Form 3160-5 (June 2019)

UNITED STATES DEPARTMENT OF THE INTERIOR

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

BUR	EAU OF LAND MANAGEMENT		5. Lease Serial No.	NMNM26394
Do not use this t	NOTICES AND REPORTS ON W form for proposals to drill or to Use Form 3160-3 (APD) for suc	re-enter an	6. If Indian, Allottee	or Tribe Name
SUBMIT IN	TRIPLICATE - Other instructions on pag	e 2	7. If Unit of CA/Agre	eement, Name and/or No.
1. Type of Well Oil Well Gas V	Well Other		8. Well Name and No	O. GREEN DRAKE 16 FED COM/506H
2. Name of Operator EOG RESOURG	CES INCORPORATED		9. API Well No. 3002	2551089
	BBY 2, HOUSTON, TX 770 3b. Phone No.	(include area code)	10. Field and Pool or	
	(713) 651-70			ER BONE SPRING
4. Location of Well <i>(Footage, Sec., T.,F.)</i> SEC 16/T25S/R33E/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 NOT	TICE, REPORT OR OT	HER DATA
TYPE OF SUBMISSION		TYPE OF AC	CTION	
✓ Notice of Intent		aulic Fracturing Rec	duction (Start/Resume)	Water Shut-Off Well Integrity ✓ Other
Subsequent Report			nporarily Abandon	• Other
Final Abandonment Notice			ter Disposal	
completion of the involved operation completed. Final Abandonment Notice is ready for final inspection.) EOG respectfully requests and the following changes: Green Drake 16 Fed Com 506 Change SHL from T-25-S, R-3 to T-25-S, R-33-E, Sec 16, 23 Change BHL from T-25-S, R-3 to T-25-S, R-33-E, Sec 21, 10 Update casing and cement process.	33-E, Sec 16, 2390' FSL, 2169' FWL, Le: 90' FSL, 2144' FWL, Lea Co., N.M. 33-E, Sec 21, 100' FSL, 1500' FWL, Lea 0' FSL, 880' FWL, Lea Co., N.M. ogram to current design.	npletion or recompletion in a s, including reclamation, have s well to reflect a Co., NM,	new interval, a Form 3	3160-4 must be filed once testing has been
 I hereby certify that the foregoing is STAR HARRELL / Ph: (432) 848-9 	true and correct. Name (<i>Printed/Typed</i>) 161	Regulatory Special	list	
Signature		Title Date	05/13/2	2023
	THE SPACE FOR FED	ERAL OR STATE O	FICE USE	
Approved by				
CODY LAYTON / Ph: (575) 234-59	959 / Approved	Assistant Field Title	d Manager Lands & I	05/22/2023 Date
	hed. Approval of this notice does not warran equitable title to those rights in the subject lenduct operations thereon.)	
		•		

Title 18 U.S.C Section 1001 and Title 43 U.S.C Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

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, 3162.3-4.

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: TR\ K\ /\ 2390\ FSL\ /\ 2169\ FWL\ /\ TWSP: 25S\ /\ RANGE: 33E\ /\ SECTION: 16\ /\ LAT: 32.1298943\ /\ LONG: -103.5787503\ (\ TVD: 0\ feet\ ,\ MD: 0\ feet\)$ PPP: TR\ K\ /\ 2540\ FSL\ /\ 1500\ FWL\ /\ TWSP: 25S\ /\ RANGE: 33E\ /\ SECTION: 16\ /\ LAT: 32.1303109\ /\ LONG: -103.5809108\ (\ TVD: 10536\ feet\ ,\ MD: 10576\ feet\) BHL: TR\ N\ /\ 100\ FSL\ /\ 1500\ FWL\ /\ TWSP: 25S\ /\ RANGE: 33E\ /\ SECTION: 21\ /\ LAT: 32.1090836\ /\ LONG: -103.5809243\ (\ TVD: 10801\ feet\ ,\ MD: 18400\ feet\)

DISTRICT I

1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-0161 Fast: (575) 393-0720

DISTRICT II

81 I S. First St., Artesin, NM 88210
Phone: (575) 484-1283 Fast: (575) 748-9720

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone: (505) 334-6178 Fast: (505) 334-6170

DISTRICT IV
1220 S. St. Francis Dr., Santa Fc, NM 87505
Phone: (505) 476-3460 Fast: (505) 476-3462

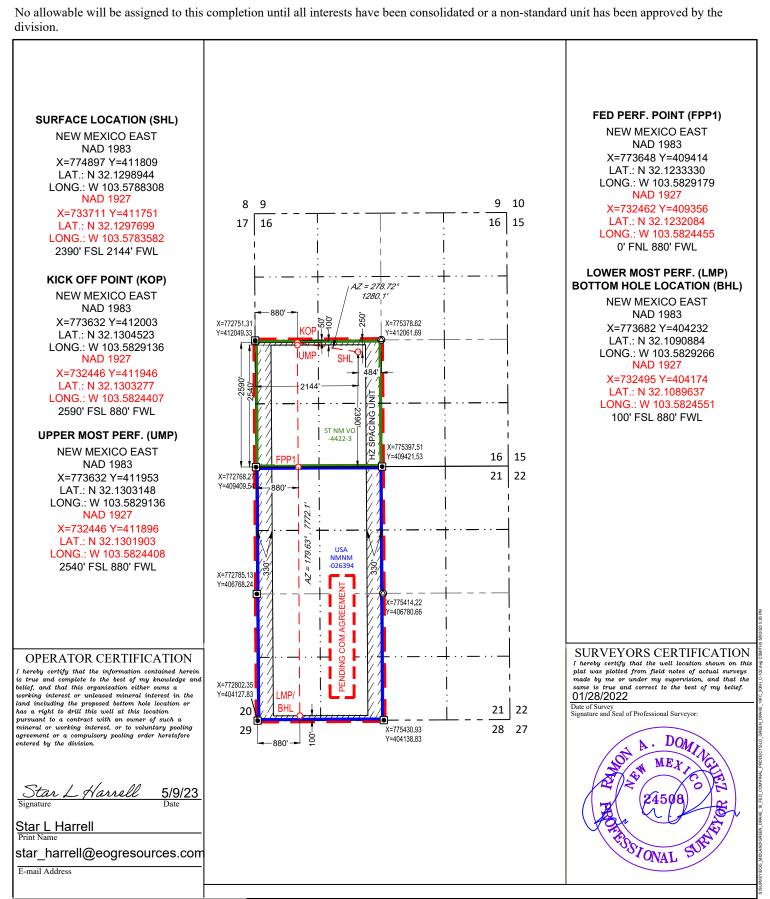
State of New Mexico Energy, Minerals & Natural Resources Department OIL CONSERVATION DIVISION 1220 South St. Francis Dr. Santa Fe, New Mexico 87505

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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

	PI Number 0-025-			Pool Code 51020		Red Hills; Lower Bone Spring				
Property Co	ode		Property Name Well					Well Nun	Well Number	
32312	2			GRE	EN DRAKE 16	FED COM		50	6H	
OGRID N	o.				Operator Name			Elevatio		
7377				EC	G RESOURCI	ES, INC.		34	04'	
	Surface Location									
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County	
K	16	25-S	25-S 33-E		2390'	SOUTH	2144'	WEST	LEA	
			Bott	om Hole	Location If Diff	erent From Surfac	ee	•		
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County	
М	21	25-S	5-S 33-E -		100'	SOUTH 880'		WEST	LEA	
Dedicated Acres	Joint or	Infill	Consolidated Coo	de Orde	er No.					
480.00			PENDING COM AGREEMENT							



Revised Permit Information 05/04/2023:

Well Name: Green Drake 16 Fed Com 506H

Location: SHL: 2390' FSL & 2144' FWL, Section 16, T-25-S, R-33-E, Lea Co., N.M.

BHL: 100' FSL & 880' FWL, Section 21, T-25-S, R-33-E, Lea Co., N.M.

Casing Program A:

Hole	Interv	al MD	Interval TVD		Csg			
Size	From (ft)	To (ft)	From (ft)	To (ft)	OD	Weight	Grade	Conn
16"	0	1,140	0	1,140	13-3/8"	54.5#	J-55	STC
11"	0	4,115	0	4,000	9-5/8"	40#	J-55	LTC
11"	4,115	4,825	4,000	4,710	9-5/8"	40#	HCK-55	LTC
6-3/4"	0	18,747	0	11,071	5-1/2"	17#	HCP-110	LTC

Variance is requested to waive the centralizer requirements for the 9-5/8" casing in the 11" hole size. An expansion additive will be utilized, in the cement slurry, for the entire length of the 11" 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.

EOG requests permission to allow deviation from the 0.422" annulus clearance requirement for the intermediate (salt) section from Onshore Order #2 under the following conditions:

- The variance is not applicable within the Potash Boundaries or Capitan Reef areas.
- Operator takes responsibility to get casing to set point in the event that the clearance causes stuck pipe issues.

