NMOCD Rec'd: 10/14/2020

Form 3160-5
(June 2015)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB NO. 1004-0137
Expires: January 31, 2018

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE - Other instructions on page 2

5. Lease Serial No.
NMNM138865

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

1. Type of Well
☒ Oil Well ☐ Gas Well ☐ Other

8. Well Name and No.
BOROS FEDERAL 243H

2. Name of Operator
MATADOR PRODUCTION COMPANY

Contact: NICKY FITZGERALD
E-Mail: nicky.fitzgerald@matadorresources.com

9. API Well No.
30-015-46853-00-X1

Purple Sage;Wolfcamp

3a. Address
ONE LINCOLN CENTER 5400 LBJ FREEWAY SUITE 1500
DALLAS, TX 75240

3b. Phone No. (include area code)
972-371-5448

10. Field and Pool or Exploratory Area
~~PIERCE CROSSING-WOLFCAMP, NW~~

4. Location of Well *(Footage, Sec., T., R., M., or Survey Description)*
Sec 15 T26S R31E NWNE 400FNL 2214FEL
32.049038 N Lat, 103.764565 W Lon

11. County or Parish, State
EDDY COUNTY, NM

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
☒ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
☐ Subsequent Report	☐ Alter Casing	☐ Hydraulic Fracturing	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☒ Other Change to Original APD
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	
	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal	

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.

BLM Bond No. NMB001079
Surety Bond No. RLB0015172

Please see the attached C102 to revise the SHL of Matador's Boros Federal 243H (30-015-46853) well from 400' FNL and 2214' FEL of Sec. 15 T26S R31E to 430' FNL and 2203' FEL of Sec. 15 T26S R31E. This proposed SHL move lies within the approved well pad location footprint covered in Environmental Assessment DOI-BLM-NM-P020-2020-0098-EA.

Also, Matador respectfully requests the option to amend the casing, cementing and mud program.

Please find supporting documentation attached and contact Blake Hermes at 972-371-5485 or BHermes@matadorresources.com for any questions.

Surface good Same col's 10-7-20 SR

APPROVED BY RACHEL IJABIKEN. REVIEW ADDITIONAL ENGINEERING COA.

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

Electronic Submission #526666 verified by the BLM Well Information System
For MATADOR PRODUCTION COMPANY, sent to the Carlsbad
Committed to AFMSS for processing by JUANA MEDRANO on 08/21/2020 (20JM0102SE)

Name *(Printed/Typed)* NICKY FITZGERALD — Title REGULATORY ANALYST

Signature (Electronic Submission) — Date 08/20/2020

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By Cody Shaffer — Title AFM-L&M — Date 10/09/2020

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office CFO

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

(Instructions on page 2)

**** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ****

KP 10/27/2020 GEO Review

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

[1]API Number	[2]Pool Code	[3]Pool Name
30-015-46853	98220	PURPLE SAGE;WOLFCAMP (GAS)

[4]Property Code	[5]Property Name	[6]Well Number
	BOROS FEDERAL	243H

[7]OGRID No.	[8]Operator Name	[9]Elevation
228937	MATADOR PRODUCTION COMPANY	3224'

