Form 3160-5 (June 2019)

### UNITED STATES DEPARTMENT OF THE INTERIOR

FORM	APPROVED
OMB N	o. 1004-0137
Expires: O	ctober 31, 202

JREAU OF LAND MANAGEMENT	5.	Lease	Seri

BURI	EAU OF LAND MANAGEMENT		3. Lease Schai ivo.	
Do not use this f	OTICES AND REPORTS ON Worm for proposals to drill or to Jse Form 3160-3 (APD) for suc	re-enter an	6. If Indian, Allottee or	r Tribe Name
abandoned wen.	ose romi oroc-o (Ar b) for suc	лі ріорозаіз.	7 IfII:: 4 - f C A / A	None and None
	<b>TRIPLICATE</b> - Other instructions on page	9 2	/. If Unit of CA/Agree	ement, Name and/or No.
1. Type of Well			8. Well Name and No.	
Oil Well Gas W	Vell Other			
2. Name of Operator			9. API Well No.	
3a. Address	3b. Phone No.	(include area code)	10. Field and Pool or I	Exploratory Area
4. Location of Well (Footage, Sec., T.,R	.,M., or Survey Description)		11. Country or Parish,	State
12. CHE	CK THE APPROPRIATE BOX(ES) TO INC	DICATE NATURE OF NO	TICE, REPORT OR OTH	IER DATA
TYPE OF SUBMISSION		TYPE OF A	CTION	
Notice of Intent	Acidize Deep Alter Casing Hydra	=	oduction (Start/Resume)	Water Shut-Off Well Integrity
Subsequent Report	Casing Repair New	Construction Re	ecomplete	Other
Subsequent Report	Change Plans Plug	and Abandon Te	mporarily Abandon	
Final Abandonment Notice	Convert to Injection Plug	Back W	ater Disposal	
completed. Final Abandonment Not is ready for final inspection.)	ns. If the operation results in a multiple comices must be filed only after all requirements			
4. I hereby certify that the foregoing is	true and correct. Name (Printed/Typed)	Title		
Signature		Date		
	THE SPACE FOR FEDE	ERAL OR STATE C	FICE USE	
Approved by			I	
rr		Title	I	Date
	ned. Approval of this notice does not warrant quitable title to those rights in the subject lead duct operations thereon.		'	
	B U.S.C Section 1212, make it a crime for an		villfully to make to any de	partment or agency of the United States

(Instructions on page 2)

### **GENERAL INSTRUCTIONS**

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

### SPECIFIC INSTRUCTIONS

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

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

### **NOTICES**

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

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

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

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

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

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

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

Response to this request is mandatory.

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

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

(Form 3160-5, page 2)

### **Additional Information**

### **Location of Well**

0. SHL: NENW / 155 FNL / 1467 FWL / TWSP: 20S / RANGE: 33E / SECTION: 16 / LAT: 32.579981 / LONG: -103.672103 ( TVD: 0 feet, MD: 0 feet )
PPP: SESW / 1321 FSL / 1650 FWL / TWSP: 20S / RANGE: 33E / SECTION: 21 / LAT: 32.555008 / LONG: -103.671492 ( TVD: 11203 feet, MD: 19812 feet )
PPP: SENW / 1321 FNL / 1650 FWL / TWSP: 20S / RANGE: 33E / SECTION: 21 / LAT: 32.562267 / LONG: -103.671497 ( TVD: 11121 feet, MD: 17171 feet )
PPP: NENW / 0 FSL / 1650 FWL / TWSP: 20S / RANGE: 33E / SECTION: 21 / LAT: 32.565894 / LONG: -103.6715 ( TVD: 11080 feet, MD: 15851 feet )
PPP: NENW / 100 FNL / 1650 FWL / TWSP: 20S / RANGE: 33E / SECTION: 16 / LAT: 32.580133 / LONG: -103.671814 ( TVD: 10646 feet, MD: 10670 feet )
BHL: SESW / 50 FSL / 1650 FWL / TWSP: 20S / RANGE: 33E / SECTION: 21 / LAT: 32.551515 / LONG: -103.671489 ( TVD: 11247 feet, MD: 21198 feet )

## PECOS DISTRICT DRILLING CONDITIONS OF APPROVAL

**OPERATOR'S NAME: | MATADOR PRODUCTION COMPANY** 

LEASE NO.: NMNM108976

WELL NAME & NO.: PONY EXPRESS FED COM 602H SUNDRY

**SURFACE HOLE FOOTAGE:** 145'/N & 1587'/W **BOTTOM HOLE FOOTAGE** 100'/S & 1980'/W

**LOCATION:** | Section 16, T.20 S., R.33 E., NMPM

**COUNTY:** LEA County, New Mexico

COA

H2S	O Yes	• No	
Potash	None	<ul><li>Secretary</li></ul>	© R-111-P
Cave/Karst Potential	• Low	O Medium	O High
Cave/Karst Potential	Critical		
Variance	O None	• Flex Hose	Other
Wellhead	Conventional	• Multibowl	O Both
Other	□4 String Area	□Capitan Reef	□WIPP
Other	✓ Fluid Filled	☐ Cement Squeeze	☐ Pilot Hole
Special Requirements	☐ Water Disposal	<b>☑</b> COM	□ Unit

**ALL Previous COAs Still Apply.** 

### A. HYDROGEN SULFIDE

Hydrogen Sulfide (H2S) monitors shall be installed prior to drilling out the surface shoe. If H2S is detected in concentrations greater than 100 ppm, the Hydrogen Sulfide area shall meet Onshore Order 6 requirements, which includes equipment and personnel/public protection items. If Hydrogen Sulfide is encountered, provide measured values and formations to the BLM.

