

Submit a Copy To Appropriate District:

Office

District I – (575) 393-6161
 1625 N. French Dr., Hobbs, NM 88240
 District II – (575) 748-1283
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 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

Form C-103
 Revised July 18, 2013

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

WELL API NO. 30-045-30238
5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No. EO35550001
7. Lease Name or Unit Agreement Name Shank Com
8. Well Number 2
9. OGRID Number 373495
10. Pool name or Wildcat Basin Fruitland Coal
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 6064' GL

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.)

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

2. Name of Operator

Mustang Resources LLC

3. Address of Operator

PO Box 13550, Bakersfield, CA 93389

4. Well Location

Unit Letter M: 865 feet from the South line and 810 feet from the West line
 Section 2 Township 26N Range 13W NMPM County San Juan

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

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☒
 TEMPORARILY ABANDON ☐ CHANGE PLANS ☐
 PULL OR ALTER CASING ☐ MULTIPLE COMPL ☐
 DOWNHOLE COMMINGLE ☐
 CLOSED-LOOP SYSTEM ☐
 OTHER: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐
 COMMENCE DRILLING OPNS. ☐ P AND A ☐
 CASING/CEMENT JOB ☐
 OTHER: ☐

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.

Mustang Resources LLC intends to Plug and Abandon the Shank Com 2 well, due to it's being un-economical. We will plug using the attached procedures, and Cement Calculations.

Spud Date:

Rig Release Date:

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

SIGNATURE Darlene Tadlock TITLE Production Technician DATE 12/19/23

Type or print name Darlene Tadlock E-mail address: dtadlock@vaqueroenergy.com PHONE: 505-860-6600

For State Use Only

APPROVED BY: _____ TITLE _____ DATE _____

Conditions of Approval (if any):

Company: Mustang Resources LLC
 Well Name: Shank Com 2
 API Number: 30-045-30238
 Location: 865' FSL, 810' FWL, Sec 2, T26N, R13W (M)
 County: San Juan, NM

Note: Follow all BLM/NMOCD Rules and Regulations.

4-1/2", 10.5# Capacity	0.0896 ft3/ft	2-3/8", 4.7# Capacity	0.0217 ft3/ft
J-55	0.0159 bbl/ft		0.00390 bbl/ft
ID	4.052 Inches		1.995 Inches