[10]Surface Location

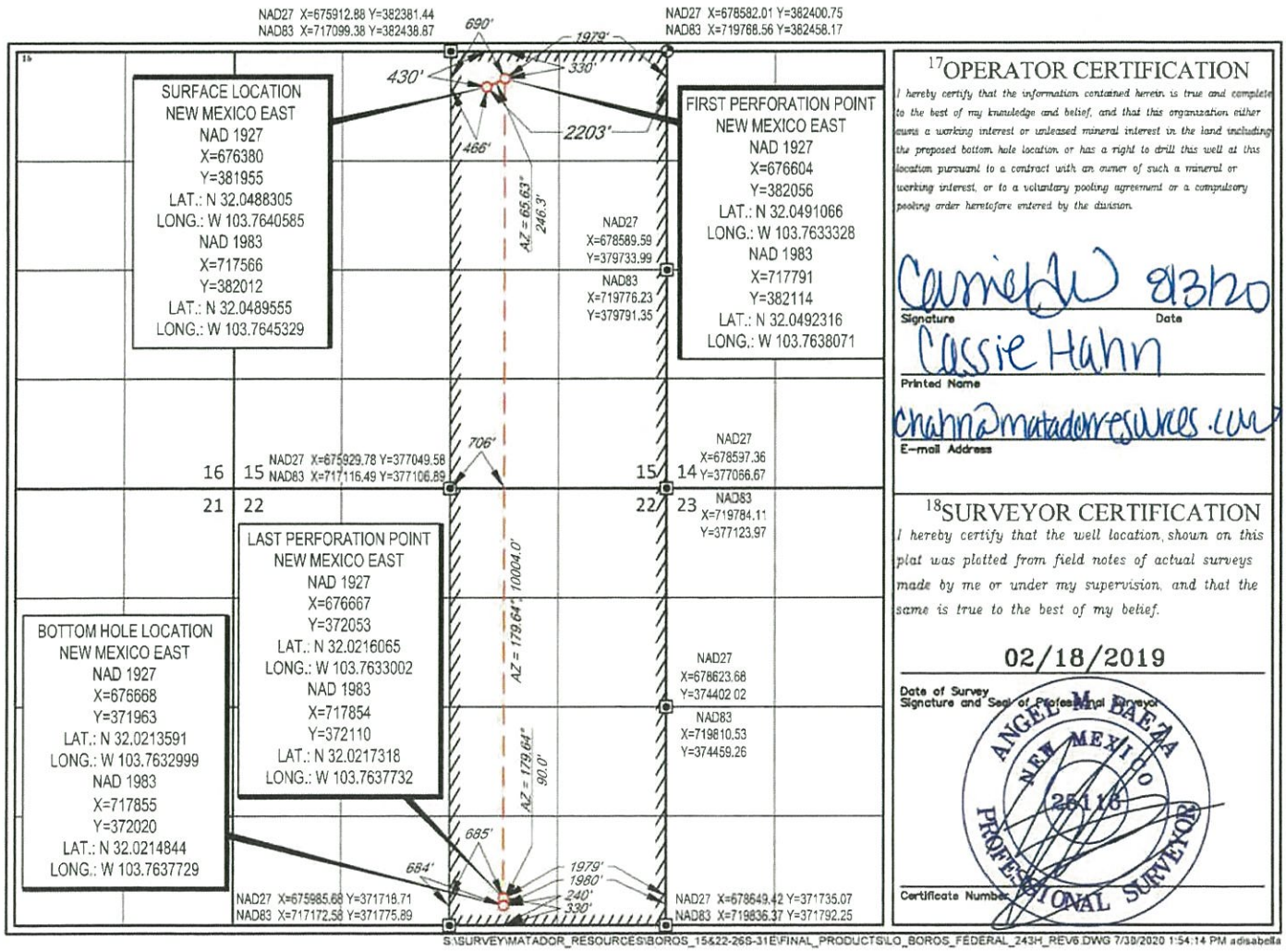
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
B	15	26-S	31-E	-	430'	NORTH	2203'	EAST	EDDY

[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
O	22	26-S	31-E	-	240'	SOUTH	1980'	EAST	EDDY

[12]Dedicated Acres	[13]Joint or Infill	[14]Consolidation Code	[15]Order No.
640			

No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.



[17]OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Signature 8/3/20 Date

Cassie Hahn
Printed Name

chahn@matadorresources.com
E-mail Address

[18]SURVEYOR CERTIFICATION

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

02/18/2019
Date of Survey
Signature and Seal of Professional Surveyor

ANGEL M. BAEZA NEW MEXICO 25116 PROFESSIONAL SURVEYOR

Certificate Number

S:\SURVEY\MATADOR_RESOURCES\BOROS_15&22-26S-31E\FINAL_PRODUCTS\LO_BOROS_FEDERAL_243H_REV6.DWG 7/30/2020 1:54:14 PM adisabella

Revisions to Operator-Submitted EC Data for Sundry Notice #526666

	Operator Submitted	BLM Revised (AFMSS)
Sundry Type:	APDCH NOI	APDCH NOI
Lease:	NMNM138865	NMNM138865
Agreement:		
Operator:	MATADOR PRODUCTION COMPANY 5400 LBJ FREEWAY, SUITE 1500 DALLAS, TX 75240 Ph: 972-371-5448	MATADOR PRODUCTION COMPANY ONE LINCOLN CENTER 5400 LBJ FREEWAY SUITE 1500 DALLAS, TX 75240 Ph: 972.371.5200
Admin Contact:	NICKY FITZGERALD REGULATORY ANALYST E-Mail: nicky.fitzgerald@matadorresources.com Ph: 972-371-5448	NICKY FITZGERALD REGULATORY ANALYST E-Mail: nicky.fitzgerald@matadorresources.com Ph: 972-371-5448
Tech Contact:	NICKY FITZGERALD REGULATORY ANALYST E-Mail: nicky.fitzgerald@matadorresources.com Ph: 972-371-5448	NICKY FITZGERALD REGULATORY ANALYST E-Mail: nicky.fitzgerald@matadorresources.com Ph: 972-371-5448
Location: State: County:	 NM EDDY	 NM EDDY
Field/Pool:	PURPLE SAGE;WOLFCAMP(GAS)	PIERCE CROSSING-WOLFCAMP, NW
Well/Facility:	BOROS FEDERAL 243H Sec 15 T26S R31E 400FNL 2214FEL	BOROS FEDERAL 243H Sec 15 T26S R31E NWNE 400FNL 2214FEL 32.049038 N Lat, 103.764565 W Lon

Boros Federal 243H SUNDRY

13 3/8 surface csg in a 17 1/2 inch hole. **Design Factors** Surface

Segment	#/ft	Grade	Coupling	Body	Collapse	Burst	Length	B@s	a-B	a-C	Weight
"A"	54.50	J 55	BTC	11.34	1.79	0.59	1,381	5	1.07	3.45	75,265
w/8.4#/g mud, 30min Sfc Csg Test psig: 1,308			Tail Cmt	does not	circ to sfc.	Totals:	1,381				75,265

Comparison of Proposed to Minimum Required Cement Volumes

Hole Size	Annular Volume	1 Stage Cmt Sx	1 Stage CuFt Cmt	Min Cu Ft	1 Stage % Excess	Drilling Mud Wt	Calc MASP	Req'd BOPE	Min Dist Hole-Cplg
17 1/2	0.6946	890	1463	959	52	8.80	2549	3M	1.56

Class 'C' tail cmt yield above 1.35.