### **B. CASING**

- 1. The **20** inch surface casing shall be set at approximately **1302** feet (a minimum of **25** feet (Lea 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.

Surface and Intermediate casings must be kept fluid filled to meet BLM minimum collapse requirement.

2. The 13-3/8 inch intermediate casing shall be set at 2877 feet. The minimum required fill of cement behind the 13-3/8 inch intermediate casing is:

### **Option 1 (Single Stage):**

- Cement to surface. If cement does not circulate see B.1.a, c-d above. Wait on cement (WOC) time for a primary cement job is to include the lead cement slurry due to cave/karst or potash.
- 3. The minimum required fill of cement behind the 7 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.

### RI05092022

### 162033 LOT C SUNDRY-2665387 PONY EXPRESS FED COM 602H LEA NMNM108976 Matador 13-22 05072022 RI

### PONY EXPRESS FED COM 602H

20	surface	csg in a	26	inch hole.		Design	Factors -			Surface	e	
Segment	#/ft	Grade		Coupling	Joint	Collapse	Burst	Length	B@s	a-B	a-C	Weigh
"A"	94.00	J	55	BTC	11.46	0.87	1.38	1,302	4	2.37	1.68	122,38
w/8.4#,	/g mud, 30min Sf	c Csg Test psig:	909	Tail Cmt	does not	circ to sfc.	Totals:	1,302				122,38
comparison o	of Proposed to	Minimum R	equired Ceme	nt Volumes								
Hole	Annular	1 Stage	1 Stage	Min	1 Stage	Drilling	Calc	Req'd				Min Dis
Size	Volume	Cmt Sx	CuFt Cmt	Cu Ft	% Excess	Mud Wt	MASP	BOPE				Hole-Cp
26	1.5053	3070	4145	#N/A	#N/A	8.80	891	2M				2.50
						Casing must	be kept 1/3 fl	uid filled.				
13 3/8	casing in	side the	20			Design	Factors			Int 1	4	
Segment	#/ft	Grade		Coupling	Body	Collapse	Burst	Length	B@s	a-B	a-C	Weigh
"A"	54.50		55	BTC	5.44	0.74	1.15	2,877	2	2.27	1.27	156,79
	/g mud, 30min Sf			5.0	0.11	0.7 1	Totals:	2,877	_	2.21		156,79
	-		intended to a	chieve a top of	0	ft from su		1302				overlap.
Hole	Annular	1 Stage	1 Stage	Min	1 Stage	Drilling	Calc	Reg'd				Min Dis
Size	Volume	Cmt Sx	CuFt Cmt	Cu Ft	% Excess	Mud Wt	MASP	BOPE				Hole-Cp
17 1/2	0.6946	2170	3661	2421	51	10.20	1205	2M				1.56
lass 'H' tail cm	nt yld > 1.20		Casing must b	e kept 2/3 fluid	filled.	10.20			4			
	<i>—</i>											
	casing in	side the	13 3/8			Design Fa	ctors			Int 2		
9 5/8	casing ins		13 3/8	Coupling	Body	Design Fa		Length	B@s	Int 2	a-C	Weigh
9 5/8	#/ft	Grade	<b>13 3/8</b> 55	Coupling BTC	<b>Body</b> 2.96	Collapse	Burst	Length 5.312	<b>B@s</b>	a-B	<b>a-C</b> 2.13	•
9 5/8 Segment "A"	<b>#/ft</b> 40.00	<b>Grade</b> J	55	Coupling BTC	<b>Body</b> 2.96		Burst 0.79	5,312	<b>B@s</b> 2		<b>a-C</b> 2.13	212,48
9 5/8 Segment "A" w/8.4#,	#/ft 40.00 /g mud, 30min Sf	<b>Grade</b> J c Csg Test psig:	55 447	втс		Collapse	Burst 0.79 Totals:	5,312 5,312	_	a-B	2.13	212,48 212,48
9 5/8 Segment "A" w/8.4#,	#/ft 40.00 /g mud, 30min Sf	<b>Grade</b> J c Csg Test psig:	55 447		2.96	Collapse 1.08	Burst 0.79 Totals:	5,312 5,312 <b>2877</b>	_	a-B	2.13	212,48 212,48 overlap.
9 5/8 Segment "A" w/8.4#,	#/ft 40.00 /g mud, 30min Sf The cement vo	Grade  J c Csg Test psig: clume(s) are	55 447 intended to a	BTC	2.96	Collapse 1.08	Burst 0.79 Totals: urface or a	5,312 5,312	_	a-B	2.13	Weigh 212,48 212,48 overlap. Min Dis Hole-Cp
9 5/8 Segment "A" w/8.4#,	#/ft 40.00 /g mud, 30min Sf The cement vo Annular	Grade J c Csg Test psig: blume(s) are 1 Stage	55 447 intended to a 1 Stage	BTC chieve a top of Min	2.96 0 1 Stage	Collapse 1.08  ft from su Drilling	Burst 0.79 Totals: urface or a Calc	5,312 5,312 <b>2877</b> Req'd	_	a-B	2.13	212,48 212,48 overlap. Min Dis
