

Submit 1 Copy To Appropriate District Office
District I – (575) 393-6161
1625 N. French Dr., Hobbs, NM 88240
District II – (575) 748-1283
811 S. First St., Artesia, NM 88210
District III – (505) 334-6178
1000 Rio Brazos Rd., Aztec, NM 87410
District IV – (505) 476-3460
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-103
Revised July 18, 2013

SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)		WELL API NO. 30-025-44683
1. Type of Well: Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/>		5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>
2. Name of Operator Marathon Oil Permian LLC		6. State Oil & Gas Lease No.
3. Address of Operator 5555 San Felipe St., Houston, TX 77056		7. Lease Name or Unit Agreement Name FLOWMASTER 15 WA FEE
4. Well Location Unit Letter <u>N</u> : <u>340</u> feet from the <u>NORTH</u> line and <u>390</u> feet from the <u>WEST</u> line Section <u>15</u> Township <u>24S</u> Range <u>34E</u> NMPM County <u>LEA</u>		8. Well Number <u>6H</u>
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3,523' GR		9. OGRID Number 372098
		10. Pool name or Wildcat ANTELOPE RIDGE; WOLFCAMP

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>	P AND A <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	MULTIPLE COMPL. <input type="checkbox"/>	CASING/CEMENT JOB <input type="checkbox"/>	
DOWNHOLE COMMINGLE <input type="checkbox"/>			
CLOSED-LOOP SYSTEM <input type="checkbox"/>			
OTHER: Remediation Procedure <input checked="" type="checkbox"/>		OTHER: <input type="checkbox"/>	

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

Marathon Oil Permian LLC requests to perform a 4-1/2" Permanent Tieback Installation procedure as discussed via telephone with the OCD.
Please see attached for procedure details.

Spud Date:

10/25/2018

Rig Release Date:

1/6/2019

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE



TITLE

CTR - Technician HES

DATE

2/8/2019

Type or print name

Adrian Covarrubias

E-mail address:

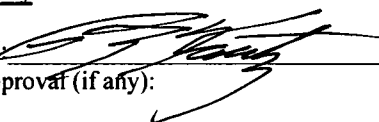
acovarrubias@marathonoil.com

PHONE:

713-296-3368

For State Use Only

APPROVED BY:



TITLE

Petroleum Engineer

DATE

02/08/19

Conditions of Approval (if any):

Flowmaster Fee 24 34 15 WA 6H

4-1/2" Permanent Tieback Installation Procedure

- 1) Run in hole with liner tieback seal assembly and 4-1/2" 13.5# P-110 tieback string utilizing casing running crew and torque turn services.
- 2) Sting into liner hanger polished bore receptacle (PBR) and pressure test to 2000 psi to confirm seals
- 3) Unsting and pick up ~5-10' above PBR.
- 4) Pump cement job and displace cement out of tie back assembly.
- 5) Sting into PBR and land 4-1/2" tieback string in wellhead. Pressure test to 2000 psi to confirm seals on PBR.
- 6) Install 7-1/16" 10M x 7-1/16" 10M wellhead section (see wellhead schematic).
- 7) Wait on cement.
- 8) Resume completions operations.