Burst Frac Gradient(s) for Segment(s) A, B = , b All > 0.70, OK.

7 5/8 casing inside the 13 3/8 **Design Factors** Int 1

Segment	#/ft	Grade	Coupling	Body	Collapse	Burst	Length	B@s	a-B	a-C	Weight
"A"	29.70	P 110	BTC	3.33	1.15	0.98	9,500	2	1.43	2.10	282,150
"B"	**29.70**	**P 110**	VAM HTF-NR	∞	**1.59**	**1.12**	**2,100**	**2**	**1.63**	2.89	**62,370**
w/8.4#/g mud, 30min Sfc Csg Test psig:						Totals:	11,600				344,520

The cement volume(s) are intended to achieve a top of 0 ft from surface or a 1381 overlap.

Hole Size	Annular Volume	1 Stage Cmt Sx	1 Stage CuFt Cmt	Min Cu Ft	1 Stage % Excess	Drilling Mud Wt	Calc MASP	Req'd BOPE	Min Dist Hole-Cplg
9 7/8	0.2148	980	3362	2955	14	9.40	6605	10M	0.69

Class 'H' tail cmt yld > 1.20 MASP is within 10% of 5000psig, need exrta equip?

Burst Frac Gradient(s) for Segment(s): A, B, C, D = 1, b, c, d All > 0.70, OK. Excess Cement may be needed.

Tail cmt

5 1/2 casing inside the 7 5/8 **Design Factors** Prod 1

Segment	#/ft	Grade	Coupling	Body	Collapse	Burst	Length	B@s	a-B	a-C	Weight
"A"	20.00	P 110	TLW	2.06	1.28	1.49	23,895	1	2.17	1.97	477,900
w/8.4#/g mud, 30min Sfc Csg Test psig: 3,019						Totals:	23,895				477,900

The cement volume(s) are intended to achieve a top of 11400 ft from surface or a 200 overlap.

Hole Size	Annular Volume	1 Stage Cmt Sx	1 Stage CuFt Cmt	Min Cu Ft	1 Stage % Excess	Drilling Mud Wt	Calc MASP	Req'd BOPE	Min Dist Hole-Cplg
6 3/4	0.0835	970	1157	1045	11	13.50			0.44

Class 'C' tail cmt yld > 1.35

Excess Cement may be needed.

PECOS DISTRICT
DRILLING CONDITIONS OF APPROVAL

OPERATOR'S NAME:	**MATADOR PRODUCTION COMPANY**
LEASE NO.:	**NMNM138865**
WELL NAME & NO.:	BOROS FEDERAL 243H
SURFACE HOLE FOOTAGE:	430'/N & 2203'/E
BOTTOM HOLE FOOTAGE	240'/S & 1980'/E
LOCATION:	Section 15, T.26 S., R.31 E., NMPM
COUNTY:	Eddy County, New Mexico

COA

H2S	○ Yes	◉ No	
Potash	◉ None	○ Secretary	○ R-111-P
Cave/Karst Potential	○ Low	◉ Medium	○ High
Cave/Karst Potential	○ Critical		
Variance	○ None	◉ Flex Hose	○ Other
Wellhead	○ Conventional	◉ Multibowl	○ Both
Other	☐ 4 String Area	☐ Capitan Reef	☐ WIPP
Other	☐ Fluid Filled	☑ Cement Squeeze	☐ Pilot Hole
Special Requirements	☐ Water Disposal	☐ COM	☐ Unit

ALL PREVIOUS COAs still apply.

A. CASING

1. The **13-3/8** inch surface casing shall be set at approximately **1381 feet** (a minimum of 70 feet (Eddy County) into the Rustler Anhydrite and above the salt) and cemented to the surface.

    a. If cement does not circulate to the surface, the appropriate BLM office shall be notified and a temperature survey utilizing an electronic type temperature survey with surface log readout will be used or a cement bond log shall be run to verify the top of the cement. Temperature survey will be run a minimum of six hours after pumping cement and ideally between 8-10 hours after completing the cement job.
    b. Wait on cement (WOC) time for a primary cement job will be a minimum of **8 hours** or 500 pounds compressive strength, whichever is greater. (This is to include the lead cement)
    c. Wait on cement (WOC) time for a remedial job will be a minimum of 4 hours after bringing cement to surface or 500 pounds compressive strength, whichever is greater.
    d. If cement falls back, remedial cementing will be done prior to drilling out that

string.