Cementing Program:

		Wt.	Yld	Slurry Description
Depth	No. Sacks	ppg	Ft3/sk	Siurry Description
1,140' 13-3/8"	340	13.5	1.73	Lead: Class C + 4.0% Bentonite Gel + 0.5% CaCl2 + 0.25 lb/sk Cello-Flake (TOC @ Surface)
	100	14.8	1.34	Tail: Class C + 0.6% FL-62 + 0.25 lb/sk Cello-Flake + 0.2% Sodium Metasilicate (TOC @ 940')
4,710' 9-5/8"	450	12.7	2.22	Lead: Class C + 10% NaCl + 6% Bentonite Gel + 3% MagOx (TOC @ Surface)
	160	14.8	1.32	Tail: Class C + 10% NaCL + 3% MagOx (TOC @ 3,770')
18,747' 5-1/2"	380	10.5	3.21	Lead: Class H + 0.4% Halad-344 + 0.35% HR-601 + 3% Microbond (TOC @ 4,210')
	570	13.2	1.52	Tail: Class H + 5% NEX-020 + 0.2% NAC-102 + 0.15% NAS-725 + 0.5% NFL-549 + 0.2% NFP-703 + 1% NBE-737 + 0.3% NRT-241 (TOC @ 10710')



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

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.

Mud Program:

Depth (TVD)	Type	Type Weight (ppg)		Water Loss
0 – 1,140'	Fresh - Gel	8.6-8.8	28-34	N/c
1,140' – 4,710'	Brine	8.6-8.8	28-34	N/c
4,710' – 18,747'	Oil Base	8.8-9.5	58-68	N/c - 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 21 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"



TUBING REQUIREMENTS

EOG respectively requests an exception to the following NMOCD rule:

• 19.15.16.10 Casing AND TUBING RQUIREMENTS:

J (3): "The operator shall set tubing as near the bottom as practical and tubing perforations shall not be more than 250 feet above top of pay zone."

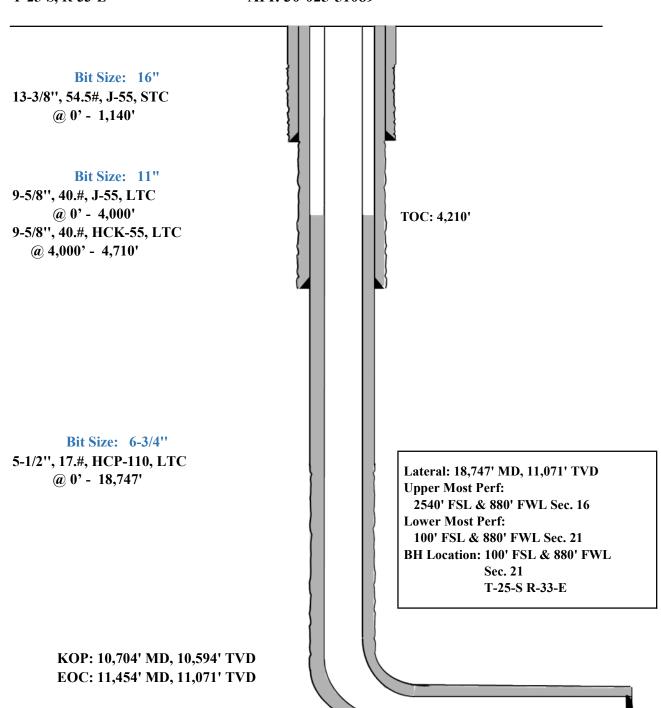
With horizontal flowing and gas lifted wells an end of tubing depth placed at or slightly above KOP is a conservative way to ensure the tubing stays clean from debris, plugging, and allows for fewer well interventions post offset completion. The deeper the tubulars are run into the curve, the higher the probability is that the tubing will become stuck in sand and or well debris as the well produces over time. An additional consideration for EOT placement during artificial lift installations is avoiding the high dog leg severity and inclinations found in the curve section of the wellbore to help improve reliability and performance. Dog leg severity and inclinations tend not to hamper gas lifted or flowing wells, but they do effect other forms of artificial lift like rod pump or ESP (electric submersible pump). Keeping the EOT above KOP is an industry best practice for those respective forms of artificial lift.

Revised Wellbore A: 2390' FSL KB: 3429' GL: 3404'

2144' FWL

Section 16

T-25-S, R-33-E API: 30-025-51089





Revised Permit Information 05/04/2023:

Well Name: Green Drake 16 Fed Com 506H

Location: SHL: 2390' FSL & 2144' FWL, Section 16, T-25-S, R-33-E, Lea Co., N.M.

BHL: 100' FSL & 880' FWL, Section 21, T-25-S, R-33-E, Lea Co., N.M.

Casing Program B:

Hole	Interval MD		Interval TVD		Csg			
Size	From (ft)	To (ft)	From (ft)	To (ft)	OD	Weight	Grade	Conn
13-1/2"	0	1,140	0	1,140	10-3/4"	40.5#	J-55	STC
9-7/8"	0	4,115	0	4,000	8-5/8"	32#	J-55	BTC-SC
9-7/8"	4,115	4,825	4,000	4,710	8-5/8"	32#	P110-EC	BTC-SC
6-3/4"	0	18,747	0	11,071	5-1/2"	17#	HCP-110	LTC

Cementing Program:

Cementing 110gram.									
Depth	No. Sacks	Wt. ppg	Yld Ft3/sk	Slurry Description					
1,140' 10-3/4''	380	13.5	1.73	Lead: Class C + 4.0% Bentonite Gel + 0.5% CaCl2 + 0.25 lb/sk Cello- Flake (TOC @ Surface)					
	110	14.8	1.34	Tail: Class C + 0.6% FL-62 + 0.25 lb/sk Cello-Flake + 0.2% Sodium Metasilicate (TOC @ 940')					
4,710' 8-5/8''	320	12.7	2.22	Lead: Class C + 10% NaCl + 6% Bentonite Gel + 3% MagOx (TOC @ Surface)					
	150	14.8	1.32	Tail: Class C + 10% NaCL + 3% MagOx (TOC @ 3,770')					
18,747' 5-1/2''	640	10.5	3.21	Lead: Class H + 0.4% Halad-344 + 0.35% HR-601 + 3% Microbond (TOC @ 4,210')					
	590	13.2	1.52	Tail: Class H + 5% NEX-020 + 0.2% NAC-102 + 0.15% NAS-725 + 0.5% NFL-549 + 0.2% NFP-703 + 1% NBE-737 + 0.3% NRT-241 (TOC @ 10710')					

Variance is requested to waive the centralizer requirements for the 8-5/8" 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 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.

EOG requests permission to allow deviation from the 0.422" annulus clearance requirement for the intermediate (salt) section from Onshore Order #2 under the following conditions:

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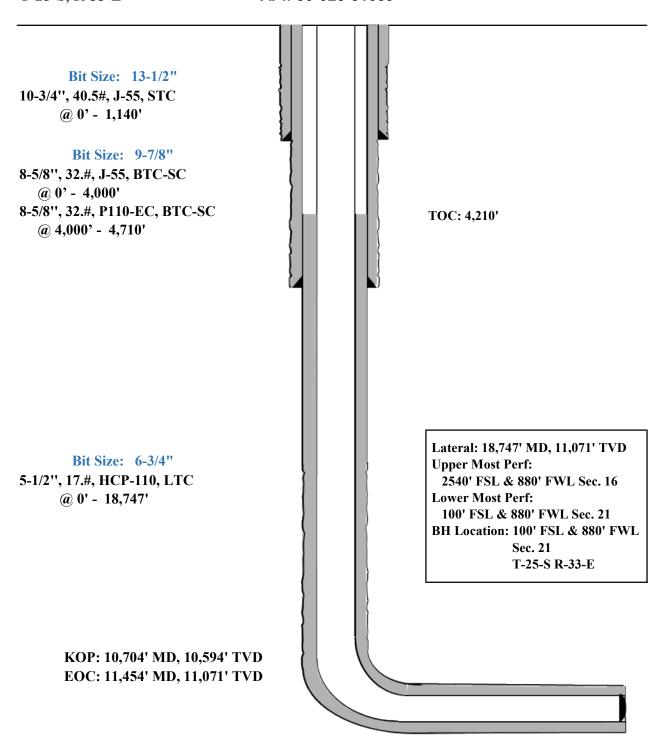
- Full BOPE test at first installation on the pad.
- Full BOPE test every 21 days per Onshore Order No. 2.
- Function test BOP elements per Onshore Order No. 2.
- Break testing BOP and BOPE coupled with batch drilling operations and option to offline cement and/or remediate (if needed) any surface or 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"

Seog resourcesGreen Drake 16 Fed Com 506H

2390' Revised Wellbore B: KB: 3429' 2144' GL: 3404'

Section 16

T-25-S, R-33-E API: 30-025-51089





GEOLOGIC NAME OF SURFACE FORMATION:

Permian

ESTIMATED TOPS OF IMPORTANT GEOLOGICAL MARKERS:

Rustler	1,041'
Tamarisk Anhydrite	1,112'
Top of Salt	1,321'
Base of Salt	4,606'
Lamar	4,972'
Bell Canyon	5,024'
Cherry Canyon	6,114'
Brushy Canyon	9,007'
Bone Spring Lime	9,190'
Leonard (Avalon) Shale	9,248'
1st Bone Spring Sand	10,122'
2nd Bone Spring Shale	10,362'
2nd Bone Spring Sand	10,716'
3rd Bone Spring Carb	11,230'
3rd Bone Spring Sand	11,878'
Wolfcamp	12,299'
TD	11,071'

ESTIMATED DEPTHS OF ANTICIPATED FRESH WATER, OIL OR GAS:

Upper Permian Sands	0- 400'	Fresh Wate
Bell Canyon	5,024'	Oil
Cherry Canyon	6,114'	Oil
Brushy Canyon	9,007'	Oil
Leonard (Avalon) Shale	9,248'	Oil
1st Bone Spring Sand	10,122'	Oil
2nd Bone Spring Shale	10,362'	Oil
2nd Bone Spring Sand	10,716'	Oil



Midland

Lea County, NM (NAD 83 NME) Green Drake 16 Fed Com #506H

OH

Plan: Plan #0.1 RT

Standard Planning Report

11 May, 2023



Database: Company: PEDM

Midland

Project: Lea County, NM (NAD 83 NME) Green Drake 16 Fed Com Site:

Well: #506H Wellbore:

OH

Plan #0.1 RT Design:

Local Co-ordinate Reference:

TVD Reference: MD Reference: North Reference:

Survey Calculation Method:

Well #506H

kb = 26' @ 3430.0usft kb = 26' @ 3430.0usft

Grid

Minimum Curvature

Project

Lea County, NM (NAD 83 NME)

Map System: Geo Datum:

Map Zone:

US State Plane 1983 North American Datum 1983 New Mexico Eastern Zone

System Datum:

Mean Sea Level

Green Drake 16 Fed Com Site

Site Position: From:

Мар

Northing: Easting:

411,802.00 usft 773,380.00 usft

Latitude: Longitude:

32° 7' 47.652 N 103° 35' 1.431 W

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

0.0 usft

0.0 usft

0.0 usft

Well #506H

Well Position +N/-S

Position Uncertainty

+E/-W

Northing: Easting:

411,809.00 usft 774,897.00 usft Wellhead Elevation: usft Latitude: Longitude: **Ground Level:**

32° 7' 47.616 N 103° 34' 43.790 W

3,404.0 usft

0.40 ° **Grid Convergence:**

Wellbore

ОН

Declination Magnetics **Model Name** Sample Date Dip Angle Field Strength (°) (°) (nT) 47,239.17859298 IGRF2020 5/11/2023 6.32 59.75

(usft)

0.0

Design

Plan #0.1 RT

Audit Notes:

Version:

Phase: Vertical Section: Depth From (TVD) (usft)

18,747.4

PLAN

Tie On Depth: +N/-S +E/-W

(usft)

0.0

0.0 Direction

(°) 189.11

Plan Survey Tool Program

Date 5/11/2023

0.0

Depth From (usft)

0.0

Depth To (usft)

Survey (Wellbore) Plan #0.1 RT (OH)

Tool Name

Remarks

EOG MWD+IFR1 MWD + IFR1



Database: Company:

PEDM Midland

Lea County, NM (NAD 83 NME)

Project: Green Drake 16 Fed Com Site:

Well: #506H Wellbore: ОН

Design: Plan #0.1 RT Local Co-ordinate Reference:

TVD Reference: MD Reference: North Reference:

Survey Calculation Method:

Well #506H

kb = 26' @ 3430.0usft kb = 26' @ 3430.0usft

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	
1,300.0	0.00	0.00	1,300.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,803.8	10.08	278.72	1,801.2	6.7	-43.7	2.00	2.00	0.00	278.72	
8,613.4	10.08	278.72	8,505.8	187.3	-1,221.3	0.00	0.00	0.00	0.00	
9,117.2	0.00	0.00	9,007.0	194.0	-1,265.0	2.00	-2.00	0.00	180.00	
10,703.7	0.00	0.00	10,593.5	194.0	-1,265.0	0.00	0.00	0.00	0.00	KOP(Green Drake 16
10,924.2	26.46	180.00	10,806.2	144.0	-1,265.0	12.00	12.00	81.65	180.00	FTP(Green Drake 16
11,453.7	90.00	179.62	11,070.9	-283.4	-1,263.0	12.00	12.00	-0.07	-0.43	
13,565.3	90.00	179.62	11,071.0	-2,395.0	-1,249.0	0.00	0.00	0.00	0.00	Fed Perf 1(Green Dra
18,747.4	90.00	179.63	11,071.0	-7,577.0	-1,215.0	0.00	0.00	0.00	73.02	PBHL(Green Drake 1



Database: PEDM Company: Midland

Project: Lea County, NM (NAD 83 NME)
Site: Green Drake 16 Fed Com

 Well:
 #506H

 Wellbore:
 OH

 Design:
 Plan #0.1 RT

Local Co-ordinate Reference:

TVD Reference: MD Reference: North Reference:

Survey Calculation Method:

Well #506H

kb = 26' @ 3430.0usft kb = 26' @ 3430.0usft

Grid

Design:	Plan #0.1 R1								
Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	0.00
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	0.00
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	0.00
500.0	0.00	0.00	500.0	0.0	0.0	0.0	0.00	0.00	0.00
600.0	0.00	0.00	600.0	0.0	0.0	0.0	0.00	0.00	0.00
700.0	0.00	0.00	700.0			0.0	0.00	0.00	
				0.0	0.0				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	2.00	278.72	1,400.0	0.3	-1.7	0.0	2.00	2.00	0.00
1 500 0	4.00	270 70	1 400 0	4.4	6.0	0.0	2.00	2.00	0.00
1,500.0	4.00	278.72	1,499.8	1.1	-6.9	0.0	2.00	2.00	0.00
1,600.0	6.00	278.72	1,599.5	2.4	-15.5	0.1	2.00	2.00	0.00
1,700.0	8.00	278.72	1,698.7	4.2	-27.6	0.2	2.00	2.00	0.00
1,803.8	10.08	278.72	1,801.2	6.7	-43.7	0.3	2.00	2.00	0.00
1,900.0	10.08	278.72	1,895.9	9.2	-60.3	0.4	0.00	0.00	0.00
2,000.0	10.08	278.72	1,994.4	11.9	-77.6	0.5	0.00	0.00	0.00
2,100.0	10.08	278.72	2,092.8	14.6	-94.9	0.7	0.00	0.00	0.00
2,200.0	10.08	278.72	2,191.3	17.2	-112.2	0.8	0.00	0.00	0.00
2,300.0	10.08	278.72	2,289.8	19.9	-129.5	0.9	0.00	0.00	0.00
2,400.0	10.08	278.72	2,388.2	22.5	-146.8	1.0	0.00	0.00	0.00
2,500.0	10.08	278.72	2,486.7	25.2	-164.1	1.1	0.00	0.00	0.00
2,600.0	10.08	278.72	2,585.1	27.8	-181.4	1.3	0.00	0.00	0.00
2,700.0	10.08	278.72	2,683.6	30.5	-198.7	1.4	0.00	0.00	0.00
2,800.0	10.08	278.72	2,782.0	33.1	-216.0	1.5	0.00	0.00	0.00
			,						
2,900.0	10.08	278.72	2,880.5	35.8	-233.3	1.6	0.00	0.00	0.00
3,000.0	10.08	278.72	2,979.0	38.4	-250.5	1.7	0.00	0.00	0.00
3,100.0	10.08	278.72	3,077.4	41.1	-267.8	1.8	0.00	0.00	0.00
3,200.0	10.08	278.72	3,175.9	43.7	-285.1	2.0	0.00	0.00	0.00
3,300.0	10.08	278.72	3,173.9	46.4	-302.4	2.1	0.00	0.00	0.00
3,400.0	10.08	278.72	3,372.8	49.0	-319.7	2.2	0.00	0.00	0.00
3,500.0	10.08	278.72	3,471.2	51.7	-337.0	2.3	0.00	0.00	0.00
3,600.0	10.08	278.72	3,569.7	54.3	-354.3	2.4	0.00	0.00	0.00
3,700.0	10.08	278.72	3,668.2	57.0	-371.6	2.4	0.00	0.00	0.00
			,						
3,800.0	10.08	278.72	3,766.6	59.6	-388.9	2.7	0.00	0.00	0.00
3,900.0	10.08	278.72	3,865.1	62.3	-406.2	2.8	0.00	0.00	0.00
4,000.0	10.08	278.72	3,963.5	64.9	-423.5	2.9	0.00	0.00	0.00
4,100.0	10.08	278.72	4,062.0	67.6	-440.8	3.0	0.00	0.00	0.00
4,200.0	10.08	278.72	4,160.4	70.2	-458.1	3.2	0.00	0.00	0.00
4,300.0	10.08	278.72	4,258.9	72.9	-475.4	3.3	0.00	0.00	0.00
4,400.0	10.08	278.72	4,357.4	75.6	-492.7	3.4	0.00	0.00	0.00
4,500.0	10.08	278.72	4,455.8	78.2	-510.0	3.5	0.00	0.00	0.00
4,600.0	10.08	278.72	4,554.3	80.9	-527.2	3.6	0.00	0.00	0.00
4,700.0	10.08	278.72	4,652.7	83.5	-544.5	3.8	0.00	0.00	0.00
4,800.0	10.08	278.72	4,751.2	86.2	-561.8	3.9	0.00	0.00	0.00
4,900.0	10.08	278.72	4,849.6	88.8	-579.1	4.0	0.00	0.00	0.00
5,000.0	10.08	278.72	4,948.1	91.5	-596.4	4.1	0.00	0.00	0.00
5,100.0	10.08	278.72	5,046.6	94.1	-613.7	4.2	0.00	0.00	0.00
5,200.0	10.08	278.72	5,145.0	96.8	-631.0	4.4	0.00	0.00	0.00
5,300.0	10.08	278.72	5,243.5	99.4	-648.3	4.5	0.00	0.00	0.00



