275.0 83.55 179.76 11,963.5 451.0 438.0 </td <th>11,950.0</th> <td>44.55</td> <td>179.87</td> <td>11,827.4</td> <td>712.8</td> <td>437.1</td> <td>-681.4</td> <td>12.00</td> <td>12.00</td> <td>-0.06</td>	11,950.0	44.55	179.87	11,827.4	712.8	437.1	-681.4	12.00	12.00	-0.06
12,000.0 50.55 179.84 11,861.2 675.9 437.2 -644.6 12.00 12.00 -0.05 12,025.0 53.55 179.82 11,890.8 635.7 437.3 -604.5 12.00 12.00 -0.04 12,075.0 59.55 179.81 11,904.1 614.5 437.4 -583.3 12.00 12.00 -0.04 12,100.0 62.55 179.80 11,916.2 592.7 437.5 -561.5 12.00 12.00 -0.04 12,150.0 65.55 179.80 11,927.1 570.2 437.6 -539.1 12.00 12.00 -0.03 12,155.0 65.55 179.78 11,936.9 547.2 437.6 -516.1 12.00 12.00 -0.03 12,175.0 71.55 179.78 11,952.7 499.8 437.8 -468.8 12.00 12.00 -0.03 12,225.0 77.55 179.76 11,952.7 499.8 437.8 -468.8 12.00 12.00 -0.03 12,275.0 83.55 179.76 11,963.5 451.0 438.0 </th <th>11,975.0</th> <th>47.55</th> <th>179.86</th> <th>11,844.8</th> <th>694.8</th> <th>437.2</th> <th>-663.4</th> <th>12.00</th> <th>12.00</th> <th>-0.05</th>	11,975.0	47.55	179.86	11,844.8	694.8	437.2	-663.4	12.00	12.00	-0.05
12,050.0 56.55 179.82 11,890.8 635.7 437.3 -604.5 12.00 12.00 -0.04 12,075.0 59.55 179.81 11,904.1 614.5 437.4 -583.3 12.00 12.00 -0.04 12,100.0 62.55 179.80 11,927.1 570.2 437.6 -539.1 12.00 12.00 -0.03 12,150.0 68.55 179.79 11,936.9 547.2 437.6 -516.1 12.00 12.00 -0.03 12,150.0 71.55 179.78 11,945.4 523.7 437.7 -492.6 12.00 12.00 -0.03 12,250.0 74.55 179.77 11,952.7 499.8 437.8 -468.8 12.00 12.00 -0.03 12,250.0 77.55 179.76 11,958.7 475.5 437.9 -444.6 12.00 12.00 -0.03 12,250.0 80.55 179.76 11,968.9 461.0 438.0 +20.1 12.00 12.00 -0.03	12,000.0	50.55	179.84	11,861.2	675.9	437.2	-644.6	12.00	12.00	-0.05
12,075.0 59.55 179.81 11,904.1 614.5 437.4 -583.3 12.00 12.00 -0.04 12,100.0 62.55 179.80 11,916.2 592.7 437.5 -561.5 12.00 12.00 -0.04 12,125.0 65.55 179.79 11,936.9 547.2 437.6 -539.1 12.00 12.00 -0.03 12,175.0 71.55 179.78 11,945.4 523.7 437.7 -492.6 12.00 12.00 -0.03 12,200.0 74.55 179.76 11,958.7 475.5 437.8 -468.8 12.00 12.00 -0.03 12,225.0 77.55 179.76 11,968.7 475.5 437.9 -444.6 12.00 12.00 -0.03 12,225.0 80.55 179.76 11,968.7 475.5 437.9 -444.6 12.00 12.00 -0.03 12,250.0 80.55 179.76 11,968.7 475.5 437.9 -444.6 12.00 12.00 -0.03 <th>12,025.0</th> <td>53.55</td> <td>179.83</td> <td>11,876.5</td> <td>656.2</td> <td>437.3</td> <td>-624.9</td> <td>12.00</td> <td>12.00</td> <td>-0.04</td>	12,025.0	53.55	179.83	11,876.5	656.2	437.3	-624.9	12.00	12.00	-0.04