2. The **7-5/8** Intermediate casing shall be set at **11600 feet** . The minimum required fill of cement behind the **7-5/8** inch intermediate casing is:

   Multi-Stage Option :

   Operator has proposed a DV tool, the depth may be adjusted as long as the cement is changed proportionally. The DV tool may be cancelled if cement circulates to surface on the first stage.

   - First stage to DV tool: Cement to circulate. If cement does not circulate off the DV tool, contact the appropriate BLM office before proceeding with second stage cement job.
   - Second stage above DV tool:
     - Cement to surface. If cement does not circulate, contact the appropriate BLM office.
       Wait on cement (WOC) time for a primary cement job is to include the lead cement slurry due to cave/karst or potash.
   - Excess Cement calculates to less than 25% ; More cement may be needed.
   - Operator will perform bradenhead squeeze. Cement to surface. If cement does not circulate see B.1.a, c-d above.
   - **Operator has proposed to pump down 13-3/8" X 7-5/8" annulus. Operator must run a CBL from TD of the** 7-5/8**" casing to surface. Submit results to BLM.**

   ❖ In **Medium Cave/Karst Areas** if cement does not circulate to surface on the first two casing strings, the cement on the 3rd casing string must come to surface.

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

   Option 1 (Single Stage):

   - Cement should tie-back at least **200 feet** into previous casing string. Operator shall provide method of verification.
   - Excess Cement calculates to less than 25% ; More cement may be needed.

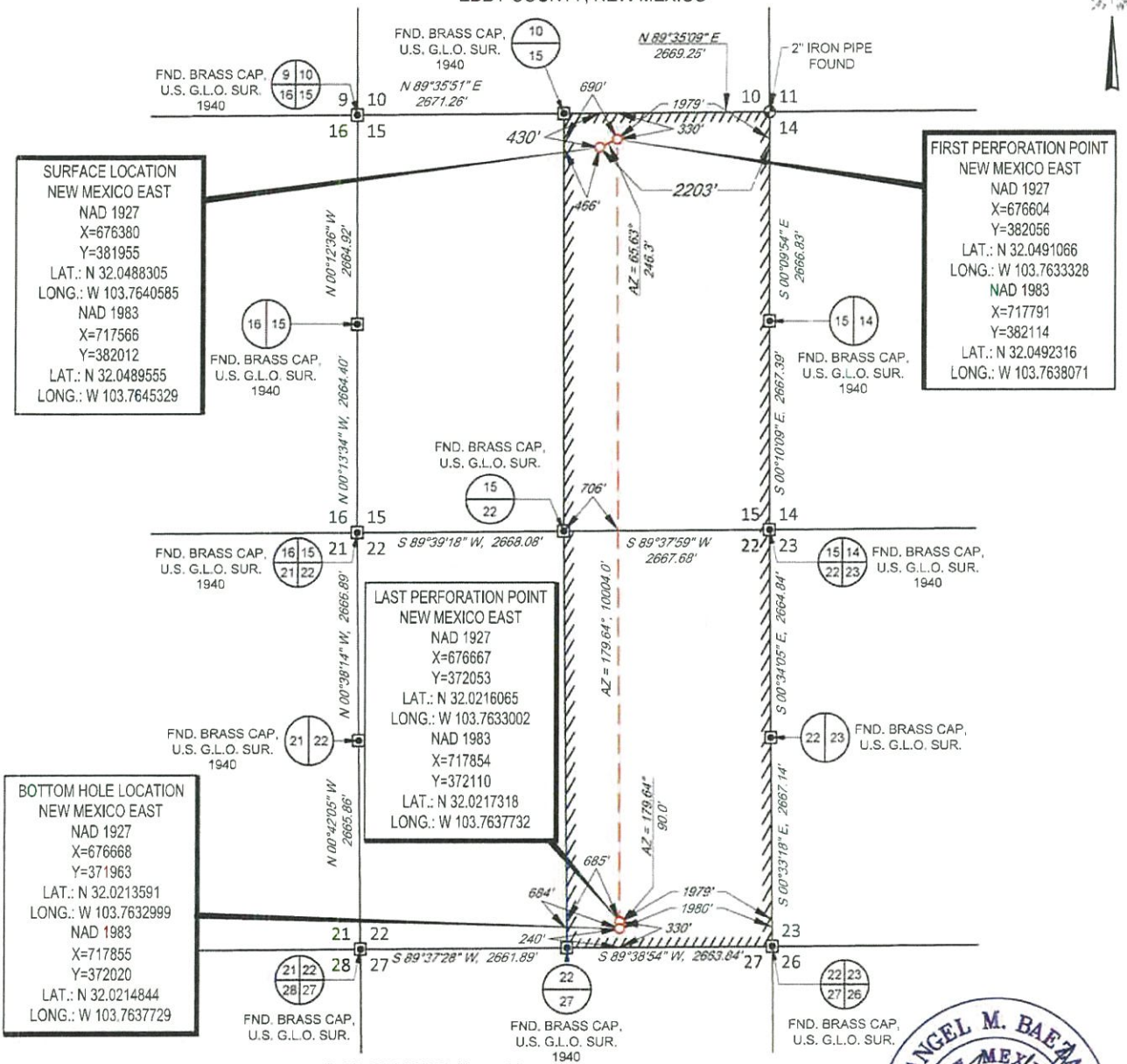
RI09182020

SCALE: 1" = 2000'