Database: PEDM Company: Midland

Project: Lea County, NM (NAD 83 NME)
Site: Green Drake 16 Fed Com

Site: Green Well: #506H

Wellbore: OH
Design: Plan #0.1 RT

Local Co-ordinate Reference:

TVD Reference:
MD Reference:
North Reference:

Survey Calculation Method:

Well #506H

kb = 26' @ 3430.0usft kb = 26' @ 3430.0usft

Grid

sign:	Flail #0.1 KT								
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)
5,400.0	10.08	278.72	5,341.9	102.1	-665.6	4.6	0.00	0.00	0.00
5,500.0	10.08	278.72	5,440.4	104.7	-682.9	4.7	0.00	0.00	0.00
5,600.0	10.08	278.72	5,538.9	107.4	-700.2	4.8	0.00	0.00	0.00
5,700.0	10.08	278.72	5,637.3	110.0	-717.5	5.0	0.00	0.00	0.00
5,800.0	10.08	278.72	5,735.8	112.7	-734.8	5.1	0.00	0.00	0.00
5,900.0	10.08	278.72	5,834.2	115.3	-752.1	5.2	0.00	0.00	0.00
0.000.0	40.00	070.70	F 000 7		700.4	<i>-</i> 2	0.00	0.00	0.00
6,000.0	10.08	278.72	5,932.7	118.0	-769.4	5.3	0.00	0.00	0.00
6,100.0 6,200.0	10.08 10.08	278.72 278.72	6,031.1	120.6 123.3	-786.7 -804.0	5.4	0.00	0.00 0.00	0.00
			6,129.6			5.6	0.00		0.00
6,300.0	10.08	278.72	6,228.1	125.9	-821.2	5.7	0.00	0.00	0.00
6,400.0	10.08	278.72	6,326.5	128.6	-838.5	5.8	0.00	0.00	0.00
6,500.0	10.08	278.72	6,425.0	131.3	-855.8	5.9	0.00	0.00	0.00
6,600.0	10.08	278.72	6,523.4	133.9	-873.1	6.0	0.00	0.00	0.00
6,700.0	10.08	278.72	6,621.9	136.6	-890.4	6.1	0.00	0.00	0.00
6,800.0	10.08	278.72	6,720.3	139.2	-907.7	6.3	0.00	0.00	0.00
6,900.0	10.08	278.72	6,818.8	141.9	-925.0	6.4	0.00	0.00	0.00
7,000.0	10.08	278.72	6,917.3	144.5	-942.3	6.5	0.00	0.00	0.00
7,000.0	10.08	278.72	7,015.7	147.2	-942.3 -959.6	6.6	0.00	0.00	0.00
7,100.0	10.08	278.72	7,013.7 7,114.2	149.8	-939.0 -976.9	6.7	0.00	0.00	0.00
7,200.0	10.08	278.72	7,114.2 7,212.6		-976.9 -994.2			0.00	
	10.08	278.72		152.5		6.9	0.00	0.00	0.00
7,400.0	10.06	210.12	7,311.1	155.1	-1,011.5	7.0	0.00	0.00	0.00
7,500.0	10.08	278.72	7,409.5	157.8	-1,028.8	7.1	0.00	0.00	0.00
7,600.0	10.08	278.72	7,508.0	160.4	-1,046.1	7.2	0.00	0.00	0.00
7,700.0	10.08	278.72	7,606.5	163.1	-1,063.4	7.3	0.00	0.00	0.00
7,800.0	10.08	278.72	7,704.9	165.7	-1,080.7	7.5	0.00	0.00	0.00
7,900.0	10.08	278.72	7,803.4	168.4	-1,097.9	7.6	0.00	0.00	0.00
8,000.0	10.08	278.72	7,901.8	171.0	-1,115.2	7.7	0.00	0.00	0.00
8,100.0	10.08	278.72	8,000.3	173.7	-1,132.5	7.8	0.00	0.00	0.00
8,200.0	10.08	278.72	8,098.7	176.3	-1,149.8	7.9	0.00	0.00	0.00
8,300.0	10.08	278.72	8,197.2	179.0	-1,167.1	8.1	0.00	0.00	0.00
8,400.0	10.08	278.72	8,295.7	181.6	-1,184.4	8.2	0.00	0.00	0.00
0.500.0	40.00	070.70	0.004.4	404.0	1 001 7	0.0	0.00	0.00	0.00
8,500.0	10.08	278.72	8,394.1	184.3	-1,201.7	8.3	0.00	0.00	0.00
8,600.0	10.08	278.72	8,492.6	186.9	-1,219.0	8.4	0.00	0.00	0.00
8,613.4	10.08	278.72	8,505.8	187.3	-1,221.3	8.4	0.00	0.00	0.00
8,700.0	8.34	278.72	8,591.3	189.4	-1,235.0	8.5	2.00	-2.00	0.00
8,800.0	6.34	278.72	8,690.4	191.3	-1,247.7	8.6	2.00	-2.00	0.00
8,900.0	4.34	278.72	8,790.0	192.8	-1,256.9	8.7	2.00	-2.00	0.00
9,000.0	2.34	278.72	8,889.8	193.6	-1,262.6	8.7	2.00	-2.00	0.00
9,100.0	0.34	278.72	8,989.8	194.0	-1,264.9	8.7	2.00	-2.00	0.00
9,117.2	0.00	0.00	9,007.0	194.0	-1,265.0	8.7	2.00	-2.00	0.00
9,200.0	0.00	0.00	9,089.8	194.0	-1,265.0	8.7	0.00	0.00	0.00
9,300.0	0.00	0.00	0 100 0	194.0	1 265 0	8.7	0.00	0.00	0.00
9,300.0 9,400.0			9,189.8		-1,265.0		0.00		
	0.00	0.00	9,289.8	194.0	-1,265.0	8.7 8.7	0.00	0.00	0.00
9,500.0	0.00	0.00	9,389.8	194.0	-1,265.0	8.7 8.7	0.00	0.00	0.00
9,600.0	0.00	0.00	9,489.8	194.0	-1,265.0	8.7 8.7	0.00	0.00	0.00
9,700.0	0.00	0.00	9,589.8	194.0	-1,265.0	8.7	0.00	0.00	0.00
9,800.0	0.00	0.00	9,689.8	194.0	-1,265.0	8.7	0.00	0.00	0.00
9,900.0	0.00	0.00	9,789.8	194.0	-1,265.0	8.7	0.00	0.00	0.00
10,000.0	0.00	0.00	9,889.8	194.0	-1,265.0	8.7	0.00	0.00	0.00
10,100.0	0.00	0.00	9,989.8	194.0	-1,265.0	8.7	0.00	0.00	0.00
10,200.0	0.00	0.00	10,089.8	194.0	-1,265.0	8.7	0.00	0.00	0.00
10,300.0	0.00	0.00	10,189.8	194.0	-1,265.0	8.7	0.00	0.00	0.00
10,400.0	0.00	0.00	10,189.8	194.0	-1,265.0	8.7	0.00	0.00	0.00
10,500.0	0.00	0.00	10,389.8	194.0	-1,265.0	8.7	0.00	0.00	0.00



Database: PEDM Company: Midland

Project: Lea County, NM (NAD 83 NME)
Site: Green Drake 16 Fed Com

Well: #506H Wellbore: OH

Design: Plan #0.1 RT

Local Co-ordinate Reference:

TVD Reference:
MD Reference:
North Reference:

Survey Calculation Method:

Well #506H

kb = 26' @ 3430.0usft kb = 26' @ 3430.0usft

Grid

Design:	Plan #0.1 RT								
Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
10,600.0	0.00	0.00	10,489.8	194.0	-1,265.0	8.7	0.00	0.00	0.00
10,703.7	0.00	0.00	10,593.5	194.0	-1,265.0	8.7	0.00	0.00	0.00
KOP(Green	Drake 16 Fed Co	m #506H)							
10,725.0	2.55	180.00	10,614.8	193.5	-1,265.0	9.2	12.00	12.00	0.00
10,750.0	5.55	180.00	10,639.7	191.8	-1,265.0	10.9	12.00	12.00	0.00
10,775.0	8.55 11.55	180.00 180.00	10,664.5 10,689.1	188.7	-1,265.0	14.0	12.00	12.00 12.00	0.00
10,800.0 10,825.0	14.55	180.00	10,713.5	184.3 178.7	-1,265.0 -1,265.0	18.3 23.9	12.00 12.00	12.00	0.00 0.00
10,850.0 10,875.0	17.56 20.56	180.00 180.00	10,737.5 10,761.1	171.8 163.6	-1,265.0 -1,265.0	30.7 38.7	12.00 12.00	12.00 12.00	0.00 0.00
10,900.0	23.56	180.00	10,784.3	154.2	-1,265.0	48.0	12.00	12.00	0.00
10,924.2	26.46	180.00	10,806.2	144.0	-1,265.0	58.1	12.00	12.00	0.00
FTP(Green	Drake 16 Fed Co	m #506H)							
10,950.0	29.56	179.95	10,829.0	131.9	-1,265.0	70.1	12.00	12.00	-0.18
10,975.0 11,000.0	32.56 35.56	179.92 179.88	10,850.4 10.871.1	119.0 105.0	-1,265.0 -1,265.0	82.8 96.6	12.00 12.00	12.00 12.00	-0.15 -0.13
11,000.0	38.56	179.86	10,871.1	89.9	-1,264.9	111.5	12.00	12.00	-0.13 -0.11
11,050.0	41.56	179.83	10,910.2	73.8	-1,264.9	127.4	12.00	12.00	-0.10
11,075.0	44.56	179.81	10,928.5	56.8	-1,264.8	144.2	12.00	12.00	-0.09
11,100.0	47.56	179.79	10,945.8	38.8	-1,264.8	162.0	12.00	12.00	-0.08
11,125.0	50.56	179.78	10,962.2	19.9	-1,264.7	180.6	12.00	12.00	-0.07
11,150.0	53.56	179.76	10,977.6	0.2	-1,264.6	200.1	12.00	12.00	-0.06
11,175.0	56.56	179.74	10,991.9	-20.3	-1,264.5	220.3	12.00	12.00	-0.06
11,200.0	59.56	179.73	11,005.1	-41.5	-1,264.4	241.2	12.00	12.00	-0.06
11,225.0	62.56	179.72	11,017.2	-63.4	-1,264.3	262.8	12.00	12.00	-0.05
11,250.0	65.56	179.71	11,028.1	-85.9	-1,264.2	285.0	12.00	12.00	-0.05
11,275.0 11,300.0	68.56 71.56	179.69 179.68	11,037.9 11,046.4	-108.9 -132.4	-1,264.1 -1,264.0	307.7 330.9	12.00 12.00	12.00 12.00	-0.05 -0.04
11,325.0	74.56	179.67	11,040.4	-152.4	-1,263.8	354.4	12.00	12.00	-0.04
11,350.0 11,375.0	77.56 80.56	179.66 179.65	11,059.7 11,064.5	-180.6 -205.1	-1,263.7 -1,263.5	378.4 402.6	12.00 12.00	12.00 12.00	-0.04 -0.04
11,400.0	83.56	179.64	11,067.9	-229.9	-1,263.4	427.0	12.00	12.00	-0.04
11,425.0	86.56	179.63	11,070.1	-254.8	-1,263.2	451.6	12.00	12.00	-0.04
11,450.0	89.56	179.62	11,070.9	-279.8	-1,263.1	476.2	12.00	12.00	-0.04
11,453.7	90.00	179.62	11,070.9	-283.4	-1,263.0	479.8	12.00	12.00	-0.04
11,500.0	90.00	179.62	11,070.9	-329.8	-1,262.7	525.5	0.00	0.00	0.00
11,600.0	90.00	179.62	11,070.9	-429.8	-1,262.1	624.2	0.00	0.00	0.00
11,700.0 11,800.0	90.00 90.00	179.62 179.62	11,071.0 11,071.0	-529.7 -629.7	-1,261.4 -1,260.7	722.8 821.4	0.00 0.00	0.00 0.00	0.00 0.00
11,900.0 12,000.0	90.00 90.00	179.62 179.62	11,071.0 11,071.0	-729.7 -829.7	-1,260.1 -1,259.4	920.0 1,018.7	0.00 0.00	0.00 0.00	0.00 0.00
12,000.0	90.00	179.62	11,071.0	-829.7 -929.7	-1,259.4 -1,258.7	1,018.7	0.00	0.00	0.00
12,200.0	90.00	179.62	11,071.0	-1,029.7	-1,258.1	1,215.9	0.00	0.00	0.00
12,300.0	90.00	179.62	11,071.0	-1,129.7	-1,257.4	1,314.6	0.00	0.00	0.00
12,400.0	90.00	179.62	11,071.0	-1,229.7	-1,256.7	1,413.2	0.00	0.00	0.00
12,500.0 12,600.0	90.00 90.00	179.62 179.62	11,071.0 11,071.0	-1,329.7 -1,429.7	-1,256.1 -1,255.4	1,511.8 1,610.5	0.00 0.00	0.00 0.00	0.00 0.00
12,700.0	90.00	179.62	11,071.0	-1,429.7 -1,529.7	-1,255.4 -1,254.8	1,709.1	0.00	0.00	0.00
12,800.0	90.00	179.62	11,071.0	-1,629.7	-1,254.1	1,807.7	0.00	0.00	0.00
12,900.0	90.00	179.62	11,071.0	-1,729.7	-1,253.4	1,906.4	0.00	0.00	0.00
13,000.0	90.00	179.62	11,071.0	-1,829.7	-1,252.8	2,005.0	0.00	0.00	0.00
13,100.0	90.00	179.62	11,071.0	-1,929.7	-1,252.1	2,103.6	0.00	0.00	0.00
13,200.0	90.00	179.62	11,071.0	-2,029.7	-1,251.4	2,202.3	0.00	0.00	0.00
13,300.0	90.00	179.62	11,071.0	-2,129.7	-1,250.8	2,300.9	0.00	0.00	0.00

eog resources

Planning Report

Database: Company: PEDM

Project:

Lea County, NM (NAD 83 NME)

Green Drake 16 Fed Com Site: Well: #506H

Wellbore: Design:

ОН Plan #0.1 RT

Midland

TVD Reference: MD Reference: North Reference:

Local Co-ordinate Reference:

Survey Calculation Method:

Well #506H

kb = 26' @ 3430.0usft

kb = 26' @ 3430.0usft

Grid

igii.	Fiall #0.1 IXI								
nned 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)
42 400 0	00.00	470.00	44.074.0	0.000.7	4.050.4	0.200.5	0.00	0.00	0.00
13,400.0	90.00	179.62	11,071.0	-2,229.7	-1,250.1	2,399.5	0.00	0.00	0.00
13,500.0	90.00	179.62	11,071.0	-2,329.7	-1,249.4	2,498.1	0.00	0.00	0.00
13,565.3	90.00	179.62	11,071.0	-2,395.0	-1,249.0	2,562.5	0.00	0.00	0.00
,	Green Drake 16 F		,						
13,600.0	90.00	179.62	11,071.0	-2,429.7	-1,248.8	2,596.8	0.00	0.00	0.00
13,700.0	90.00	179.62	11,071.0	-2,529.7	-1,248.1	2,695.4	0.00	0.00	0.00
13,800.0	90.00	179.62	11,071.0	-2,629.7	-1,247.4	2.794.0	0.00	0.00	0.00
13,900.0	90.00	179.62	11,071.0	-2,729.7	-1,246.8	2,892.7	0.00	0.00	0.00
14,000.0	90.00	179.62	11,071.0	-2,829.7	-1,246.1	2,991.3	0.00	0.00	0.00
14,100.0	90.00	179.62	11,071.0	-2,929.7	-1,245.5	3,089.9	0.00	0.00	0.00
14,200.0	90.00	179.62	11,071.0	-3,029.7	-1,244.8	3,188.6	0.00	0.00	0.00
14,300.0	90.00	179.62	11,071.0	-3,129.7	-1,244.1	3,287.2	0.00	0.00	0.00
14,400.0	90.00	179.62	11,071.0	-3,229.7	-1,243.5	3,385.8	0.00	0.00	0.00
14,500.0	90.00	179.62	11,071.0	-3,329.7	-1,242.8	3,484.5	0.00	0.00	0.00
14,600.0	90.00	179.62	11,071.0	-3,429.7	-1,242.1	3,583.1	0.00	0.00	0.00
14,700.0	90.00	179.62	11,071.0	-3,529.7	-1,241.5	3,681.7	0.00	0.00	0.00
				,					
14,800.0	90.00	179.62	11,071.0	-3,629.7	-1,240.8	3,780.4	0.00	0.00	0.00
14,900.0	90.00	179.62	11,071.0	-3,729.7	-1,240.2	3,879.0	0.00	0.00	0.00
15,000.0	90.00	179.62	11,071.0	-3,829.7	-1,239.5	3,977.6	0.00	0.00	0.00
15,100.0	90.00	179.62	11,071.0	-3,929.7	-1,238.8	4,076.3	0.00	0.00	0.00
15,200.0	90.00	179.62	11,071.0	-4,029.7	-1,238.2	4,174.9	0.00	0.00	0.00
15,300.0	90.00	179.62	11,071.0	-4,129.7	-1,237.5	4,273.5	0.00	0.00	0.00
	90.00	179.62	11,071.0	-4,129.7 -4,229.7	-1,237.5	4,273.3	0.00	0.00	0.00
15,400.0									
15,500.0	90.00	179.62	11,071.0	-4,329.7	-1,236.2	4,470.8	0.00	0.00	0.00
15,600.0	90.00	179.62	11,071.0	-4,429.7	-1,235.5	4,569.4	0.00	0.00	0.00
15,700.0	90.00	179.62	11,071.0	-4,529.7	-1,234.9	4,668.0	0.00	0.00	0.00
15,800.0	90.00	179.62	11,071.0	-4,629.7	-1,234.2	4,766.7	0.00	0.00	0.00
15,900.0	90.00	179.62	11,071.0	-4,729.7	-1,233.6	4,865.3	0.00	0.00	0.00
16,000.0	90.00	179.62	11,071.0	-4,829.7	-1,232.9	4,963.9	0.00	0.00	0.00
16,100.0	90.00	179.62	11,071.0	-4,929.7	-1,232.3	5,062.6	0.00	0.00	0.00
16,200.0	90.00	179.62	11,071.0	-5,029.7	-1,231.6	5,161.2	0.00	0.00	0.00
16,300.0	90.00	179.62	11,071.0	-5,129.6	-1,230.9	5,259.8	0.00	0.00	0.00
16,400.0	90.00	179.62	11,071.0	-5,229.6	-1,230.3	5,358.5	0.00	0.00	0.00
16,500.0	90.00	179.62	11,071.0	-5,329.6	-1,229.6	5,457.1	0.00	0.00	0.00
16,600.0	90.00	179.62	11,071.0	-5,429.6	-1,229.0	5,555.7	0.00	0.00	0.00
16,700.0	90.00	179.63	11,071.0	-5,529.6	-1,228.3	5,654.4	0.00	0.00	0.00
16,800.0	90.00	179.63	11,071.0	-5,629.6	-1,227.7	5,753.0	0.00	0.00	0.00
16,900.0	90.00	179.63	11,071.0	-5,629.6 -5,729.6	-1,227.7 -1,227.0	5,753.0 5,851.6	0.00	0.00	0.00
17,000.0	90.00	179.63	11,071.0	-5,829.6	-1,226.4	5,950.3	0.00	0.00	0.00
17,100.0	90.00	179.63	11,071.0	-5,929.6	-1,225.7	6,048.9	0.00	0.00	0.00
17,200.0	90.00	179.63	11,071.0	-6,029.6	-1,225.1	6,147.5	0.00	0.00	0.00
17,300.0	90.00	179.63	11,071.0	-6,129.6	-1,224.4	6,246.2	0.00	0.00	0.00
17,400.0	90.00	179.63	11,071.0	-6,229.6	-1,223.8	6,344.8	0.00	0.00	0.00
17,500.0	90.00	179.63	11,071.0	-6,329.6	-1,223.1	6,443.4	0.00	0.00	0.00
17,600.0	90.00	179.63	11,071.0	-6,429.6	-1,222.5	6,542.1	0.00	0.00	0.00
17,700.0	90.00	179.63	11,071.0	-6,529.6	-1,221.8	6,640.7	0.00	0.00	0.00
17,800.0	90.00	179.63	11,071.0	-6,629.6	-1,221.1	6,739.3	0.00	0.00	0.00
17,900.0	90.00	179.63	11,071.0	-6,729.6	-1,220.5	6,838.0	0.00	0.00	0.00
18,000.0	90.00	179.63	11,071.0	-6,829.6	-1,219.8	6,936.6	0.00	0.00	0.00
18,100.0	90.00	179.63	11,071.0	-6,929.6	-1,219.2	7,035.2	0.00	0.00	0.00
18,200.0	90.00	179.63	11,071.0	-7,029.6	-1,218.5	7,133.9	0.00	0.00	0.00
	90.00	179.63	11,071.0	-7,129.6	-1,217.9	7,232.5	0.00	0.00	0.00
18,300.0									