9 5/8 Segment "A" w/8.4#, Hole Size 12 1/4	#/ft 40.00 /g mud, 30min Sf The cement vo Annular Volume 0.3132	Grade J c Csg Test psig: blume(s) are 1 Stage Cmt Sx	55 447 intended to a 1 Stage CuFt Cmt	BTC chieve a top of Min Cu Ft	2.96 0 1 Stage % Excess	Collapse 1.08  ft from su Drilling Mud Wt 8.60	Burst 0.79 Totals: Irface or a Calc MASP	5,312 5,312 2877 Req'd BOPE 3M	2	<b>a-B</b> 1.43	2.13	212,48 212,48 overlap. Min Dis Hole-Cp
9 5/8 Segment "A" w/8.4#, Hole Size 12 1/4 Class 'C' tail cm	#/ft 40.00 /g mud, 30min Sf The cement vo Annular Volume 0.3132	Grade J c Csg Test psig: blume(s) are 1 Stage Cmt Sx 1630	55 447 intended to a 1 Stage CuFt Cmt 2742	BTC chieve a top of Min Cu Ft	2.96 0 1 Stage % Excess	Collapse 1.08  ft from su Drilling Mud Wt 8.60	Burst 0.79 Totals: Irface or a Calc MASP 2753	5,312 5,312 2877 Req'd BOPE 3M	2	<b>a-B</b> 1.43	2.13	212,48 212,48 overlap. Min Dis Hole-Cp
9 5/8 Segment "A" w/8.4#, Hole Size 12 1/4 Class 'C' tail cm	#/ft 40.00 /g mud, 30min Sf The cement vo Annular Volume 0.3132	Grade J c Csg Test psig: blume(s) are 1 Stage Cmt Sx 1630	55 447 intended to a 1 Stage CuFt Cmt 2742	BTC chieve a top of Min Cu Ft	2.96 0 1 Stage % Excess	Collapse 1.08  ft from su Drilling Mud Wt 8.60	Burst 0.79 Totals: Irface or a Calc MASP 2753	5,312 5,312 2877 Req'd BOPE 3M	2	<b>a-B</b> 1.43	2.13	212,48 212,48 overlap. Min Dis Hole-Cp
9 5/8 Segment "A" w/8.4#, Hole Size 12 1/4 Class 'C' tail cm	#/ft 40.00 /g mud, 30min Sf The cement vo Annular Volume 0.3132	Grade J c Csg Test psig: blume(s) are 1 Stage Cmt Sx 1630 ment(s): A, B	55 447 intended to a 1 Stage CuFt Cmt 2742	BTC chieve a top of Min Cu Ft	2.96 0 1 Stage % Excess	Collapse 1.08  ft from su Drilling Mud Wt 8.60	Burst 0.79 Totals: Irface or a Calc MASP 2753 Casing must I	5,312 5,312 2877 Req'd BOPE 3M	2	<b>a-B</b> 1.43	2.13	212,48 212,48 overlap. Min Dis Hole-Cp
9 5/8 Segment "A" w/8.4#, Hole Size 12 1/4 Class 'C' tail cm Burst Frac Grac Tail cmt	#/ft 40.00 /g mud, 30min Sf The cement vo Annular Volume 0.3132 at yld > 1.35 dient(s) for Seg	Grade J c Csg Test psig: blume(s) are 1 Stage Cmt Sx 1630 ment(s): A, B	55 447 intended to a 1 Stage CuFt Cmt 2742	BTC chieve a top of Min Cu Ft	2.96 0 1 Stage % Excess	Collapse 1.08  ft from su Drilling Mud Wt 8.60	Burst 0.79 Totals: Irface or a Calc MASP 2753 Casing must I	5,312 5,312 2877 Req'd BOPE 3M	2	<b>a-B</b> 1.43	2.13	212,48 212,48 overlap. Min Dis Hole-Cp 0.81
9 5/8 Segment "A" w/8.4#, Hole Size 12 1/4 Class 'C' tail cm Burst Frac Grac Tail cmt	#/ft 40.00 /g mud, 30min Sf The cement vo Annular Volume 0.3132 at yld > 1.35 dient(s) for Seg	Grade  J c Csg Test psig: blume(s) are 1 Stage Cmt Sx 1630  ment(s): A, B, side the Grade	55 447 intended to a 1 Stage CuFt Cmt 2742 , C, D = 0.74,	BTC  Chieve a top of  Min  Cu Ft  1806	2.96 0 1 Stage % Excess 52	ft from su Drilling Mud Wt 8.60	Burst 0.79 Totals: urface or a Calc MASP 2753 Casing must I	5,312 5,312 2877 Req'd BOPE 3M pe kept 1/3	2	a-B 1.43 d.	2.13	212,48 212,48 overlap. Min Dis Hole-Cp 0.81
9 5/8 Segment "A" w/8.4# Hole Size 12 1/4 Class 'C' tail cm Burst Frac Grac Tail cmt 7 Segment	#/ft 40.00 /g mud, 30min Sf The cement vo Annular Volume 0.3132 at yld > 1.35 dient(s) for Seg  casing ins	Grade J c Csg Test psig: blume(s) are 1 Stage Cmt Sx 1630 ment(s): A, B, side the Grade P	55 447 intended to a 1 Stage CuFt Cmt 2742 , C, D = 0.74,	BTC  chieve a top of  Min  Cu Ft  1806	2.96 0 1 Stage % Excess 52 Body	ft from su Drilling Mud Wt 8.60  Design Collapse	Burst 0.79 Totals: Irface or a Calc MASP 2753 Casing must I	5,312 5,312 2877 Req'd BOPE 3M De kept 1/3	fluid fille	a-B 1.43 d. Prod 1 a-B	2.13 a-C 3.48	212,48 212,48 overlap. Min Dis Hole-Cp 0.81 Weigh 297,91