0' 1000' 2000'

Matador PRODUCTION COMPANY

SECTION 15, TOWNSHIP 26-S, RANGE 31-E, N.M.P.M.
EDDY COUNTY, NEW MEXICO



SURFACE LOCATION
NEW MEXICO EAST
NAD 1927
X=676380
Y=381955
LAT.: N 32.0488305
LONG.: W 103.7640585
NAD 1983
X=717566
Y=382012
LAT.: N 32.0489555
LONG.: W 103.7645329

FIRST PERFORATION POINT
NEW MEXICO EAST
NAD 1927
X=676604
Y=382056
LAT.: N 32.0491066
LONG.: W 103.7633328
NAD 1983
X=717791
Y=382114
LAT.: N 32.0492316
LONG.: W 103.7638071

LAST PERFORATION POINT
NEW MEXICO EAST
NAD 1927
X=676667
Y=372053
LAT.: N 32.0216065
LONG.: W 103.7633002
NAD 1983
X=717854
Y=372110
LAT.: N 32.0217318
LONG.: W 103.7637732

BOTTOM HOLE LOCATION
NEW MEXICO EAST
NAD 1927
X=676668
Y=371963
LAT.: N 32.0213591
LONG.: W 103.7632999
NAD 1983
X=717855
Y=372020
LAT.: N 32.0214844
LONG.: W 103.7637729

LEASE NAME & WELL NO.: BOROS FEDERAL 243H

SECTION 15 TWP 26-S RGE 31-E SURVEY N.M.P.M.

COUNTY EDDY STATE NM

DESCRIPTION 430' FNL & 2203' FEL

DISTANCE & DIRECTION

FROM INT. OF NM128. & J-1/ORLA RD., GO SOUTH ON J-1/ORLA RD. ±10.5 MILES,THENCE WEST (RIGHT) ON PIPELINE RD ±5.2 MILES, THENCE SOUTH (LEFT) ON PROPOSED RD. ±1.0 MILE, THENCE WEST (RIGHT) ON PROPOSED RD. ±299 FEET, TO A POINT ±286 FEET NORTHEAST OF THE LOCATION.

ALL BEARINGS, DISTANCES, AND COORDINATE VALUES CONTAINED HEREON ARE GRID BASED UPON THE NEW MEXICO COORDINATE SYSTEM OF 1983, EAST ZONE, U.S. SURVEY FEET

THIS EASEMENT/SERVITUDE LOCATION SHOWN HEREON HAS BEEN SURVEYED ON THE GROUND UNDER MY SUPERVISION AND PREPARED ACCORDING TO THE EVIDENCE FOUND AT THE TIME OF SURVEY, AND DATA PROVIDED BY MATADOR PRODUCTION COMPANY. THIS CERTIFICATION IS MADE AND LIMITED TO THOSE PERSONS OR ENTITIES SHOWN ON THE FACE OF THIS PLAT AND IS NON-TRANSFERABLE. THIS SURVEY IS CERTIFIED FOR THIS TRANSACTION ONLY.

AS OF THE DATE OF SURVEY, ALL ABOVE GROUND APPURTENANCES WITHIN 300' OF THE STAKED LOCATION ARE SHOWN HEREON.

ANGEL M. BAEZA NEW MEXICO 25116 PROFESSIONAL SURVEYOR

Angel M. Baeza, P.S. No. 25116

TOPOGRAPHIC
LOYALTY INNOVATION LEGACY
1400 EVERMAN PARKWAY, Ste. 145 • FT. WORTH, TEXAS 76140
TELEPHONE: (817) 744-7512 • FAX (817) 744-7554
2903 NORTH BIG SPRING • MIDLAND, TEXAS 79705
TELEPHONE: (432) 682-1653 OR (800) 767-1653 • FAX (432) 682-1743
WWW.TOPOGRAPHIC.COM