PEDM Database:

Company: Midland

Project: Lea County, NM (NAD 83 NME) Green Drake 16 Fed Com Site:

Well: #506H Wellbore: ОН Design:

Plan #0.1 RT

Local Co-ordinate Reference:

TVD Reference: MD Reference: North Reference:

Survey Calculation Method:

Well #506H

kb = 26' @ 3430.0usft kb = 26' @ 3430.0usft

Grid

lanned 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)
18,500.0	90.00	179.63	11,071.0	-7,329.6	-1,216.6	7,429.8	0.00	0.00	0.00
18,600.0	90.00	179.63	11,071.0	-7,429.6	-1,216.0	7,528.4	0.00	0.00	0.00
18,700.0	90.00	179.63	11,071.0	-7,529.6	-1,215.3	7,627.0	0.00	0.00	0.00
18,747.4	90.00	179.63	11,071.0	-7,577.0	-1,215.0	7,673.8	0.00	0.00	0.00
PBHL(Green	Drake 16 Fed C	om #506H)							

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(Green Drake 16 F - plan hits target ce - Point		0.00	10,593.5	194.0	-1,265.0	412,003.00	773,632.00	32° 7′ 49.623 N	103° 34' 58.484 W
FTP(Green Drake 16 Fe - plan hits target ce - Point		0.00	10,806.2	144.0	-1,265.0	411,953.00	773,632.00	32° 7' 49.129 N	103° 34' 58.488 W
Fed Perf 1(Green Drake - plan hits target ce - Point		0.00	11,071.0	-2,395.0	-1,249.0	409,414.00	773,648.00	32° 7' 24.003 N	103° 34' 58.508 W
PBHL(Green Drake 16 - plan hits target ce - Point		0.00	11,071.0	-7,577.0	-1,215.0	404,232.00	773,682.00	32° 6′ 32.723 N	103° 34' 58.532 W



1050-

1750

2100

2450

2800-

4900

6650

7000

7350

7700

8050-

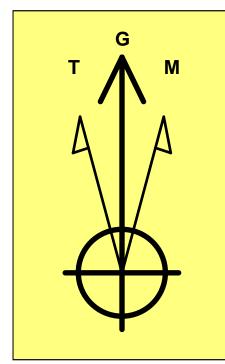
8400

9100

9450

9800-

Released to Imaging: 7/5/2023 8:14:14 AM



Azimuths to Grid North True North: -0.40° Magnetic North: 5.92°

Magnetic Field Strength: 47239.2nT Dip Angle: 59.75° Date: 5/11/2023 Model: IGRF2020

To convert a Magnetic Direction to a Grid Direction, Add 5.92°
To convert a Magnetic Direction to a True Direction, Add 6.32° East
To convert a True Direction to a Grid Direction, Subtract 0.40°

Lea County, NM (NAD 83 NME)

Green Drake 16 Fed Com #506H Plan #0.1 RT

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: #506H

3404.0

kb = 26' @ 3430.0usft Northing **Easting** 411809.00

Latittude 32° 7' 47.616 N Longitude 103° 34' 43.790 W 774897.00

							SECTIO	N DETAIL	S	
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	1300.0	0.00	0.00	1300.0	0.0	0.0	0.00	0.00	0.0	
3	1803.8	10.08	278.72	1801.2	6.7	-43.7	2.00	278.72	0.3	
4	8613.4	10.08	278.72	8505.8	187.3	-1221.3	0.00	0.00	8.4	
5	9117.2	0.00	0.00	9007.0	194.0	-1265.0	2.00	180.00	8.7	
6	10703.7	0.00	0.00	10593.5	194.0	-1265.0	0.00	0.00	8.7	KOP(Green Drake 16 Fed Com #506H)
7	10924.2	26.46	180.00	10806.2	144.0	-1265.0	12.00	180.00	58.1	FTP(Green Drake 16 Fed Com #506H)
8	11453.7	90.00	179.62	11070.9	-283.4	-1263.0	12.00	-0.43	479.8	
9	13565.3	90.00	179.62	11071.0	-2395.0	-1249.0	0.00	0.00	2562.5	Fed Perf 1(Green Drake 16 Fed Com #506H)
10	18747.4	90.00	179.63	11071.0	-7577.0	-1215.0	0.00	73.02	7673.8	PBHL(Green Drake 16 Fed Com #506H)

CASING DETAILS No casing data is available

WELLBORE TAR	RGET DETAILS	MAP CO-OR	DINATES)			
Name	TVD	+N/-S	+E/-W	Northing	Easting	
KOP(Green Drake 16 Fed Com #506H)	10593.5	194.0	-1265.0	412003.00	773632.00	
FTP(Green Drake 16 Fed Com #506H)	10806.2	144.0	-1265.0	411953.00	773632.00	
Fed Perf 1(Green Drake 16 Fed Com #506H)	11071.0	-2395.0	-1249.0	409414.00	773648.00	
PBHL(Green Drake 16 Fed Com #506H)	11071.0	-7577.0	-1215.0	404232.00	773682.00	

West(-)/East(+) 300--1200 -2100 -2400 -2700 -3300 -4500 -5100 -6300 -6600 -6900 -7200 -7500 West(-)/East(+)

10150 10500 10850 11200 2450 3150

Vertical Section at 189.11°

Lea County, NM (NAD 83 NME) Green Drake 16 Fed Com Plan #0.1 RT 14:13, May 11 2023



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.



2/24/2022

- 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.
 - b. 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.