9 5/8 Segment "A" w/8.4#, Hole Size 12 1/4 Class 'C' tail cm Burst Frac Grac Tail cmt 7 Segment "A" "B"	#/ft 40.00 /g mud, 30min Sf The cement vo Annular Volume 0.3132 at yld > 1.35 dient(s) for Seg casing ins #/ft 29.00	Grade  J c Csg Test psig: blume(s) are 1 Stage Cmt Sx 1630  ment(s): A, B, side the Grade P	55 447 intended to a 1 Stage CuFt Cmt 2742 , C, D = 0.74, 9 5/8 110 110	BTC  chieve a top of  Min  Cu Ft  1806  Coupling  VAM DWC/C	2.96 0 1 Stage % Excess 52 Body 3.51	ft from su Drilling Mud Wt 8.60  Design Collapse 1.91	Burst 0.79 Totals: Irface or a Calc MASP 2753 Casing must I	5,312 5,312 2877 Req'd BOPE 3M De kept 1/3 Length 10,273	fluid fille	a-B 1.43 d. Prod 1 a-B 4.63	2.13 a-C 3.48	212,48 212,48 overlap. Min Dis Hole-Cp 0.81 Weigh 297,91 217,50
9 5/8 Segment "A" w/8.4#, Hole Size 12 1/4 Class 'C' tail cm Tail cmt 7 Segment "A" "B" w/8.4#,	#/ft 40.00 /g mud, 30min Sf The cement vo Annular Volume 0.3132 at yld > 1.35 dient(s) for Seg  casing ins #/ft 29.00 20.00 /g mud, 30min Sf	Grade  J c Csg Test psig: clume(s) are 1 Stage Cmt Sx 1630  ment(s): A, B, side the Grade P C Csg Test psig:	55 447 intended to at 1 Stage CuFt Cmt 2742 C, D = 0.74, 9 5/8 110 110 2,257	BTC  chieve a top of  Min  Cu Ft  1806  Coupling  VAM DWC/C	2.96 0 1 Stage % Excess 52 Body 3.51	ft from su Drilling Mud Wt 8.60  Design Collapse 1.91	Burst 0.79 Totals: Irface or a Calc MASP 2753 Casing must I Factors Burst 2.54 2.87 Totals:	5,312 5,312 2877 Req'd BOPE 3M De kept 1/3 Length 10,273 10,875	fluid fille	a-B 1.43 d. Prod 1 a-B 4.63	2.13 a-C 3.48 4.73	212,48 212,48 overlap. Min Dis Hole-Cp 0.81 Weigh 297,91 217,50
9 5/8 Segment "A" w/8.4#, Hole Size 12 1/4 Class 'C' tail cm Tail cmt 7 Segment "A" "B" w/8.4#,	#/ft 40.00 /g mud, 30min Sf The cement vo Annular Volume 0.3132 at yld > 1.35 dient(s) for Seg  casing ins #/ft 29.00 20.00 /g mud, 30min Sf	Grade  J c Csg Test psig: clume(s) are 1 Stage Cmt Sx 1630  ment(s): A, B, side the Grade P C Csg Test psig:	55 447 intended to at 1 Stage CuFt Cmt 2742 C, D = 0.74, 9 5/8 110 110 2,257	BTC  chieve a top of  Min  Cu Ft  1806  Coupling  VAM DWC/C  TLW	2.96  0 1 Stage % Excess 52  Body 3.51 ∞	ft from su Drilling Mud Wt 8.60 Design Collapse 1.91 2.60	Burst 0.79 Totals: Irface or a Calc MASP 2753 Casing must I Factors Burst 2.54 2.87 Totals:	5,312 5,312 2877 Req'd BOPE 3M De kept 1/3 Length 10,273 10,875 21,148	fluid fille	a-B 1.43 d. Prod 1 a-B 4.63	2.13 a-C 3.48 4.73	212,48 212,48 overlap. Min Dis Hole-Cp 0.81 Weigh 297,91 217,50 515,41 overlap.
9 5/8 Segment "A" w/8.4#, Hole Size 12 1/4 Class 'C' tail cm Burst Frac Grac Tail cmt 7 Segment "A" "B" w/8.4#,	#/ft 40.00 /g mud, 30min Sf The cement vo Annular Volume 0.3132 at yld > 1.35 dient(s) for Seg casing ins #/ft 29.00 20.00 /g mud, 30min Sf The cement vo	Grade  J c Csg Test psig: blume(s) are 1 Stage Cmt Sx 1630  ment(s): A, B, side the Grade P c Csg Test psig: blume(s) are	55 447 intended to a 1 Stage CuFt Cmt 2742 , C, D = 0.74, 9 5/8 110 110 2,257 intended to a	BTC  chieve a top of  Min Cu Ft 1806  Coupling VAM DWC/C TLW  chieve a top of	2.96  0 1 Stage % Excess 52  Body 3.51  0	t from su Design Collapse 1.91 2.60  ft from su Drilling Mud Wt 8.60	Burst 0.79 Totals: Irface or a Calc MASP 2753 Casing must I Factors Burst 2.54 2.87 Totals: Irface or a	5,312 5,312 2877 Req'd BOPE 3M De kept 1/3 Length 10,273 10,875 21,148 5312	fluid fille	a-B 1.43 d. Prod 1 a-B 4.63	2.13 a-C 3.48 4.73	212,48 212,48 overlap. Min Dis Hole-Cp 0.81 Weigh 297,91 217,50 515,41