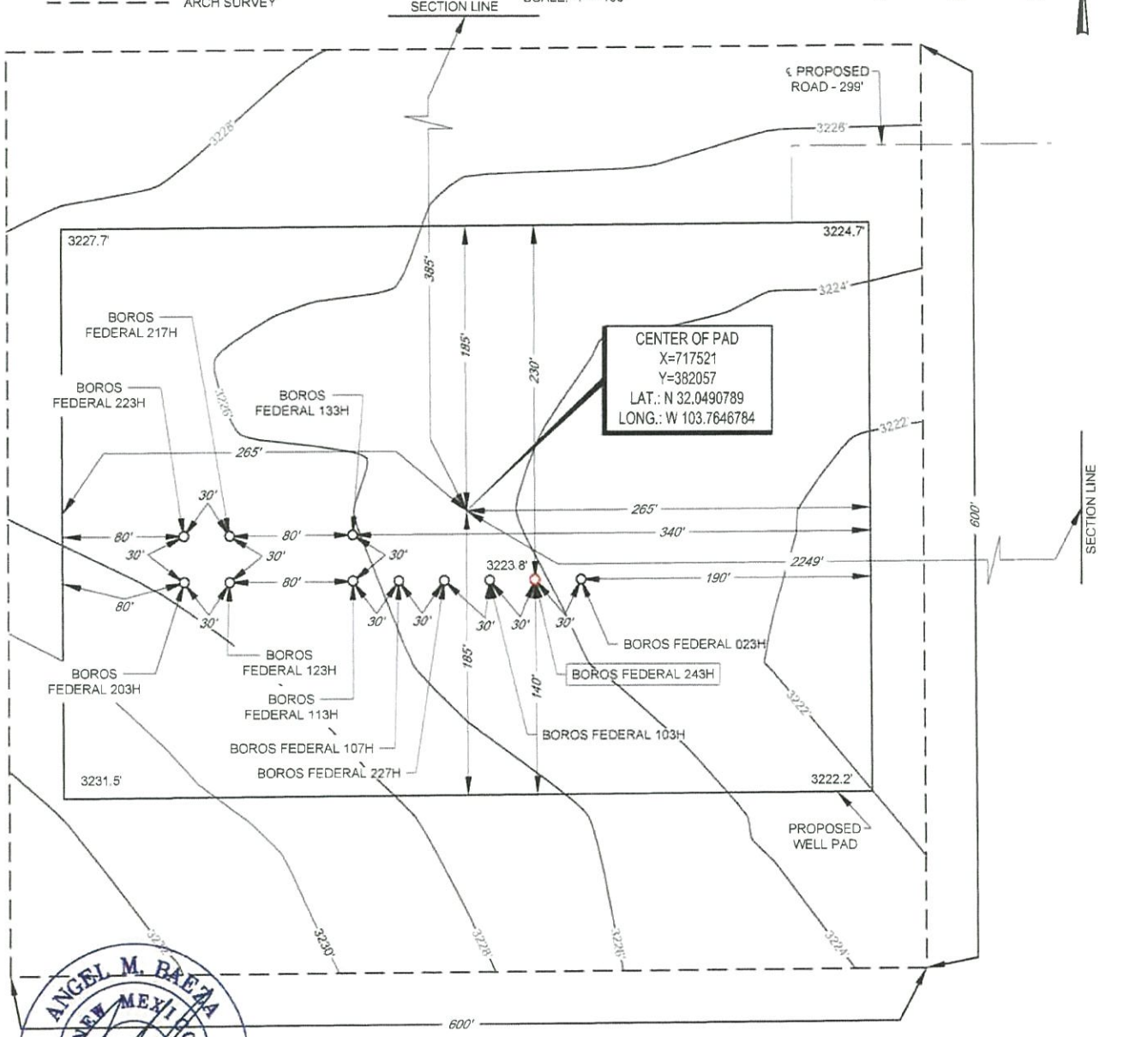
Matador PRODUCTION COMPANY

SECTION 15, TOWNSHIP 26-S, RANGE 31-E, N.M.P.M.
EDDY COUNTY, NEW MEXICO

DETAIL VIEW
SCALE: 1" = 100'

SCALE: 1" = 100'
0' 50' 100'

LEGEND
SECTION LINE
PROPOSED ROAD
ARCH SURVEY



ANGEL M. BAEZA
NEW MEXICO
25116
PROFESSIONAL SURVEYOR

Angel M. Baeza, P.S. No. 25116

LEASE NAME & WELL NO.: BOROS FEDERAL 243H

243H LATITUDE N 32.0489555 243H LONGITUDE W 103.7645329

CENTER OF PAD IS 385' FNL & 2249' FEL

ALL BEARINGS, DISTANCES, AND COORDINATE VALUES CONTAINED HEREON ARE GRID BASED UPON THE NEW MEXICO COORDINATE SYSTEM OF 1983, EAST ZONE, U.S. SURVEY FEET. ELEVATIONS USED ARE NAVD88, OBTAINED THROUGH AN OPUS SOLUTION.

THIS PROPOSED PAD SITE LOCATION SHOWN HEREON HAS BEEN SURVEYED ON THE GROUND UNDER MY SUPERVISION AND PREPARED ACCORDING TO THE EVIDENCE FOUND AT THE TIME OF SURVEY, AND DATA PROVIDED BY MATADOR PRODUCTION COMPANY. ONLY THE DATA SHOWN ABOVE IS BEING CERTIFIED TO, ALL OTHER INFORMATION WAS INTENTIONALLY OMITTED. THIS PLAT IS ONLY INTENDED TO BE USED FOR A PERMIT AND IS NOT A BOUNDARY SURVEY. THIS CERTIFICATION IS MADE AND LIMITED TO THOSE PERSONS OR ENTITIES SHOWN ON THE FACE OF THIS PLAT AND IS NON-TRANSFERABLE. THIS SURVEY IS CERTIFIED FOR THIS TRANSACTION ONLY.