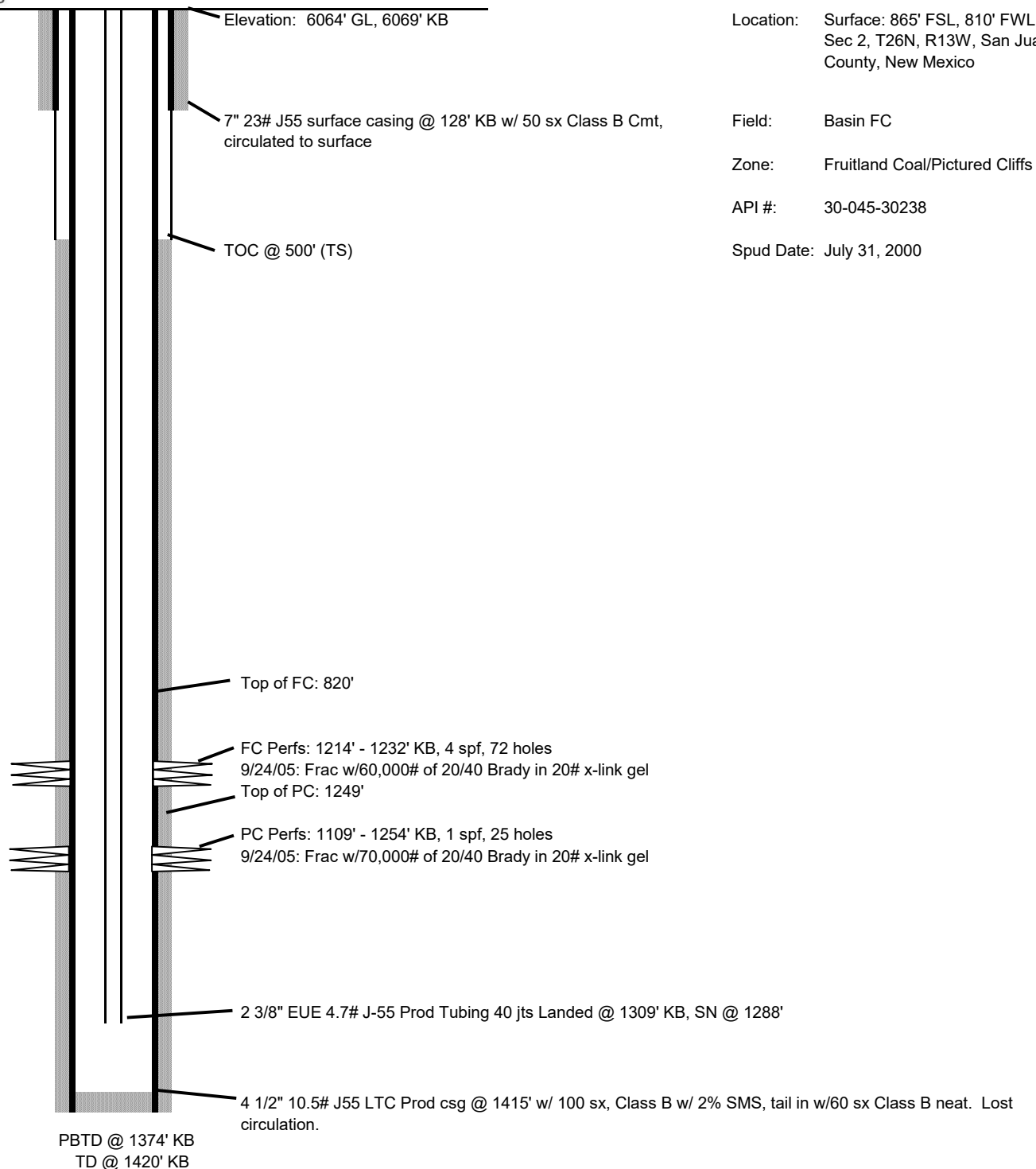
Step Description

Proposed P&A Procedure

- 1 Back drag & clean location for crew & rig safety. Test anchors if needed, arrange for H2O on site
 - 2 Prior to rig, verify wellhead connections for any flanges and BOPE necessary.
 - 3 **Notify NMOCD/BLM 24 hours before commencing P&A operations**
 - 4 MIRU well service rig and associated P&A equipment
 - 5 Bleed pressure from well to tank (well has very little pressure)
 - 6 Pull Rods laying down
 - 7 ND WH & NU BOP
 - 8 Pull 2-3/8" Tubing (lay down any bad joints)
 - 9 Ensure there is enough 2-3/8" workstring to complete job
 - 10 TIH with 4.5" 10.5# casing scraper to 1260' w/2-3/8" tubing (use new workstring as needed)
 - 11 TOH with 4.5" casing scraper
 - 12 TIH with 4.5" Cement Retainer (CR) w/2-3/8" tubing and Set @ 1180' KB
 - 13 Establish rate into the Fruitland Coal and Pictured Cliff perms to ensure cement can be pumped
 - 14 Sting out of CR and pull up hole to 1175' and circulate casing full with fresh water
 - 15 Close Pipe Rams and pressure test casing to 660# for 30 minutes
 - 16 **NOTE:** Wilson Wireline ran Temp Survey on 8/5/2000, determined TOC at 500'
 - 17 If pressure test is good, proceed, if does not pass, must wait a min of 4 hours & tag cmt tops
 - 18 TOH Tubing
 - 19 **Run CBL from 1180' KB (CR) to surface**
 - 20 TIH Tubing & Sting back into CR at 1180' and begin plug 1
- Plug 1: Fruitland Coal & Pictured Cliff Perfs 1214' - 1254', CICR and Cap. With CICR set at 1180' KB, Sting in w/tbg and pump 10.22 sxs, (14 ft3, 2.49 bbls) cement, includes 100% excess. Sting out and place balanced plug with 30.66 sxs, (42 ft3, 7.48 bbls) cement, includes 50' excess. TOH tubing**
- 21
 - 22 If CBL shows cement behind pipe above CICR then no tag required.
 - 24 TIH Tbg to 561' KB
 - 26 Fill hole with water. Prepare wireline for RU after 50' balanced plug is pumped to perf holes.
 - 27 ***Adjust perf holes based on CBL results***