12,100.0 62.55 179.80 11,916.2 592.7 437.5 -561.5 12.00 12.00 -0.04 12,125.0 65.55 179.80 11,927.1 570.2 437.6 -539.1 12.00 12.00 -0.03 12,150.0 68.55 179.79 11,936.9 547.2 437.6 -516.1 12.00 12.00 -0.03 12,175.0 71.55 179.78 11,945.4 523.7 437.7 -492.6 12.00 12.00 -0.03 12,200.0 74.55 179.77 11,952.7 499.8 437.8 -468.8 12.00 12.00 -0.03 12,225.0 77.55 179.76 11,958.7 475.5 437.9 -444.6 12.00 12.00 -0.03 12,250.0 80.55 179.76 11,968.5 451.0 438.0 -420.1 12.00 12.00 -0.03 12,275.0 83.55 179.75 11,966.9 426.2 438.1 -395.4 12.00 12.00 -0.03 12,325.0 88.55 179.74 11,969.9 401.3 438.2 -370.5 12.00 12.00 -0.03 12,328.8 90.00 179.74 11,969.9 376.3 438.3 -345.6 12.00 12.00 -0.03 12,400.0 90.00 179.74 11,969.9 372.5 438.4 -341.8 12.00 12.00 -0.03 12,600.0 90.00 179.74 11,969.9 101.3 438.2 -170.9 0.00 0.00 0.00 12,500.0 90.00 179.74 11,969.9 101.3 439.2 -170.9 0.00 0.00 0.00 12,500.0 90.00 179.74 11,969.9 101.3 439.6 -71.1 0.00 0.00 0.00 12,700.0 90.00 179.74 11,969.9 101.3 439.6 -71.1 0.00 0.00 0.00 0.00 12,200.0 90.00 179.74 11,969.9 101.3 439.6 -71.1 0.00 0.00 0.00 0.00 12,500.0 90.00 179.74 11,969.9 101.3 439.6 -71.1 0.00 0.00 0.00 0.00 12,500.0 90.00 179.74 11,969.9 101.3 439.6 -71.1 0.00 0.00 0.00 0.00 12,500.0 90.00 179.74 11,969.9 -98.7 440.5 128.5 0.00 0.00 0.00 0.00 12,200.0 90.00 179.74 11,969.9 -98.7 440.5 128.5 0.00 0.00 0.00 0.00 12,200.0 90.00 179.74 11,969.9 -98.7 440.5 128.5 0.00 0.00 0.00 0.00 12,200.0 90.00 179.74 11,969.9 -98.7 440.5 128.5 0.00 0.00 0.00 0.00 13,200.0 90.00 179.74 11,969.9 -98.7 441.5 328.1 0.00 0.00 0.00 0.00 13,200.0 90.00 179.74 11,969.9 -398.7 441.5 328.1 0.00 0.00 0.00 0.00 13,200.0 90.00 179.74 11,969.9 -398.7 441.5 328.1 0.00 0.00 0.00 0.00 13,200.0 90.00 179.74 11,969.9 -398.7 441.5 328.1 0.00 0.00 0.00 0.00 13,200.0 90.00 179.74 11,969.9 -398.7 441.5 328.1 0.00 0.00 0.00 0.00 13,200.0 90.00 179.74 11,969.9 -398.7 441.9 427.8 0.00 0.00 0.00 0.00 13,200.0 90.00 179.74 11,969.9 -398.7 441.9 427.8 0.00 0.00 0.00 0.00 13,200.0 90.00 179.74 11,969.9 -398.7 442.4 527.6 0.00 0.00 0.0	12,050.0	56.55	179.82	11,890.8	635.7	437.3	-604.5	12.00	12.00	-0.04
12,125.0 65.55 179.80 11,927.1 570.2 437.6 -539.1 12.00 12.00 -0.03 12,150.0 68.55 179.79 11,936.9 547.2 437.6 -516.1 12.00 12.00 -0.03 12,175.0 71.55 179.78 11,945.4 523.7 437.7 -492.6 12.00 12.00 -0.03 12,200.0 74.55 179.77 11,952.7 499.8 437.8 -468.8 12.00 12.00 -0.03 12,225.0 77.55 179.76 11,958.7 475.5 437.9 -444.6 12.00 12.00 -0.03 12,255.0 80.55 179.76 11,963.5 451.0 438.0 -420.1 12.00 12.00 -0.03 12,275.0 83.55 179.74 11,969.9 426.2 438.1 -395.4 12.00 12.00 -0.03 12,300.0 86.55 179.74 11,969.9 376.3 438.3 -345.6 12.00 12.00 -0.03 12,328.8 90.00 179.74 11,969.9 372.5 438.4 </td <th>12,075.0</th> <td>59.55</td> <td>179.81</td> <td>11,904.1</td> <td>614.5</td> <td>437.4</td> <td>-583.3</td> <td>12.00</td> <td>12.00</td> <td>-0.04</td>	12,075.0	59.55	179.81	11,904.1	614.5	437.4	-583.3	12.00	12.00	-0.04