Carlsbad Field Office 5/7/2022

Received by OCD: 6/6/2022 8:25:05 AM

<u>District I</u> 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

<sup>1</sup> API Number 30-025-49050		<sup>2</sup> Pool Code 96399	G, WEST	
<sup>4</sup> Property Code 332438			operty Name PRESS FED COM	<sup>6</sup> Well Number 602H
<sup>7</sup> OGRID No. 228937			perator Name ODUCTION COMPANY	<sup>9</sup> Elevation 3533.3'

### Surface Location

	C C	16	20S	33E	Lot lun	145	NORTH	1587	WEST	LEA
•				11	Dottom U	ola Lagation I	f Different From	Curfoco		

### Bottom Hole Location If Different From Surface

ı	UL or lot no.	Section	n Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
١	N	21	20S	33E		100	SOUTH	1980	WEST	LEA
Ι	12 Dedicated Acres		<sup>13</sup> Joint or Infill	14 Conso	olidation Code	15 Order No.				
- 1	320									

S89°55'36"W - 5291.55' (Meas.)

16

See Detail

5291.58' (Meas.)

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.

S89°56′19″W -

10363.55' LTP/BHL)

112

S00\*08\*57"E (From FTP t

21

LTP/BHL

S89°56'52"W 2645.72' (Meas.)

NOO'09'04"W 2639.58' (Meas.,

(Meas.)

2640.7

(Meas.

2641.00

(Meas.

,91

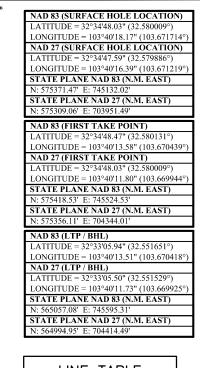
2640.1

1980

*N.00.08,32,M* 

NO0.08'43"W

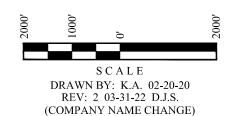
NOO°09°25"W 640.78' (Meas.

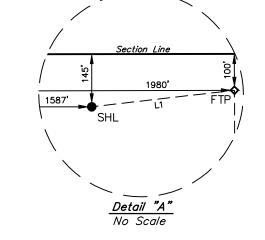


LINE TABLE								
LINE DIRECTION LENGTH								
L1	N83°24'22"E	395.40'						
L2	S89*59'09"W	2645.55						

- NOTE:

  Distances referenced on plat to
- section lines are perpendicular.
  Basis of Bearing is a Transverse
  Mercator Projection with a Central
  Meridian of W103°53'00" (NAD 83)
- SURFACE HOLE LOCATION
- = FIRST TAKE POINT
- LAST TAKE POINT/ BOTTOM HOLE LOCATION
- SECTION CORNER LOCATED





### <sup>17</sup>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 knowledge and bettef, 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

6/5/22

Nicky Fitzgerald

(Meas.