ORIGINAL DOCUMENT SIZE: 8.5" X 11"

TOPOGRAPHIC
LOYALTY INNOVATION LEGACY
1400 EVERMAN PARKWAY, Ste. 146 • FT. WORTH, TEXAS 75140
TELEPHONE (817) 744-7512 • FAX (817) 744-7554
2903 NORTH BIG SPRING • MIDLAND, TEXAS 79705
TELEPHONE: (432) 682-1653 OR (800) 767-1653 • FAX (432) 682-1743
WWW.TOPOGRAPHIC.COM

Boros Federal #243H
SHL: 430' FNL & 2203' FEL Section 15
BHL: 240' FSL & 1980' FEL Section 22
Township/Range: 26S 31E
Elevation Above Sea Level: 3224

Drilling Operation Plan

Proposed Drilling Depth: 23895' MD / 13723' TVD

Type of well: Horizontal well, no pilot hole

Permitted Well Type: Oil

Geologic Name of Surface Formation: Quaternary Deposits

KOP Lat/Long (NAD83): 32.0499989888 N / -103.7635448380 W
TD Lat/Long (NAD83): 32.0214843168 N / -103.7637732419 W

1. Estimated Tops

Formation	MD (ft)	TVD (ft)	Thickness (ft)	Lithology	Resource
Rustler	1,356	1,356	132	Anhydrite	Barren
Salado (Top of Salt)	1,488	1,488	1,903	Salt	Barren
Lamar (Base of Salt)	4,097	4,097	29	Salt	Barren
Bell Canyon	4,126	4,126	1,053	Sandstone	Oil/Natural Gas
Cherry Canyon	5,179	5,179	1,206	Sandstone	Oil/Natural Gas
Brushy Canyon	6,385	6,385	1,683	Sandstone	Oil/Natural Gas
Bone Spring Lime	8,068	8,068	1,144	Limestone	Oil/Natural Gas
1st Bone Spring Sand	9,212	9,212	280	Sandstone	Oil/Natural Gas
2nd Bone Spring Carbonate	9,492	9,492	254	Carbonate	Oil/Natural Gas
2nd Bone Spring Sand	9,746	9,746	456	Sandstone	Oil/Natural Gas
3rd Bone Spring Carbonate	10,202	10,202	754	Carbonate	Oil/Natural Gas
3rd Bone Spring Sand	10,956	10,956	405	Sandstone	Oil/Natural Gas
Wolfcamp	11,361	11,361	-	Shale	Oil/Natural Gas
KOP	**13,192**	**13,150**	**-**	**Shale**	**Oil/Natural Gas**
TD	**23,895**	**13,723**	**-**	**Shale**	**Oil/Natural Gas**

2. Notable Zones

Wolfcamp is the goal. All perforations will be within the setback requirements as prescribed or permitted by the New Mexico Oil Conservation Division. OSE estimated ground water depth at this location is 230'

3. Pressure Control

Equipment
A 18,000' 10,000-psi BOP stack consisting of 3 rams with 2 pipe rams, 1 blind ram, and one annular preventer will be utilized below surface casing to TD. See attachments for BOP and choke manifold diagrams.

An accumulator complying with Onshore Order #2 requirements for the pressure rating of the BOP stack will be present. A rotating head will also be installed as needed.

Testing Procedure

BOP will be inspected and operated as required in Onshore Order #2. Kelly cock and sub equipped with a full opening valve sized to fit the drill pipe and collars will be available on the rig floor in the open position.

A third party company will test the BOPs.

After setting surface casing, a minimum 10M BOPE system will be installed. Test pressures will be 250 psi low and 10,000 psi high with the annular preventer being tested to 250 psi low and 5000 psi high before drilling below surface shoe. In the event that the rig drills multiple wells on the pad and any seal subject to test pressures are broken, a full BOP test will be performed when the rig returns and the 10M BOPE system is re-installed.

Variance Request
Matador requests a variance to have the option of running a multi-bowl wellhead assembly for setting the Intermediate 1, and Production Strings. The BOPs will not be tested again unless any flanges are separated.

Matador requests a variance to drill this well using a co-flex line between the BOP and choke manifold. Certification for proposed co-flex hose is attached. The hose is not required by the manufacturer to be anchored. If the specific hose is not available, then one of equal or higher rating will be used.

Matador requests a variance to have the option of batch drilling this well with other wells on the same pad. In the event that this well is batch drilled, the wellbore will be secured with a blind flange of like pressure. When the rig returns to this well and BOPs are installed, the operator will perform a full BOP test.

Matador requests a variance to drill this well using a 5M annular preventer with a 10M BOP ram stack. The "Well Control Plan For 10M MASP Section of Wellbore" is attached.

4. Casing & Cement

All casing will be API and new. See attached casing assumption worksheet.