Josh Shannon with MRO jshannon@marathonoil.com

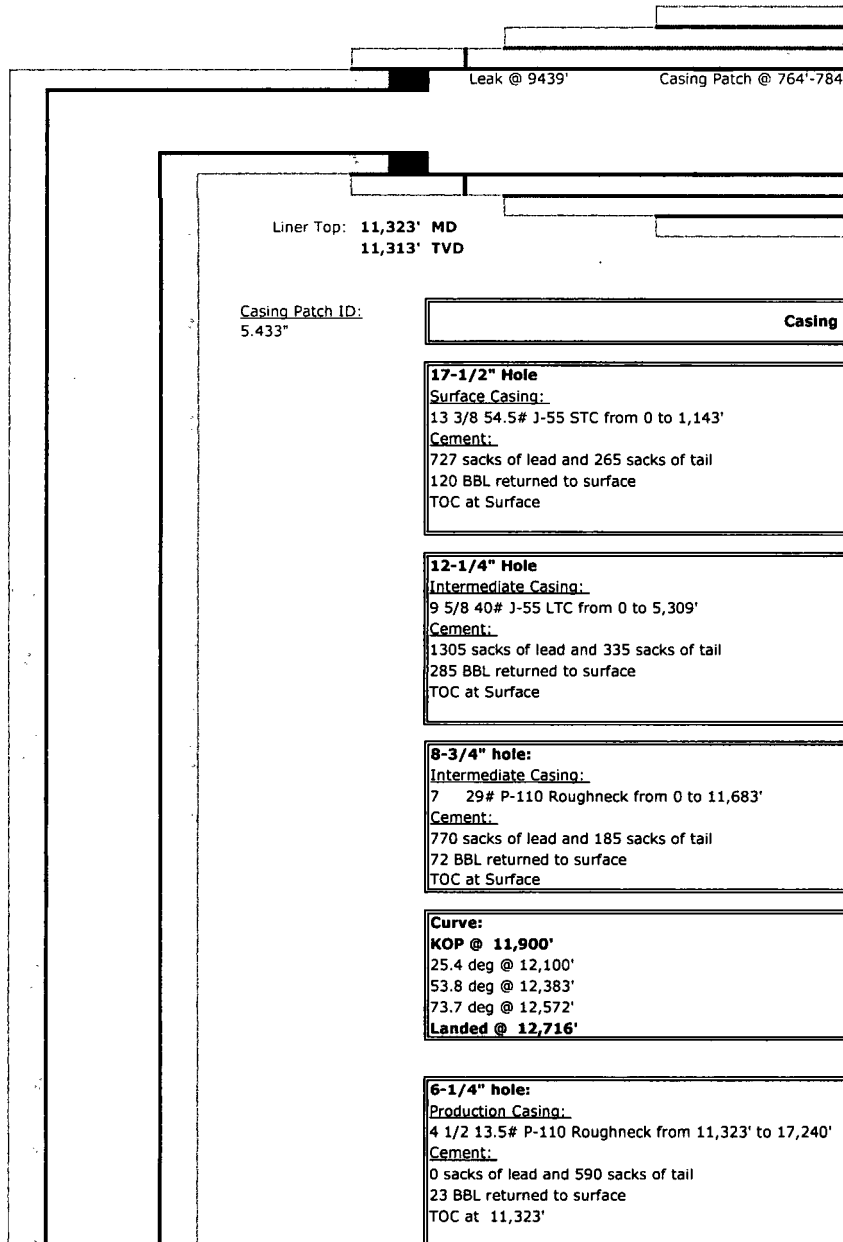
John Hashman with MRO jhashman@marathonoil.com

Jacob Beaty with MRO jabeaty@marathonoil.com



Flowmaster Fee 24 34 15 WA 6H
Wellbore Diagram
 Wolfcamp A
 Lea County, New Mexico
 API #: 30-025-44683
 WBS #: DD.18.00840.C1
 Rig Released: 1/6/2019

BEFORE



SHL: 340' FNL & 390' FWL, S15, T24S, R34E
 BHL: 200' FSL & 330' FWL, S15, T24S, R34E
 KB Elev: 3,550'
 GL Elev: 3,523'
 KB-GL: 27'
 Spud Date: 10/25/2018
 Rig Release: 1/6/2019

Casing and Cement Info

17-1/2" Hole

Surface Casing:

13 3/8 54.5# J-55 STC from 0 to 1,143'

Cement:

727 sacks of lead and 265 sacks of tail
 120 BBL returned to surface
 TOC at Surface

12-1/4" Hole

Intermediate Casing:

9 5/8 40# J-55 LTC from 0 to 5,309'

Cement:

1305 sacks of lead and 335 sacks of tail
 285 BBL returned to surface
 TOC at Surface

8-3/4" hole:

Intermediate Casing:

7 29# P-110 Roughneck from 0 to 11,683'

Cement:

770 sacks of lead and 185 sacks of tail
 72 BBL returned to surface
 TOC at Surface

Curve:

KOP @ 11,900'

25.4 deg @ 12,100'

53.8 deg @ 12,383'

73.7 deg @ 12,572'

Landed @ 12,716'

6-1/4" hole:

Production Casing:

4 1/2 13.5# P-110 Roughneck from 11,323' to 17,240'

Cement:

0 sacks of lead and 590 sacks of tail
 23 BBL returned to surface
 TOC at 11,323'

Proposed Frac String

Tie Back String:

4-1/2" 13.5# P-110 Roughneck from 0' to 11,323'

Cement:

Lead Cement: 4,809' to 10,323' - 0% Excess

Tail Cement: 10,323' to 11,323' - 0% Excess

Toe Sleeve Top @ 17,150'

MD = 17,240'

PBTD = 17,194'

Avg TVD Lat = 12,400'

TVD @ Heel = 12,407'