12,125.0 65.55 179.80 11,927.1 570.2 437.6 -539.1 12.00 12.00 -0.03 12,150.0 68.55 179.79 11,936.9 547.2 437.6 -516.1 12.00 12.00 -0.03 12,175.0 71.55 179.78 11,945.4 523.7 437.7 -492.6 12.00 12.00 -0.03 12,200.0 74.55 179.77 11,952.7 499.8 437.8 -468.8 12.00 12.00 -0.03 12,225.0 77.55 179.76 11,958.7 475.5 437.9 -444.6 12.00 12.00 -0.03 12,255.0 80.55 179.76 11,963.5 451.0 438.0 -420.1 12.00 12.00 -0.03 12,275.0 83.55 179.74 11,969.9 426.2 438.1 -395.4 12.00 12.00 -0.03 12,300.0 86.55 179.74 11,969.9 376.3 438.3 -345.6 12.00 12.00 -0.03 12,328.8 90.00 179.74 11,969.9 372.5 438.4 </td <th>12,100.0</th> <td>62.55</td> <td>179.80</td> <td>11,916.2</td> <td>592.7</td> <td>437.5</td> <td>-561.5</td> <td>12.00</td> <td>12.00</td> <td>-0.04</td>	12,100.0	62.55	179.80	11,916.2	592.7	437.5	-561.5	12.00	12.00	-0.04
12,175.0 71.55 179.78 11,945.4 523.7 437.7 -492.6 12.00 12.00 -0.03 12,200.0 74.55 179.77 11,952.7 499.8 437.8 -468.8 12.00 12.00 -0.03 12,225.0 77.55 179.76 11,968.5 451.0 438.0 -420.1 12.00 12.00 -0.03 12,275.0 83.55 179.76 11,966.9 426.2 438.1 -395.4 12.00 12.00 -0.03 12,300.0 86.55 179.74 11,969.1 401.3 438.2 -370.5 12.00 12.00 -0.03 12,325.0 89.55 179.74 11,969.9 376.3 438.3 -345.6 12.00 12.00 -0.03 12,328.8 90.00 179.74 11,969.9 372.5 438.4 -341.8 12.00 12.00 -0.03 12,500.0 90.00 179.74 11,969.9 301.3 438.7 -270.7 0.00 0.00 0.00 12,600.0 90.00 179.74 11,969.9 101.3 439.2			179.80	11,927.1			-539.1	12.00		-0.03
12,200.0 74.55 179.77 11,952.7 499.8 437.8 -468.8 12.00 12.00 -0.03 12,225.0 77.55 179.76 11,958.7 475.5 437.9 -444.6 12.00 12.00 -0.03 12,250.0 80.55 179.76 11,963.5 451.0 438.0 -420.1 12.00 12.00 -0.03 12,275.0 83.55 179.75 11,966.9 426.2 438.1 -395.4 12.00 12.00 -0.03 12,300.0 86.55 179.74 11,969.9 376.3 438.2 -370.5 12.00 12.00 -0.03 12,328.8 90.00 179.74 11,969.9 376.3 438.4 -341.8 12.00 12.00 -0.03 12,400.0 90.00 179.74 11,969.9 301.3 438.7 -270.7 0.00 0.00 0.00 12,500.0 90.00 179.74 11,969.9 201.3 439.2 -170.9 0.00 0.00 0.00 12,600.0 90.00 179.74 11,969.9 10.13 439.2	12,150.0	68.55	179.79	11,936.9	547.2	437.6	-516.1	12.00	12.00	-0.03
12,225.0 77.55 179.76 11,958.7 475.5 437.9 -444.6 12.00 12.00 -0.03 12,250.0 80.55 179.76 11,963.5 451.0 438.0 -420.1 12.00 12.00 -0.03 12,275.0 83.55 179.75 11,966.9 426.2 438.1 -395.4 12.00 12.00 -0.03 12,300.0 86.55 179.74 11,969.1 401.3 438.2 -370.5 12.00 12.00 -0.03 12,325.0 89.55 179.74 11,969.9 376.3 438.3 -345.6 12.00 12.00 -0.03 12,328.8 90.00 179.74 11,969.9 372.5 438.4 -341.8 12.00 12.00 -0.03 12,400.0 90.00 179.74 11,969.9 301.3 438.7 -270.7 0.00 0.00 0.00 0.00 12,500.0 90.00 179.74 11,969.9 101.3 439.6 -71.1 0.00 0.00 0.00 12,700.0 90.00 179.74 11,969.9 101.3 439.6 -71.1 0.00 0.00 0.00 12,700.0 90.00 179.74 11,969.9 101.3 439.6 -71.1 0.00 0.00 0.00 12,800.0 90.00 179.74 11,969.9 10.3 440.1 28.7 0.00 0.00 0.00 12,800.0 90.00 179.74 11,969.9 -98.7 440.5 128.5 0.00 0.00 0.00 0.00 12,900.0 90.00 179.74 11,969.9 -98.7 440.5 128.5 0.00 0.00 0.00 0.00 13,000.0 90.00 179.74 11,969.9 -98.7 440.5 128.5 0.00 0.00 0.00 0.00 13,000.0 90.00 179.74 11,969.9 -98.7 441.5 328.1 0.00 0.00 0.00 13,000.0 90.00 179.74 11,969.9 -398.7 441.5 328.1 0.00 0.00 0.00 0.00 13,000.0 90.00 179.74 11,969.9 -398.7 441.5 328.1 0.00 0.00 0.00 0.00 13,000.0 90.00 179.74 11,969.9 -398.7 441.5 328.1 0.00 0.00 0.00 0.00 13,000.0 90.00 179.74 11,969.9 -398.7 441.5 328.1 0.00 0.00 0.00 0.00 13,000.0 90.00 179.74 11,969.9 -398.7 441.5 328.1 0.00 0.00 0.00 0.00 13,000.0 90.00 179.74 11,969.9 -398.7 441.5 328.1 0.00 0.00 0.00 0.00 13,000.0 90.00 179.74 11,969.9 -398.7 441.5 328.1 0.00 0.00 0.00 0.00 13,000.0 90.00 179.74 11,969.9 -398.7 441.5 328.1 0.00 0.00 0.00 0.00 13,000.0 90.00 179.74 11,969.9 -398.7 441.5 328.1 0.00 0.00 0.00 0.00 13,000.0 90.00 179.74 11,969.9 -398.7 441.9 427.8 0.00 0.00 0.00 0.00 13,000.0 90.00 179.74 11,969.9 -398.7 441.9 427.8 0.00 0.00 0.00 0.00 13,000.0 90.00 179.74 11,969.9 -398.7 441.9 427.8 0.00 0.00 0.00 0.00 13,000.0 90.00 179.74 11,969.9 -398.7 441.9 427.8 0.00 0.00 0.00 0.00 0.00 0.00 13,000.0 90.00 179.74 11,969.9 -398.7 442.8 627.4 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0	12,175.0	71.55	179.78	11,945.4	523.7	437.7	-492.6	12.00	12.00	-0.03
12,250.0 80.55 179.76 11,963.5 451.0 438.0 -420.1 12.00 12.00 -0.03 12,275.0 83.55 179.75 11,966.9 426.2 438.1 -395.4 12.00 12.00 -0.03 12,300.0 86.55 179.74 11,969.9 376.3 438.2 -370.5 12.00 12.00 -0.03 12,325.0 89.55 179.74 11,969.9 376.3 438.3 -345.6 12.00 12.00 -0.03 12,328.8 90.00 179.74 11,969.9 372.5 438.4 -341.8 12.00 12.00 -0.03 12,500.0 90.00 179.74 11,969.9 301.3 438.7 -270.7 0.00 0.00 0.00 12,600.0 90.00 179.74 11,969.9 201.3 439.2 -170.9 0.00 0.00 0.00 12,600.0 90.00 179.74 11,969.9 101.3 439.6 -71.1 0.00 0.00 0.00 12,800.0 90.00 179.74 11,969.9 -98.7 440.5	12,200.0	74.55	179.77	11,952.7	499.8	437.8	-468.8	12.00	12.00	-0.03
12,250.0 80.55 179.76 11,963.5 451.0 438.0 -420.1 12.00 12.00 -0.03 12,275.0 83.55 179.75 11,966.9 426.2 438.1 -395.4 12.00 12.00 -0.03 12,300.0 86.55 179.74 11,969.9 376.3 438.2 -370.5 12.00 12.00 -0.03 12,325.0 89.55 179.74 11,969.9 376.3 438.3 -345.6 12.00 12.00 -0.03 12,328.8 90.00 179.74 11,969.9 372.5 438.4 -341.8 12.00 12.00 -0.03 12,500.0 90.00 179.74 11,969.9 301.3 438.7 -270.7 0.00 0.00 0.00 12,600.0 90.00 179.74 11,969.9 201.3 439.2 -170.9 0.00 0.00 0.00 12,600.0 90.00 179.74 11,969.9 101.3 439.6 -71.1 0.00 0.00 0.00 12,800.0 90.00 179.74 11,969.9 -98.7 440.5	12,225.0	77.55	179.76	11,958.7	475.5	437.9	-444.6	12.00	12.00	-0.03
12,275.0 83.55 179.75 11,966.9 426.2 438.1 -395.4 12.00 12.00 -0.03 12,300.0 86.55 179.74 11,969.1 401.3 438.2 -370.5 12.00 12.00 -0.03 12,325.0 89.55 179.74 11,969.9 376.3 438.3 -345.6 12.00 12.00 -0.03 12,328.8 90.00 179.74 11,969.9 372.5 438.4 -341.8 12.00 12.00 -0.03 12,400.0 90.00 179.74 11,969.9 301.3 438.7 -270.7 0.00 0.00 0.00 12,500.0 90.00 179.74 11,969.9 201.3 439.2 -170.9 0.00 0.00 0.00 12,600.0 90.00 179.74 11,969.9 101.3 439.6 -71.1 0.00 0.00 0.00 12,700.0 90.00 179.74 11,969.9 -98.7 440.1 28.7 0.00 0.00 0.00 12,800.0 90.00 179.74 11,969.9 -98.7 440.5 1				,						