Page | 3



2/24/2022

- 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

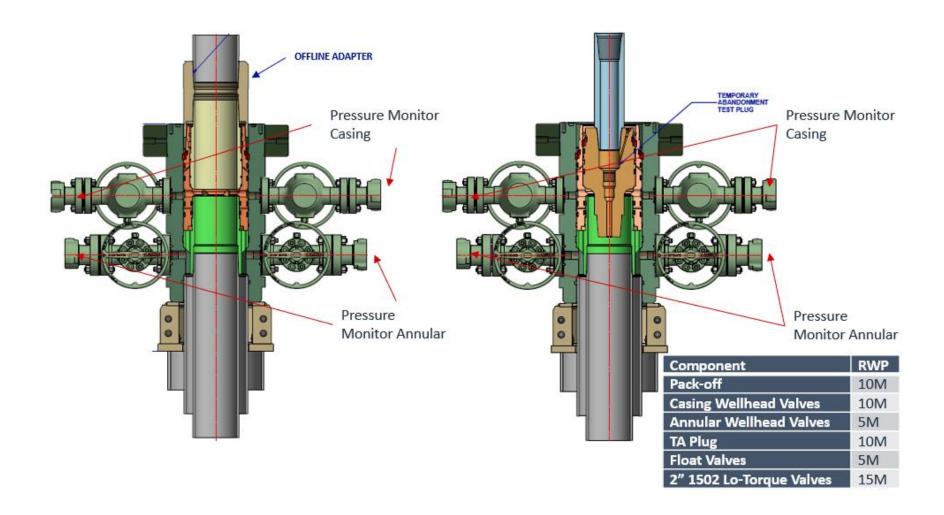
- 1. Sound alarm (alert crew).
- 2. Shut down pumps.
- 3. Shut-in Well (close valves to rig pits and open valve to rig choke line. Rig choke will already be in the closed position).
- 4. Confirm shut-in.
- 5. Notify tool pusher/company representative.
- 6. Open rig choke and begin pumping again taking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

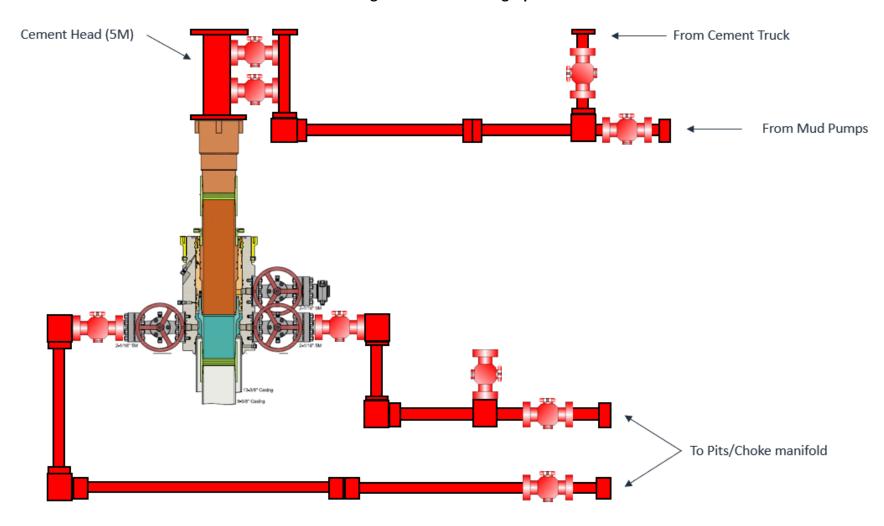


Page | 6



2/24/2022

Figure 3: Back Yard Rig Up



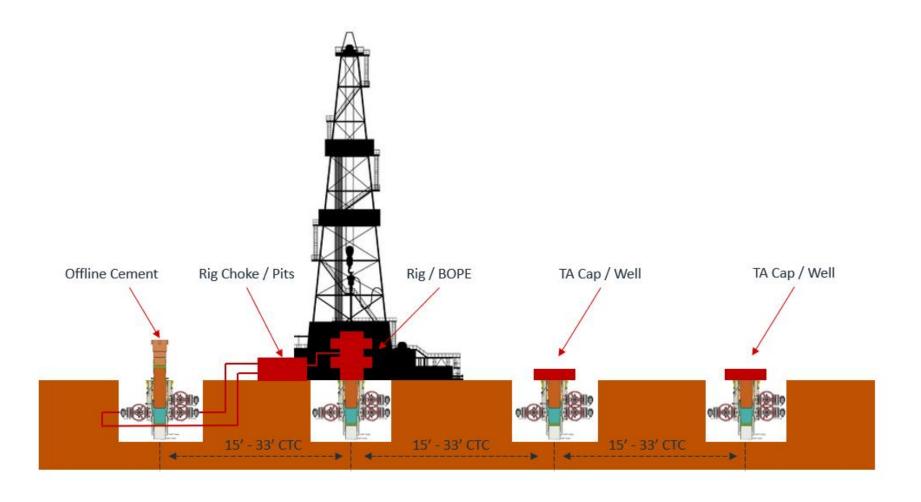
*** All Lines 10M rated working pressure

Page | 7



2/24/2022

Figure 4: Rig Placement Diagram



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Salt Section Annular Clearance Variance Request

Daniel Moose

Current Design (Salt Strings)

0.422" Annular clearance requirement

- Casing collars shall have a minimum clearance of 0.422 inches on all sides in the hole/casing annulus, with recognition that variances can be granted for justified exceptions.
- 12.25" Hole x 9.625"40# J55/HCK55 LTC Casing
 - 1.3125" Clearance to casing OD
 - 0.8125" Clearance to coupling OD
- 9.875" Hole x 8.75" 38.5# P110 Sprint-SF Casing
 - 0.5625" Clearance to casing OD
 - 0.433" Clearance to coupling OD

Annular Clearance Variance Request

EOG request permission to allow deviation from the 0.422" annulus clearance requirement for the intermediate (salt) section from Onshore Order #2 under the following conditions:

- The variance is not applicable within the Potash Boundaries or Capitan Reef areas.
- Operator takes responsibility to get casing to set point in the event that the clearance causes stuck pipe issues

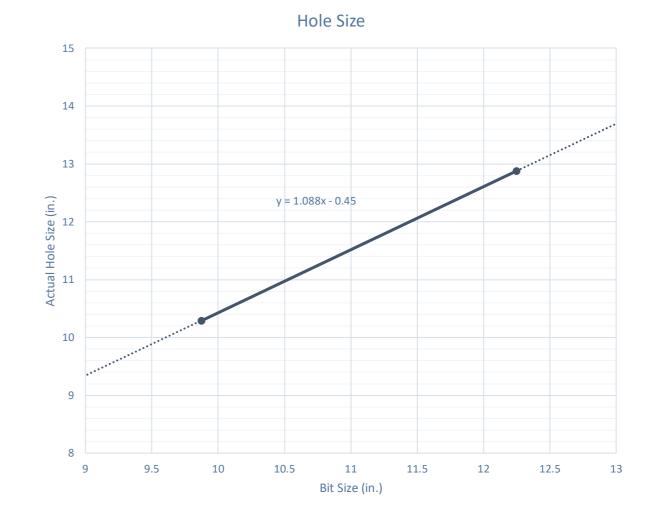
Volumetric Hole Size Calculation

Hole Size Calculations Off Cement Volumes

- Known volume of cement pumped
- Known volume of cement returned to surface
- Must not have had any losses
- Must have bumped plug

Average Hole Size

- 12.25" Hole
 - 12.88" Hole
 - 5.13% diameter increase
 - 10.52% area increase
 - 0.63" Average enlargement
 - 0.58" Median enlargement
 - 179 Well Count
- 9.875" Hole
 - 10.30" Hole
 - 4.24% diameter increase
 - 9.64% area increase
 - 0.42" Average enlargement
 - 0.46" Median enlargement
 - 11 Well Count

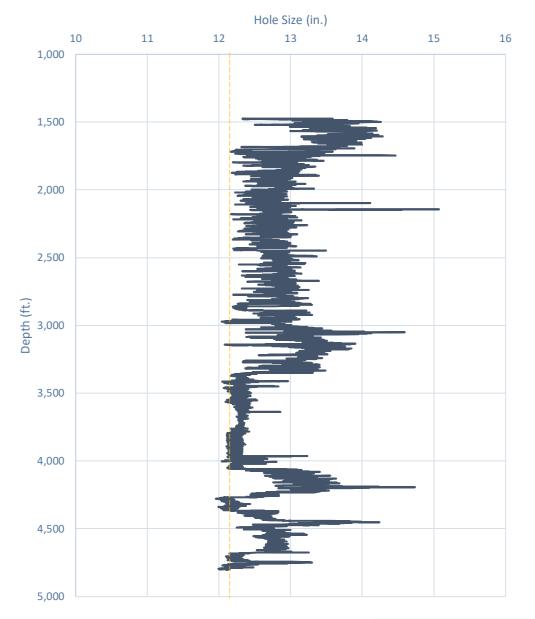


Modelo 10 Fed Com #501H

Caliper Hole Size (12.25")

Average Hole Size

- 12.25" Bit
 - 12.76" Hole
 - 4.14% diameter increase
 - 8.44% area increase
 - 0.51" Average enlargement
 - 0.52" Median enlargement
 - Brine

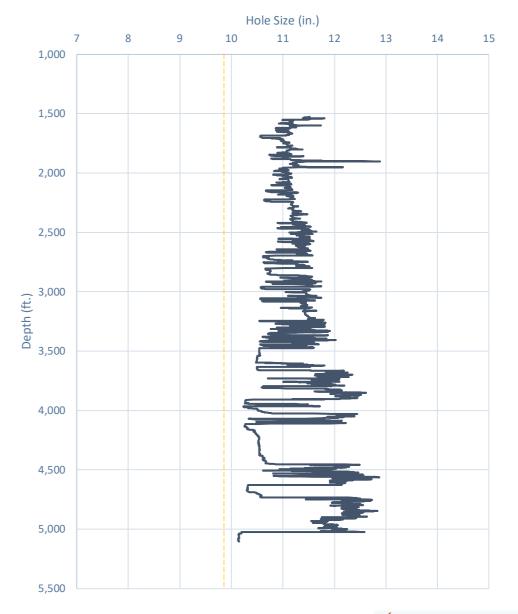


Caliper Hole Size (9.875")

Average Hole Size

- 9.875" Hole
 - 11.21" Hole
 - 13.54% diameter increase
 - 28.92% area increase
 - 1.33" Average enlargement
 - 1.30" Median enlargement
 - EnerLite