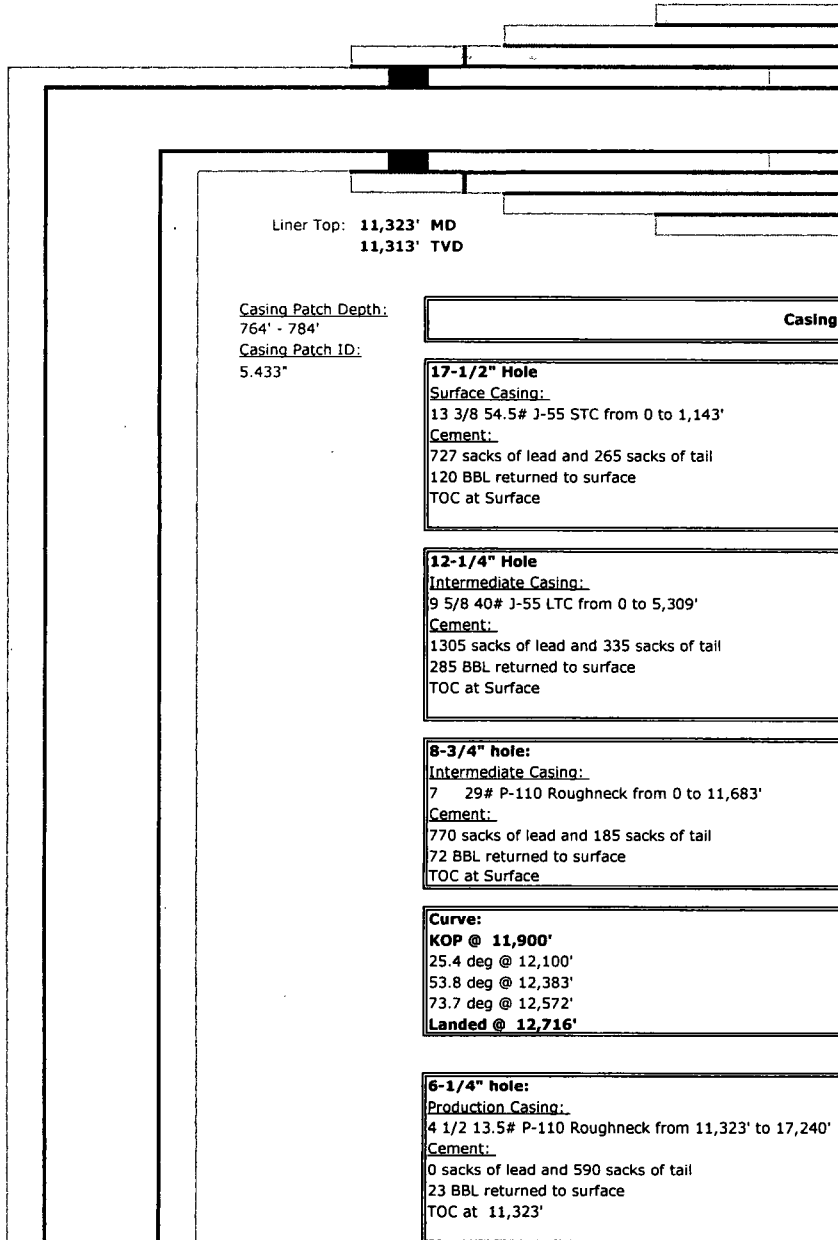
TVD @ Toe = 12,399'

Lat. Length = 4,478'

Estimated BHT = 165'



PROPOSED
Flowmaster Fee 24 34 15 WA 6H
Wellbore Diagram
 Wolfcamp A
 Lea County, New Mexico
 API #: 30-025-44683
 WBS #: DD.18.00840.C1
 Rig Released: 1/6/2019



Casing Patch Depth:
764' - 784'
Casing Patch ID:
5.433'