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12,400.0 90.00 179.74 11,969.9 301.3 438.7 -270.7 0.00 0.00 0.00 12,500.0 90.00 179.74 11,969.9 201.3 439.2 -170.9 0.00 0.00 0.00 12,600.0 90.00 179.74 11,969.9 101.3 439.6 -71.1 0.00 0.00 0.00 12,700.0 90.00 179.74 11,969.9 1.3 440.1 28.7 0.00 0.00 0.00 12,800.0 90.00 179.74 11,969.9 -98.7 440.5 128.5 0.00 0.00 0.00 12,900.0 90.00 179.74 11,969.9 -198.7 441.0 228.3 0.00 0.00 0.00 13,000.0 90.00 179.74 11,969.9 -298.7 441.5 328.1 0.00 0.00 0.00 13,100.0 90.00 179.74 11,969.9 -398.7 441.9 427.8 0.00 0.00 0.00 13,200.0 90.00 179.74 11,969.9 -398.7 441.9 427.8	12.328 8	90.00	179.74	11,969.9	372.5	438.4	-341.8	12.00	12.00	-0.03
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12,700.0 90.00 179.74 11,969.9 1.3 440.1 28.7 0.00 0.00 0.00 12,800.0 90.00 179.74 11,969.9 -98.7 440.5 128.5 0.00 0.00 0.00 12,900.0 90.00 179.74 11,969.9 -198.7 441.0 228.3 0.00 0.00 0.00 13,000.0 90.00 179.74 11,969.9 -298.7 441.5 328.1 0.00 0.00 0.00 13,100.0 90.00 179.74 11,969.9 -398.7 441.9 427.8 0.00 0.00 0.00 13,200.0 90.00 179.74 11,969.9 -498.7 442.4 527.6 0.00 0.00 0.00 13,300.0 90.00 179.74 11,970.0 -598.7 442.8 627.4 0.00 0.00 0.00										
12,800.0 90.00 179.74 11,969.9 -98.7 440.5 128.5 0.00 0.00 0.00 12,900.0 90.00 179.74 11,969.9 -198.7 441.0 228.3 0.00 0.00 0.00 13,000.0 90.00 179.74 11,969.9 -298.7 441.5 328.1 0.00 0.00 0.00 13,100.0 90.00 179.74 11,969.9 -398.7 441.9 427.8 0.00 0.00 0.00 13,200.0 90.00 179.74 11,969.9 -498.7 442.4 527.6 0.00 0.00 0.00 13,300.0 90.00 179.74 11,970.0 -598.7 442.8 627.4 0.00 0.00 0.00	,									
12,900.0 90.00 179.74 11,969.9 -198.7 441.0 228.3 0.00 0.00 0.00 13,000.0 90.00 179.74 11,969.9 -298.7 441.5 328.1 0.00 0.00 0.00 13,100.0 90.00 179.74 11,969.9 -398.7 441.9 427.8 0.00 0.00 0.00 13,200.0 90.00 179.74 11,969.9 -498.7 442.4 527.6 0.00 0.00 0.00 13,300.0 90.00 179.74 11,970.0 -598.7 442.8 627.4 0.00 0.00 0.00	12 800 0	90 00	170 7⊿	11 969 9		440 5	128 5	0.00	0.00	0.00
13,000.0 90.00 179.74 11,969.9 -298.7 441.5 328.1 0.00 0.00 0.00 13,100.0 90.00 179.74 11,969.9 -398.7 441.9 427.8 0.00 0.00 0.00 13,200.0 90.00 179.74 11,969.9 -498.7 442.4 527.6 0.00 0.00 0.00 13,300.0 90.00 179.74 11,970.0 -598.7 442.8 627.4 0.00 0.00 0.00										
13,100.0 90.00 179.74 11,969.9 -398.7 441.9 427.8 0.00 0.00 0.00 13,200.0 90.00 179.74 11,969.9 -498.7 442.4 527.6 0.00 0.00 0.00 13,300.0 90.00 179.74 11,970.0 -598.7 442.8 627.4 0.00 0.00 0.00										
13,200.0 90.00 179.74 11,969.9 -498.7 442.4 527.6 0.00 0.00 0.00 13,300.0 90.00 179.74 11,970.0 -598.7 442.8 627.4 0.00 0.00 0.00										
13,300.0 90.00 179.74 11,970.0 -598.7 442.8 627.4 0.00 0.00 0.00										
	13,400.0	90.00	179.74	11,970.0	-596. <i>1</i> -698.7	442.6	727.2	0.00	0.00	0.00