2640.74'

N., 22, 60.00N

M., 80, 60, 00N

2640.72

(Meas.,

2641.17'

,85,80.00N

./2,/0.00N

2642.60'

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 and correct to the best of my belief.

January 21, 2020



Released to Imaging: 6/7/2022 7:57:08 AM

### Pony Express Fed Com #602H

- Matador respectfully requests the option to amend the well design of the Pony Express Fed Com #602H to make the following changes to the current APD.

### **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	26	0 - 1302	0 - 1302	20	94	J-55	BUTT	1.125	1.125	1.8
Intermediate 1	17.5	0 - 2877	0 - 2877	13.375	54.5	J-55	BUTT	1.125	1.125	1.8
Intermediate 2	12.25	0 - 5312	0 - 5312	9.625	40	J-55	BUTT	1.125	1.125	1.8
Production Top	8.75	0 - 10273	0 - 10261	7	29	P-110	VAM DWC/C	1.125	1.125	1.8
Production Bottom	8.75	10273 - 21148	10261 - 11247	5.5	20	P-110	Hunting TLW	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
- Request option to run a full 5.5" production string, cement volumes will be adjusted accordingly.
- Request option to drill 8.5" hole throughout 5.5" production casing section. 7" casing will not be ran in 8.5" hole.

String	Туре	Sacks	Yield	Cu. Ft.	Weight	Percent Excess	Top of Cement	Class	Blend
Surface	Tail	3070	1.35	4140	14.8	100%	0	С	5% NaCl + LCM
Intermediate 1	Lead	1700	1.78	3032	13.5	50%	0	С	5% NaCl + LCM
	Tail	470	1.35	634	14.8	50%	2302	С	5% NaCl + LCM
Intermediate 2	Lead	1260	1.78	2240	13.5	50%	0	С	Bentonite + 1% CaCL2 + 8% NaCl + LCM
Intermediate 2	Tail	370	1.35	504	14.8	50%	4312	С	5% NaCl + LCM
Production	Lead	330	3.66	1190	10.3	25%	3215	A/C	Fluid Loss + Dispersant + Retarder + LCM
FIOUCTION	Tail	2400	1.35	3238	13.2	15%	9873	A/C	Fluid Loss + Dispersant + Retarder + LCM

Matador requests the option to run a DV tool with annular packer as contingency in the intermediate 1 or 2 section on 13-3/8" or 9-5/8" casing if lost circulation is encountered. If losses occur, the DV tool with packer will be placed at least 100' above the loss zone to give the option to pump cement as either a single stage or two stage.

### **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	26	Spud Mud	0 - 1302	8.4 - 8.8	28-30	NC
Intermediate 1	17.5	Brine Water	1302 - 2877	9.5 - 10.2	28-32	NC
Intermediate 2	12.25	Fresh Water	2877 - 5312	8.4 - 8.6	28-30	NC
Production	8.75	OBM/Cut Brine	5312 - 21148	8.6 - 9.4	28-30	NC



# TEC-LOCK WEDGE 5.500" 20 LB/FT (.361"Wall) with 5.875" SPECIAL CLEARANCE OD

BEN P110 CY

### **Pipe Body Data**

Nominal OD:	5.500	in
Nominal Wall:	.361	in
Nominal Weight:	20.00	lb/ft
Plain End Weight:	19.83	lb/ft
Material Grade:	P110 CY	
Mill/Specification:	BEN	
Yield Strength:	125,000	psi
Tensile Strength:	135,000	psi
Nominal ID:	4.778	in
API Drift Diameter:	4.653	in
Special Drift Diameter:	None	in
RBW:	87.5 %	
Body Yield:	729,000	lbf
Burst:	14,360	psi
Collapse:	13,010	psi

### **Connection Data**

Standard OD:	5.875	in
Pin Bored ID:	4.778	in
Critical Section Area:	5.656	in²
Tensile Efficiency:	97 %	
Compressive Efficiency:	100 %	
Longitudinal Yield Strength:	707,000	lbf
Compressive Limit:	729,000	lbf
Internal Pressure Rating:	14,360	psi
External Pressure Rating:	13,010	psi
Maximum Bend:	101.2	°/100ft

### **Operational Data**

Minimum Makeup Torque:	15,000	ft*lbf
Optimum Makeup Torque:	18,700	ft*lbf
Maximum Makeup Torque:	41,200	ft*lbf
Minimum Yield:	45,800	ft*lbf
Makeup Loss:	5.97	in

Notes Operational Torque is equivalent to the Maximum Make-Up Torque



Generated on Sep 03, 2019

### **Technical Specifications**

Connection Type:	Size(O.D.):	Weight (Wall):	Grade:
DWC/C Casing	7 in	29.00 lb/ft (0.408 in)	VMS P110 EC