Casing and Cement Info

17-1/2" Hole

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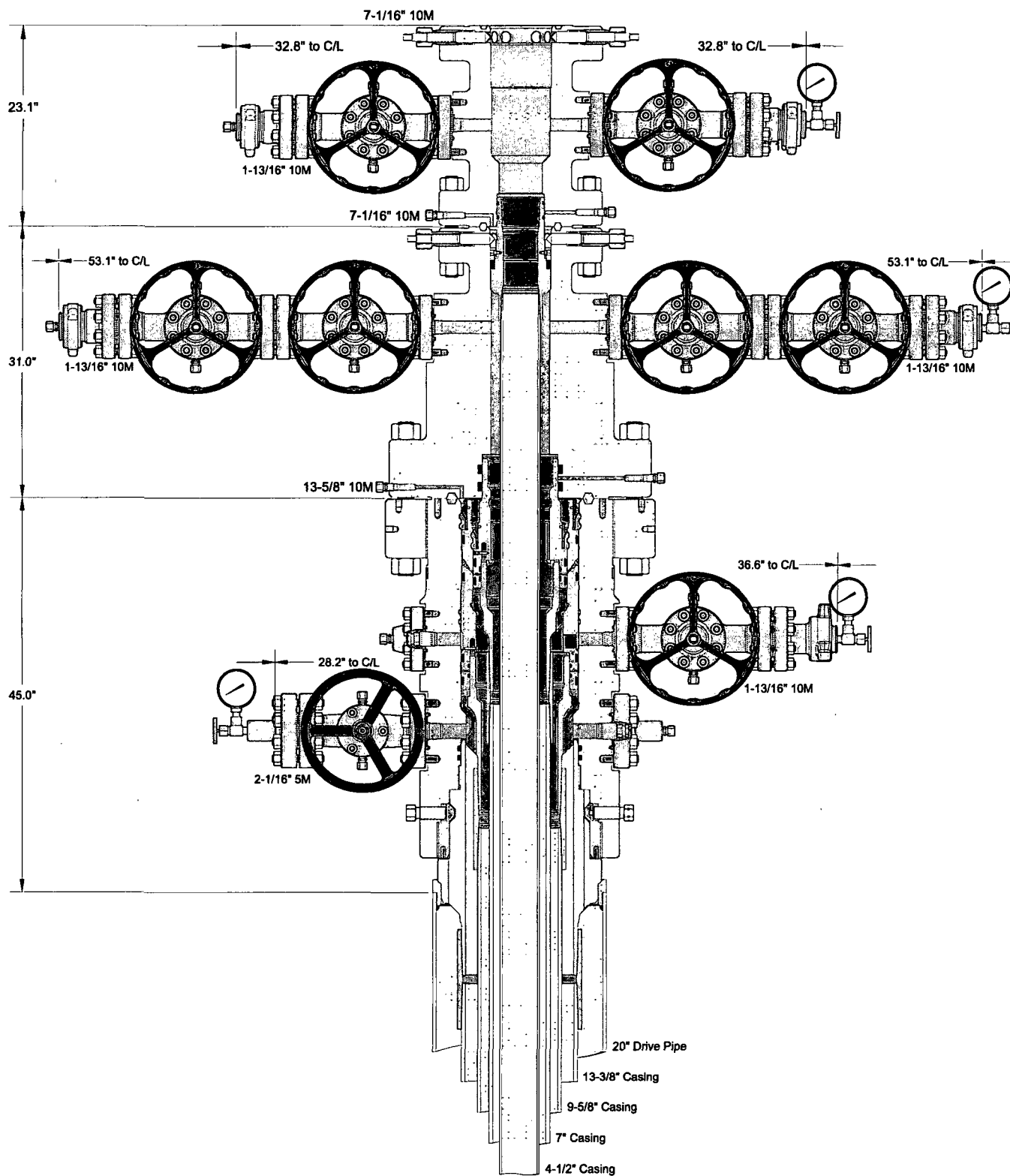
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Cement:
0 sacks of lead and 590 sacks of tail
23 BBL returned to surface
TOC at 11,323'

Proposed Frac String

Tie Back String:
4-1/2" 13.5# P-110 Roughneck from 0' to 11,323'
Cement:
Lead Cement: 600' to 10,323' - 0% Excess
Tail Cement: 10,323' to 11,323' - 0% Excess

SHL: 340' FNL & 390' FWL, S15, T24S, R34E
BHL: 200' FSL & 330' FWL, S15, T24S, R34E
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GL Elev: 3,523'
KB-GL: 27'
Spud Date: 10/25/2018
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PBD = 17,194'
Avg TVD Lat = 12,400'
TVD @ Heel = 12,407'
TVD @ Toe = 12,399'
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Estimated BHT = 165'



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ALL DIMENSIONS APPROXIMATE

CACTUS WELLHEAD LLC

MARATHON OIL COMPANY

20" x 13-3/8" x 9-5/8" x 7" x 4-1/2" MBU-3T-CFL-R-DBLO Wellhead
 13-5/8" 10M x 7-1/16" 10M CTH-DBLHPS Tubing Head (31" LG)
 And 7-1/16" 10M x 7-1/16" 10M CTH-EN Tubing Head

DRAWN	DLE	07FEB19
APPRV		
DRAWING NO.	SDT-1894	