eog resources

Planning Report

Database: Company:

Project:

PEDM Midland

Lea County, NM (NAD 83 NME)

Site: Jefe 29 Fed Com

 Well:
 #716H

 Wellbore:
 OH

 Design:
 Plan #0.2

Local Co-ordinate Reference:

TVD Reference: MD Reference: North Reference:

Survey Calculation Method:

Well #716H

kb = 25' @ 3373.0usft kb = 25' @ 3373.0usft

Grid

Design:	Plan #0.2								
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)
13,500.0	90.00	179.74	11,970.0	-798.7	443.8	827.0	0.00	0.00	0.00
13,600.0	90.00	179.74	11,970.0	-898.7	444.2	926.8	0.00	0.00	0.00
13,700.0	90.00	179.74	11,970.0	-998.7	444.7	1,026.6	0.00	0.00	0.00
13,800.0	90.00	179.74	11,970.0	-1,098.7	445.2	1,126.4	0.00	0.00	0.00
13,900.0	90.00	179.74	11,970.0	-1,198.7	445.6	1,226.2	0.00	0.00	0.00
14,000.0	90.00	179.74	11,970.0	-1,298.7	446.1	1,326.0	0.00	0.00	0.00
14,100.0	90.00	179.74	11,970.0	-1,398.7	446.5	1,425.8	0.00	0.00	0.00
14,200.0	90.00	179.74	11,970.0	-1,498.7	447.0	1,525.6	0.00	0.00	0.00
14,300.0	90.00	179.74	11,970.0	-1,598.7	447.5	1,625.4	0.00	0.00	0.00
14,400.0	90.00	179.74	11,970.0	-1,698.7	447.9	1,725.2	0.00	0.00	0.00
14,500.0	90.00	179.74	11,970.0	-1,798.7	448.4	1,825.0	0.00	0.00	0.00
14,600.0	90.00	179.74	11,970.0	-1,898.7	448.8	1,924.8	0.00	0.00	0.00
14,700.0	90.00	179.74	11,970.0	-1,998.7	449.3	2,024.6	0.00	0.00	0.00
14,800.0	90.00	179.74	11,970.0	-2,098.7	449.8	2,124.4	0.00	0.00	0.00
14,900.0	90.00	179.74	11,970.0	-2,198.7	450.2	2,224.2	0.00	0.00	0.00
15,000.0	90.00	179.74	11,970.0	-2,298.7	450.7	2,324.0	0.00	0.00	0.00
15,100.0	90.00	179.74	11,970.0	-2,398.7	451.2	2,423.8	0.00	0.00	0.00
15,200.0	90.00	179.74	11,970.0	-2,498.7	451.6	2,523.6	0.00	0.00	0.00
15,300.0	90.00	179.74	11,970.0	-2,598.7	452.1	2,623.4	0.00	0.00	0.00
15,400.0	90.00	179.74	11,970.0	-2,698.7	452.5	2,723.2	0.00	0.00	0.00
15,500.0	90.00	179.74	11,970.0	-2,798.7	453.0	2,823.0	0.00	0.00	0.00
15,600.0	90.00	179.74	11,970.0	-2,898.7	453.5	2,922.8	0.00	0.00	0.00
15,700.0	90.00	179.74	11,970.0	-2,998.7	453.9	3,022.6	0.00	0.00	0.00
15,800.0	90.00	179.74	11,970.0	-3,098.7	454.4	3,122.4	0.00	0.00	0.00
15,900.0	90.00	179.74	11,970.0	-3,198.6	454.8	3,222.2	0.00	0.00	0.00
16,000.0	90.00	179.74	11,970.0	-3,298.6	455.3	3,322.0	0.00	0.00	0.00
16,100.0 16,200.0	90.00 90.00	179.74 179.74	11,970.0 11,970.0	-3,398.6 -3,498.6	455.8 456.2	3,421.8 3,521.6	0.00 0.00	0.00 0.00	0.00 0.00
16,300.0	90.00	179.74	11,970.0	-3,598.6	456.7	3,621.4	0.00	0.00	0.00
16,400.0	90.00	179.74	11,970.0	-3,698.6	457.2	3,721.2	0.00	0.00	0.00
16,500.0 16,600.0	90.00 90.00	179.74 179.74	11,970.0 11,970.0	-3,798.6 -3,898.6	457.6 458.1	3,821.0 3,920.8	0.00 0.00	0.00 0.00	0.00 0.00
16,700.0	90.00	179.74	11,970.0	-3,998.6	458.5	4,020.6	0.00	0.00	0.00
16,800.0 16,900.0	90.00 90.00	179.74 179.74	11,970.0 11,970.0	-4,098.6 -4,198.6	459.0 459.5	4,120.4 4,220.2	0.00 0.00	0.00 0.00	0.00 0.00
17,000.0	90.00	179.74	11,970.0	-4,198.6 -4,298.6	459.5	4,320.2	0.00	0.00	0.00
17,100.0	90.00	179.74	11,970.0	-4,398.6	460.4	4,419.8	0.00	0.00	0.00
17,200.0	90.00	179.74	11,970.0	-4,498.6	460.8	4,519.6	0.00	0.00	0.00
17,300.0	90.00	179.74	11,970.0	-4,598.6	461.3	4,619.4	0.00	0.00	0.00
17,400.0	90.00	179.74	11,970.0	-4,698.6	461.8	4,719.2	0.00	0.00	0.00
17,500.0	90.00	179.74	11,970.0	-4,798.6	462.2	4,819.0	0.00	0.00	0.00
17,600.0	90.00	179.74	11,970.0	-4,898.6	462.7	4,918.8	0.00	0.00	0.00
17,700.0	90.00	179.74	11,970.0	-4,998.6	463.2	5,018.6	0.00	0.00	0.00
17,800.0	90.00	179.74	11,970.0	-5,098.6	463.6	5,118.4	0.00	0.00	0.00
17,900.0	90.00	179.74	11,970.0	-5,198.6	464.1	5,218.2	0.00	0.00	0.00
18,000.0	90.00	179.74	11,970.0	-5,298.6	464.5	5,318.0	0.00	0.00	0.00
18,100.0	90.00	179.74	11,970.0	-5,398.6	465.0	5,417.8	0.00	0.00	0.00
18,200.0	90.00	179.74	11,970.0	-5,498.6	465.5	5,517.6	0.00	0.00	0.00
18,300.0	90.00	179.74	11,970.0	-5,598.6	465.9	5,617.4	0.00	0.00	0.00
18,400.0	90.00	179.74	11,970.0	-5,698.6	466.4	5,717.2	0.00	0.00	0.00
18,500.0	90.00	179.74	11,970.0	-5,798.6	466.8	5,817.0	0.00	0.00	0.00
18,600.0	90.00	179.74	11,970.0	-5,898.6	467.3	5,916.8	0.00	0.00	0.00
18,700.0	90.00	179.74	11,970.0	-5,998.6	467.8	6,016.5	0.00	0.00	0.00
18,800.0	90.00	179.74	11,970.0	-6,098.6	468.2	6,116.3	0.00	0.00	0.00