2012 API Spec 5CT Coupling O.D.

,,_,,, , open oo i ooup	g 0.5.	
VMS P110 EC 125,000 135,000	Material Grade Minimum Yield Strength (psi) Minimum Ultimate Strength (psi)	VAM-USA
7.000 6.184 0.408 29.00 28.75 8.449	Pipe Dimensions Nominal Pipe Body O.D. (in) Nominal Pipe Body I.D.(in) Nominal Wall Thickness (in) Nominal Weight (lbs/ft) Plain End Weight (lbs/ft) Nominal Pipe Body Area (sq in)	4424 W. Sam Houston Pkwy. Suite 150 Houston, TX 77041 Phone: 713-479-3200 Fax: 713-479-3234 E-mail: VAMUSAsales@na.vallourec.com
1,056,000 9,580 12,750 11,700	Pipe Body Performance Properties Minimum Pipe Body Yield Strength (lbs) Minimum Collapse Pressure (psi) Minimum Internal Yield Pressure (psi) Hydrostatic Test Pressure (psi)	
7.875 6.184 6.125 4.50 8.449 100.0	Connection Dimensions Connection O.D. (in) Connection I.D. (in) Connection Drift Diameter (in) Make-up Loss (in) Critical Area (sq in) Joint Efficiency (%)	
1,056,000 26,010 1,045,000 528,000 9,580 12,750 40.9	Connection Performance Properties Joint Strength (lbs) Reference String Length (ft) 1.4 Design Factor API Joint Strength (lbs) Compression Rating (lbs) API Collapse Pressure Rating (psi) API Internal Pressure Resistance (psi) Maximum Uniaxial Bend Rating [degrees/100 ft]	
26,800 31,300 35,800	Appoximated Field End Torque Values Minimum Final Torque (ft-lbs) Maximum Final Torque (ft-lbs) Connection Yield Torque (ft-lbs)	

For detailed information on performance properties, refer to DWC Connection Data Notes on following page(s).

Connection specifications within the control of VAM-USA were correct as of the date printed. Specifications are subject to change without notice. Certain connection specifications are dependent on the mechanical properties of the pipe. Mechanical properties of mill proprietary pipe grades were obtained from mill publications and are subject to change. Properties of mill proprietary grades should be confirmed with the mill. Users are advised to obtain current connection specifications and verify pipe mechanical properties for each application.

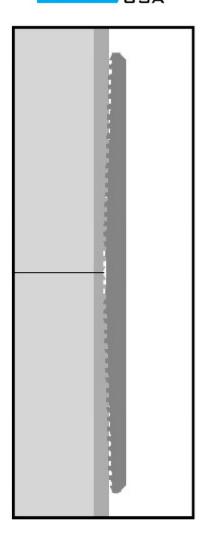
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#### **DWC Connection Data Notes:**

- DWC connections are available with a seal ring (SR) option.
- All standard DWC/C connections are interchangeable for a give pipe OD. DWC connections are interchangeable with DWC/C-SR connections of the same OD and wall.
- 3. Connection performance properties are based on nominal pipe body and connection dimensions.
- DWC connection internal and external pressure resistance is calculated using the API rating for buttress connections. API Internal pressure resistance is calculated from formulas 31, 32, and 35 in the API Bulletin 5C3.
- 5. DWC joint strength is the minimum pipe body yield strength multiplied by the connection critical area.
- 6. API joint strength is for reference only. It is calculated from formulas 42 and 43 in the API Bulletin 5C3.
- Bending efficiency is equal to the compression efficiency.
- 8. The torque values listed are recommended. The actual torque required may be affected by field conditions such as temperature, thread compound, speed of make-up, weather conditions, etc.
- 9. Connection yield torque is not to be exceeded.
- 10. Reference string length is calculated by dividing the joint strength by both the nominal weight in air and a design factor (DF) of 1.4. These values are offered for reference only and do not include load factors such as bending, buoyancy, temperature, load dynamics, etc.
- DWC connections will accommodate API standard drift diameters.



Connection specifications within the control of VAM-USA were correct as of the date printed. Specifications are subject to change without notice. Certain connection specifications are dependent on the mechanical properties of the pipe. Mechanical properties of mill proprietary pipe grades were obtained from mill publications and are subject to change. Properties of mill proprietary grades should be confirmed with the mill. Users are advised to obtain current connection specifications and verify pipe mechanical properties for each application.

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### **Casing Design Criteria and Load Case Assumptions**

### **Surface Casing**

Collapse: DF<sub>C</sub>=1.125

- Full Internal Evacuation: Collapse force equal to the mud gradient in which the casing will be run (0.43 psi/ft). The effects of axial load on collapse will be considered.
- Cementing: Collapse force equal to the gradient of planned cement slurries to planned depths and an internal force equal to mud gradient of displacement fluid (0.52 psi/ft).

Burst: DF<sub>b</sub>=1.125

Pressure Test: Casing test per Onshore Oil and Gas Order No. 2 with an external force equal to the mud
gradient in which the casing will be run (0.43 psi/ft), which is a more conservative backup force than pore
pressure.