String	Hole Size (in)	Set MD (ft)	Set TVD (ft)	Casing Size (in)	Wt. (lb/ft)	Grade	Joint	Collapse	Burst	Tension
Surface	17.5	0 - 1381	0 - 1381	13.375	54.5	J-55	BUTT	1.125	1.125	1.8
Intermediate 1 Top	9.875	0 - 9500	0 - 9500	7.625	29.7	P-110	BUTT	1.125	1.125	1.8
Intermediate 1 Bottom	8.75	9500 - 11600	9500 - 11600	7.625	29.7	P-110	VAM HTF-NR	1.125	1.125	1.8
Production	6.75	0 - 23895	0 - 13723	5.5	20	P-110	Hunting TLW-SC	1.125	1.125	1.8

- All casing strings will be tested in accordance with Onshore Order #2 - III.B.1.h
- Rustler top will be validated via drilling parameters (i.e. reduction in ROP) and surface casing setting depth revised accordingly if needed
- All non-API joint connections will be of like or greater quality and as run specification sheets will be on location for review

Variance Request

Matador request a variance to wave the centralizer requirement for the 7-5/8" casing and the 5-1/2" SF/Flush casing in the 6-3/4" hole.

If a DV tool is used, depth(s) will be adjusted based on hole conditions and cement volumes will be adjusted proportionally. DV tool will be set a minimum of 50 feet below previous casing and a minimum of 200 feet above the current shoe. Lab reports with the 500 psi compressive strength time for the cement will be onsite for review.

9-7/8" hole depth may fluctuate, but 7-5/8" BUTT will only be run inside of 9-7/8" OH and Flush joint will be run in 8-3/4" OH. Cement volumes will be adjusted proportionally. Option to drill the entire Intermediate I hole section in 9-7/8" hole size.

Matador request option to perform a bradenhead cement squeeze on Intermediate 1 string.

Matador request a variance to utilize a surface setting rig. If this is used, Matador request the option to drill either 17.5" or 20" surface hole.

String	Type	Sacks	Yield	Cu. Ft.	Weight	Percent Excess	Top of Cement	Class	Blend
Surface	Lead	640	1.747	1123	13.5	50%	0	C	5% NaCl + LCM
	Tail	250	1.379	348	14.8	50%	1081	C	5% NaCl + LCM
Intermediate 1	Lead	880	3.66	3234	10.3	25%	0	A/C	Fluid Loss + Dispersant + Retarder + LCM
	Tail	100	1.413	146	13.2	25%	10600	A/C	Fluid Loss + Dispersant + Retarder + LCM
Production	Tail	970	1.193	1157	14.2	10%	11400	H	Fluid Loss + Dispersant + Retarder + LCM

5. Mud Program

An electronic Pason mud monitoring system complying with Onshore Order 2 will be used. All necessary mud products (barite, bentonite, LCM) for weight addition and fluid loss control will be on location at all times. Mud program is subject to change due to hole conditions.

Hole Section	Hole Size (in)	Mud Type	Interval MD (ft)	Density (lb/gal)	Viscosity	Fluid Loss
Surface	17.5	Spud Mud	0 - 1381	8.4 - 8.8	28-30	NC
Intermediate 1	9.875	Brine Diesel Emulsion	1381 - 11600	8.4 - 9.4	28-30	NC
Production	6.75	OBM	11600 - 23895	12 - 13.5	30-35	<20

6. Cores, Test, & Logs

No core or drill stem test is planned.

No electric logs are planned at this time. GR will be collected through the MWD tools from Intermediate casing to TD. CBL with CCL will be run as far as gravity will let it fall to top of curve.

7. Down Hole Conditions

No abnormal pressure or temperature is expected. Bottom hole pressure is 9634 psi. Maximum anticipated surface pressure is 6614 psi. Expected bottom hole temperature is 206° F.

In accordance with Onshore Order 6, Matador does not anticipate that there will be enough H2S from the surface to the Bone Spring formations to meet the BLM's minimum requirements for the submission of a "H2S Drilling Operation Plan" or "Public Protection Plan" for the drilling and completion of this well. Since we have a H2S safety package on all wells, attached is a "H2S Drilling Operations Plan". Adequate flare lines will be installed off the mud/gas separator where gas may be flared safely. All personnel will be familiar with all aspects of safe operation of the equipment being used.

Tapered String Specification Sheet

Boros Federal #243H
SHL: 430' FNL & 2203' FEL Section 15
BHL: 240' FSL & 1980' FEL Section 22
Township/Range: 26S 31E
Elevation Above Sea Level: 3224'

String	Hole Size (in)	Set MD (ft)	Set TVD (ft)	Casing Size (in)	Wt. (lb/ft)	Grade	Joint	Collapse	Burst	Tension
Surface	17.5	0 - 1381	0 - 1381	13.375	54.5	J-55	BUTT	1.125	1.125	1.8
Intermediate 1 Top	9.875	0 - 9500	0 - 9500	7.625	29.7	P-110	BUTT	1.125	1.125	1.8
Intermediate 1 Bottom	8.75	9500 - 11600	9500 - 11600	7.625	29.7	P-110	VAM HTF-NR	1.125	1.125	1.8
Production	6.75	0 - 23895	0 - 13723	5.5	20	P-110	Hunting TLW-SC	1.125	1.125	1.8