Planning Report

Database: Company: Project: PEDM

Midland

Lea County, NM (NAD 83 NME)

Site: Jefe 29 Fed Com

 Well:
 #716H

 Wellbore:
 OH

 Design:
 Plan #0.2

Local Co-ordinate Reference:

TVD Reference: MD Reference: North Reference:

Survey Calculation Method:

Well #716H

kb = 25' @ 3373.0usft kb = 25' @ 3373.0usft

Grid

nned 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)
18,900.0	90.00	179.74	11,970.0	-6,198.6	468.7	6,216.1	0.00	0.00	0.00
19,000.0	90.00	179.74	11,970.0	-6,298.6	469.2	6,315.9	0.00	0.00	0.00
19,100.0	90.00	179.74	11,970.0	-6,398.6	469.6	6,415.7	0.00	0.00	0.00
19,200.0	90.00	179.74	11,970.0	-6,498.6	470.1	6,515.5	0.00	0.00	0.00
19,300.0	90.00	179.74	11,970.0	-6,598.6	470.5	6,615.3	0.00	0.00	0.00
19,400.0	90.00	179.74	11,970.0	-6,698.6	471.0	6,715.1	0.00	0.00	0.00
19,500.0	90.00	179.74	11,970.0	-6,798.6	471.5	6,814.9	0.00	0.00	0.00
19,600.0	90.00	179.74	11,970.0	-6,898.6	471.9	6,914.7	0.00	0.00	0.00
19,616.4	90.00	179.74	11.970.0	-6,915.0	472.0	6,931.1	0.00	0.00	0.00

Design Targets									
Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
KOP(Jefe 29 Fed Com # - plan hits target cer - Point		0.00	11,492.5	850.0	437.0	401,163.00	740,637.00	32° 6′ 4.468 N	103° 41' 22.937 W
FTP(Jefe 29 Fed Com # - plan hits target cer - Point		0.00	11,705.2	800.0	437.0	401,113.00	740,637.00	32° 6′ 3.973 N	103° 41' 22.940 W
PBHL(Jefe 29 Fed Com - plan hits target cer - Point	0.00 iter	0.00	11,970.0	-6,915.0	472.0	393,398.00	740,672.00	32° 4' 47.626 N	103° 41' 23.069 W



Azimuths to Grid North True North: -0.34° Magnetic North: 6.36° **Magnetic Field** Strength: 47503.4nT

Dip Angle: 59.80° Date: 7/15/2020

Model: IGRF2020

To convert a Magnetic Direction to a Grid Direction, Add 6.36° To convert a Magnetic Direction to a True Direction, Add 6.70° East To convert a True Direction to a Grid Direction, Subtract 0.34°

Lea County, NM (NAD 83 NME)

Jefe 29 Fed Com #716H

Plan #0.2

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

Geodetic System: US State Plane 1983 **Datum: North American Datum 1983** Ellipsoid: GRS 1980