Whirling Wind 11 Fed Com #744H



Design A

Proposed 11" Hole with 9.625" 40# J55/HCK55 LTC Casing

- 11" Bit + 0.52" Average hole enlargement = 11.52" Hole Size
 - 0.9475" Clearance to casing OD

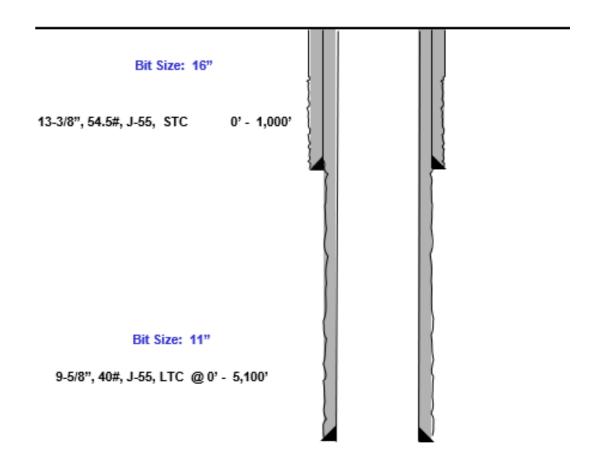
$$=\frac{11.52-9.625}{2}$$

• 0.4475" Clearance to coupling OD

$$=\frac{11.52-10.625}{2}$$

- Previous Shoe 13.375" 54.5# J55 STC
 - 0.995" Clearance to coupling OD (~1,200' overlap)

$$=\frac{12.615-10.625}{^{2}}$$



Design B

Proposed 9.875" Hole with 8.625" 32# J55/P110 BTC-SC Casing

- 9.875" Bit + 0.42" Average hole enlargement = 10.295" Hole Size
 - 0.835" Clearance to casing OD

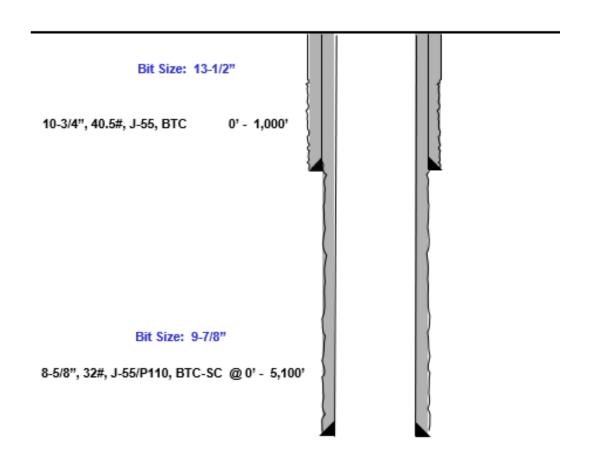
$$=\frac{10.295-8.625}{2}$$

• 0.585" Clearance to coupling OD

$$=\frac{10.295-9.125}{2}$$

- Previous Shoe 10.75" 40.5# J55 STC
 - 0.4625" Clearance to coupling OD (~1,200' overlap)

$$=\frac{10.05-9.125}{2}$$



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Casing Spec Sheets

PERFORMANCE DATA

API LTC 9.625 in 40.00 lbs/ft K55 HC **Technical Data Sheet**

Tubular Parameters					
Size	9.625	in	Minimum Yield	55	ksi
Nominal Weight	40.00	lbs/ft	Minimum Tensile	95	ksi
Grade	K55 HC		Yield Load	629	kips
PE Weight	38.94	lbs/ft	Tensile Load	1088	kips
Wall Thickness	0.395	in	Min. Internal Yield Pressure	3,950	psi
Nominal ID	8.835	in	Collapse Pressure	3600	psi
Drift Diameter	8.750	in		1	1

Connection Parameters		
Connection OD	10.625	in
Coupling Length	10.500	in
Threads Per Inch	8	tpi
Standoff Thread Turns	3.50	turns
Make-Up Loss	4.750	in
Min. Internal Yield Pressure	3,950	psi

11.454

Pipe Body and API Connections Performance Data

13.375 54.50/0.380 J55 PDF

New Search »



6/8/2015 10:04:37 AM					
Mechanical Properties	Ptpe	втс	LTC	STC	
Minimum Yield Strength	55,000	-	-	-	psi
Maximum Yield Strength	80,000	-	-	-	psi
Minimum Tensile Strength	75,000	-	-	-	psi
Dimensions	Ptpe	втс	LTC	STC	
Outside Diameter	13.375	14.375	-	14.375	in.
Wall Thickness	0.380	-	-	-	in.
Inside Diameter	12.615	12.615	-	12.615	in.
Standard Drift	12.459	12.459	-	12.459	in.
Alternate Drift	-	-	-	-	in.
Nominal Linear Weight, T&C	54.50	-	-	-	lbs/ft
Plain End Weight	52.79	-	-	-	lbs/ft
Performance	Ptpe	втс	LTC	STC	
Minimum Collapse Pressure	1,130	1,130	-	1,130	psi
Minimum Internal Yield Pressure	2,740	2,740	-	2,740	psi
Minimum Pipe Body Yield Strength	853.00	-	-	-	1000 lbs
Joint Strength	-	909	-	514	1000 lbs
Reference Length	-	11,125	-	6,290	ft
Make-Up Data	Ptpe	втс	LTC	STC	
Make-Up Loss	-	4.81	-	3.50	in.
Minimum Make-Up Torque	-	-	-	3,860	ft-lbs
Maximum Make-Up Torque	-	-	_	6,430	ft-lbs

Nom. Pipe Body Area

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5,250

ft-lbs

Casing Spec Sheets

Pipe Body and API Connections Performance Data

10.750 40.50/0.350 J55 PDF

New Search » « Back to Previous List USC Metric 6/8/2015 10:14:05 AM BTC STC Ptpe Mechanical Properties Minimum Yield Strength 55,000 psi Maximum Yield Strength 80,000 Minimum Tensile Strength 75,000 psi BTC LTC STC Pipe 11.750 Outside Diameter 10.750 11.750 in. Wall Thickness 0.350 Inside Diameter 10.050 10.050 10.050 Standard Drift 9.894 9.894 in. Alternate Drift in. Nominal Linear Weight, T&C 40.50 lbs/ft Plain End Weight 38.91 lbs/ft Performance Ptpe BTC STC Minimum Collapse Pressure psi Minimum Internal Yield Pressure 3,130 3,130 3.130 Minimum Pipe Body Yield Strength 629.00 1000 lbs 700 420 Joint Strength 1000 lbs Reference Length 11,522 6,915 Make-Up Data BTC STC Ptpe 4.81 Make-Up Loss 3.50 in. Minimum Make-Up Torque 3,150 ft-lbs

	vallourec											
		API 5CT, 10th Ed. Connection Data Sheet										
A FT LB	O.D. (in) 8.625	WEIGHT (Nominal: Plain End:	lb/ft) 32.00 31.13	WALL (i 0.352	n)		ADE 55	* API DR I 7.79	` '	RBV 87		
MADE IN USA	Material Properties (PE)					Pipe Body Data (PE)						
NDE	Pipe					Geometry						
W/O# SLN # PO#	Minimum Yie	eld Strength:	55	ksi		Nomir	nal ID:			7.92 i	inch	
	Maximum Yield Strength:		80	ksi		Nominal Area:				9.149 in ²		
	Minimum Te	: 75	ksi		*Special/Alt. Drift:				7.875 inch			
	Coupling					Performance						
	Minimum Yie	•	55	ksi		Pipe Body Yield Strength:			ıth:	503 kips		
	Maximum Yi	80	80 ksi		Collapse Resistance:				2,530 psi			
DA 7.875	Minimum Te	: 75	75 ksi			Internal Yield Pressure: (API Historical)				3,930 psi		
S2L2 DA	API Connection Data						Δ.	Pl Commo	otion To			
S S2	Coupling OD: 9.625"				API Connection Torque							
J55 S	CTC Interne	STC Perform		ai		* Aim:		STC Tord	• •		4 655	
32# 〕	- 1 - 1111-1111	l Pressure:	3,930			Min:	2,793	Opti:	3,724	Max:	4,655	
	STC Joint Strength: 372 kips LTC Performance			kips	LTC Torque (ft-lbs)							
8.625	LTC Internal Pressure: 3,930 psi			nei		. ,			4,174	,		
TAR			,			IVIIII.	3,130	Opti.	4,174	IVIAX.	3,217	
VALLOUREC STAR	LTC Joint Strength: 417 kips SC-BTC Performance - Cplg OD = 9,125"											
OUR						BTC Torque (ft-lbs)						
ALLO	BTC Internal Pressure:		,	,930 psi		follow API guidelines regarding positi				sitional ma	ike up	
>	BTC Joint St	trength:		kips								
		bove API connects	C OR ITS AFFILIATES	suit your ne 100% of p	eed: oipe	S, VAM® body ra	D premiu atings.	m connectio	INJURY RESULT			

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Maximum Make-Up Torque

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

CONDITIONS

Action 219321

CONDITIONS

Operator:	OGRID:
EOG RESOURCES INC	7377
P.O. Box 2267	Action Number:
Midland, TX 79702	219321
	Action Type:
	[C-103] NOI Change of Plans (C-103A)

CONDITIONS

Created By		Condition Date
pkautz	None	7/5/2023