Tensile: DF<sub>t</sub>=1.8

 Overpull: A downward force of 100,000 lbs is applied at the shoe along with the weight of the casing string utilizing the effects of buoyancy (8.3 ppg).

### Intermediate #1 Casing

Collapse: DFc=1.125

- Full Internal Evacuation: Collapse force equal to the mud gradient in which the casing will be run (0.52 psi/ft). The effects of axial load on collapse will be considered.
- Cementing: Collapse force equal to the gradient of planned cement slurries to planned depths and an internal force equal to mud gradient of displacement fluid (0.43 psi/ft).

Burst: DF<sub>b</sub>=1.125

- Pressure Test: Casing test per Onshore Oil and Gas Order No. 2 with an external force equal to the mud
  gradient in which the casing will be run (0.52 psi/ft), which is a more conservative backup force than pore
  pressure.
- Gas Kick Profile: Internal burst force at the shoe will be Fracture Pressure at that depth. Surface burst pressure will be fracture gradient at setting depth less a gas gradient to equivalent height of 50 bbl kick with Drill Pipe inside casing and mud gradient with which the next hole section will be run above that (0.47 psi/ft). External force will be equal to the mud gradient in which the casing will be run (0.52 psi/ft), which is a more conservative backup force than pore pressure.
- Fracture at Shoe with 1/3 BHP at Surface: Internal burst force at the shoe will be Fracture Pressure at setting depth. Internal burst force at surface will be 1/3 of pore pressure at setting depth. External force will be equal to the mud gradient in which the casing will be run (0.52 psi/ft) which is a more conservative backup force than pore pressure.

Tensile: DF<sub>t</sub>=1.8

• Overpull: A downward force of 100,000 lbs is applied at the shoe along with the weight of the casing string utilizing the effects of buoyancy (10.0 ppg).

### **Intermediate #2 Casing**

Collapse: DF<sub>C</sub>=1.125

- Full Internal Evacuation: Collapse force equal to the mud gradient in which the casing will be run (0.52 psi/ft). The effects of axial load on collapse will be considered.
- Cementing: Collapse force equal to the gradient of planned cement slurries to planned depths and an internal force equal to mud gradient of displacement fluid (0.43 psi/ft).

Burst: DF<sub>b</sub>=1.125

- Pressure Test: Casing test per Onshore Oil and Gas Order No. 2 with an external force equal to the mud gradient in which the casing will be run (0.52 psi/ft), which is a more conservative backup force than pore pressure.
- Gas Kick Profile: Internal burst force at the shoe will be Fracture Pressure at that depth. Surface burst pressure will be fracture gradient at setting depth less a gas gradient to equivalent height of 50 bbl kick with Drill Pipe inside casing and mud gradient with which the next hole section will be run above that (0.47 psi/ft). External force will be equal to the mud gradient in which the casing will be run (0.52 psi/ft), which is a more conservative backup force than pore pressure.
- Fracture at Shoe with 1/3 BHP at Surface: Internal burst force at the shoe will be Fracture Pressure at setting depth. Internal burst force at surface will be 1/3 of pore pressure at setting depth. External force will be equal to the mud gradient in which the casing will be run (0.52 psi/ft) which is a more conservative backup force than pore pressure.

Tensile: DFt=1.8

• Overpull: A downward force of 100,000 lbs is applied at the shoe along with the weight of the casing string utilizing the effects of buoyancy (8.4 ppg).

### **Production Casing**

Collapse: DFc=1.125

- Full Internal Evacuation: Collapse force equal to the mud gradient in which the casing will be run (0.47 psi/ft). The effects of axial load on collapse will be considered.
- Cementing: Collapse force equal to the gradient of planned cement slurries to planned depths and mud gradient in which the casing will be run above that (0.47 psi/ft) and an internal force equal to mud gradient of displacement fluid (0.43 psi/ft).

Burst: DF<sub>b</sub>=1.125

- Pressure Test: 8000 psi casing test with an external force equal to the mud gradient in which the casing will be run (0.47 psi/ft), which is a more conservative backup force than pore pressure.
- Injection Down Casing: 9500 psi surface injection pressure plus an internal pressure gradient of 0.65 psi/ft with an external force equal to the mud gradient in which the casing will be run (0.47 psi/ft), which is a more conservative backup force than pore pressure.

Tensile: DF<sub>t</sub>=1.8

• Overpull: A downward force of 100,000 lbs is applied at the shoe along with the weight of the casing string utilizing the effects of buoyancy (9.0 ppg).

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720

District II 811 S. First St., Artesia, NM 88210 Phone:(575) 748-1283 Fax:(575) 748-9720

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

1220 S. St Francis Dr., Santa Fe, NM 87505 Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 113721

### **CONDITIONS**

Operator:	OGRID:
MATADOR PRODUCTION COMPANY	228937
One Lincoln Centre	Action Number:
Dallas, TX 75240	113721
	Action Type:
	[C-103] NOI Change of Plans (C-103A)

#### CONDITIONS

Created By	Condition	Condition Date
pkautz	PREVIOUS COA'S APPLY	6/7/2022