Zone: New Mexico Eastern Zone System Datum: Mean Sea Level

WELL DETAILS: #716H

3348.0

kb = 25' @ 3373.0usft

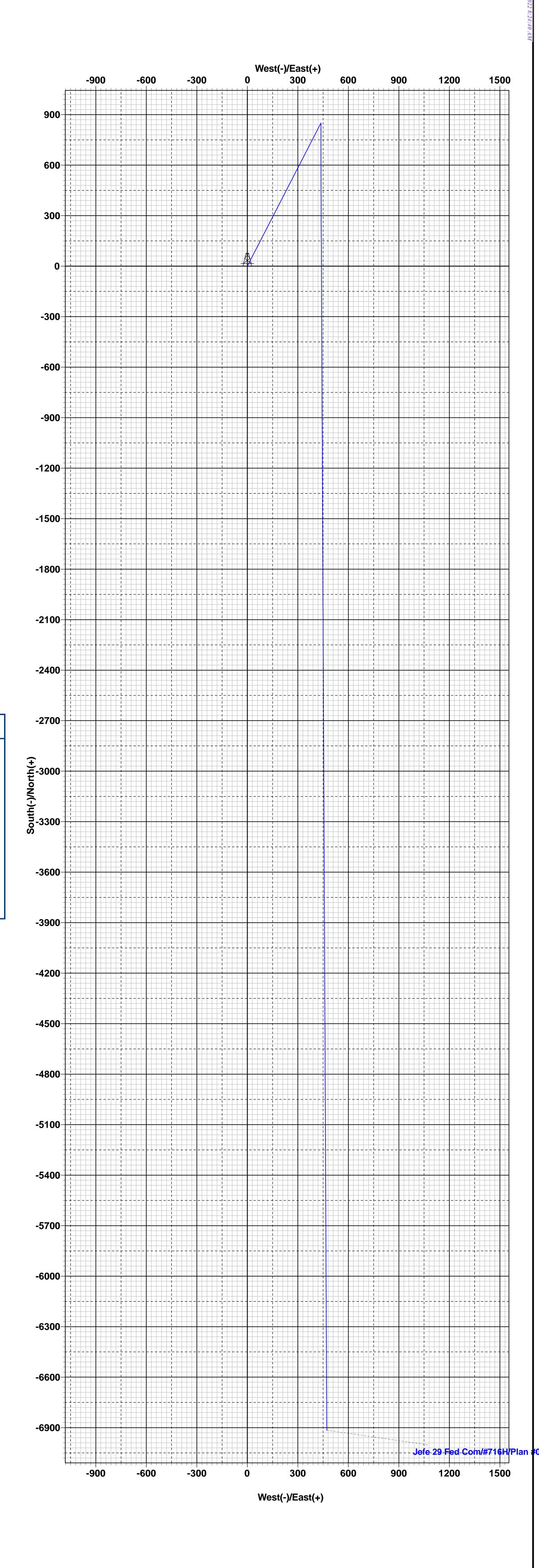
Northing Longitude 103° 41' 28.076 W **Easting** Latittude 32° 5' 56.083 N 400313.00 740200.00

	SECTION DETAILS												
	Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect	Target		
	1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0			
	2	1400.0	0.00	0.00	1400.0	0.0	0.0	0.00	0.00	0.0			
	3	1934.4	10.69	27.21	1931.3	44.2	22.7	2.00	27.21	-42.5			
	4	6551.9	10.69	27.21	6468.7	805.8	414.3	0.00	0.00	-775.7			
	5	7086.3	0.00	0.00	7000.0	850.0	437.0	2.00	180.00	-818.3			
	6	11578.8	0.00	0.00	11492.5	850.0	437.0	0.00	0.00	-818.3	KOP(Jefe 29 Fed Com #728H)		
	7	11799.2	26.46	180.00	11705.2	800.0	437.0	12.00	180.00	-768.4	FTP(Jefe 29 Fed Com #728H)		
+ + -	8	12328.8	90.00	179.74	11969.9	372.5	438.4	12.00	-0.30	-341.8			
	9	19616.4	90.00	179.74	11970.0	-6915.0	472.0	0.00	0.00	6931.1	PBHL(Jefe 29 Fed Com #728H)		

CASING DETAILS No casing data is available

10400

WELLBORE TARGET DETAILS (MAP CO-ORDINATES) **Easting** 850.0 800.0 KOP(Jefe 29 Fed Com #728H) 11492.5 740637.00 FTP(Jefe 29 Fed Com #728H) 11705.2 740637.00 PBHL(Jefe 29 Fed Com #728H) 11970.0 -6915.0 393398.00 740672.00



Vertical Section at 176.10°

|-|-|-|-

Lea County, NM (NAD 83 NME) Jefe 29 Fed Com 13:50, September 20 2022

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

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

Action 150938

CONDITIONS

Operator:	OGRID:
EOG RESOURCES INC	7377
P.O. Box 2267	Action Number:
Midland, TX 79702	150938
	Action Type:
	[C-103] NOI Change of Plans (C-103A)

CONDITIONS

Created By	Condition	Condition Date
pkautz	None	10/14/2022