- Plug 2: Kirtland Shale 511' and Ojo Alamo 214', With tbg @ 561' KB, pump 5.47 sxs (4 ft3, .97 bbls) to raise inside casing cement to match 500' annulus cement top and TOH. RIH with wireline and perf @ 500'KB. TIH with tubing to 500' and pump 76 SXS (105 ft3, 18.72 bbls) to surface or until surface returns are seen. Includes 100% excess in OH to raise annulus cement to surface. Shut in bradenhead to pump inside of 4.5" to surface. With tubing at 500', pump 40.15 SXS (55 ft3, 9.8 bbls) to surface until surface returns are seen.**
- 28
 - 29
 - 30 TOH Tbg. WOC for a minimum of 4 hours
 - 31 After WOC, ND BOP and dig out cellar
 - 32 Cut off WH, measure TOC in both strings, Weld Permanent P&A Marker to BLM Specs
- Plug 3: WOC 4 hours, cut off wellhead, measure cement tops, weld permanent marker to BLM Specs and Top Off Casing Strings. Will included 2 bbls cement in cellar.**
- 33
 - 34 RD and move off location

Shank Com 2

Revised 6-13-19

IG
ES

Original Sketch

Proposed PxA Calculations

Proposed P&A Well Calculations

OH/Casing/Tubing Details

4.5", 10.5#	Capacity	0.0896 ft3/ft	2-3/8", 4.7#	Capacity	0.0217 ft3/ft
J-55		0.0159 bbl/ft			0.0039 bbl/ft
	ID	4.052 Inches		drift	1.995 Inches
				Landed @	feet KB

NOTE: Each Cement Job required to place cement as follows

1. OD of pipe 50' below and 50' above Formation Top with 100% excess
2. ID of pipe 50' below and 50' above Formation Top with 50' excess
3. ALL cement will be Type III, Density 14.6 ppg and Yield 1.37 cf/sx

Open Hole/Casing Details

Capacity Between 6-1/4" OH & 4.5" Casing	0.1026 ft3/ft	1 BBL =	5.614 ft3
	0.0183 bbl/ft	1 ft3 =	0.1781 bbl
	9.7460 ft/ft3		
Capacity between 7" Csg & 4.5" Csg			
7", 23#	0.1106 ft3/ft		
7" ID = 6.3660"	0.0197 bbl/ft		
	9.0426 ft/ft3		

FC Perfs, PC Perfs , CICR Cap & FC Top	FC Top Perf	1214	ft	FC Formation Top	745	ft
CR @ 1180	Cement Top	695		485	feet plus 50' excess	
Below CICR to Perfs			sxs	Inside Pipe Capacity		
Bottom PC Perf @	1254	Feet below CR	74			
sxs	4.84	ft3	6.63	31.72	ft3	43.456
	4.84	ft3	6.63	3.27	ft3	4.48
		ft3	13.26		ft3	47.936
		ft3	14		ft3	48
		bbls	2.49		bbls	8.55
BELOW CR	SXS	10.22	ABOVE	SXS	35.04	Total Sxs Cement
Total Sxs Cement			45.26			

Plug 1: FC & PC Perfs 1214' - 1254', CICR and Cap. With CICR set at 1180' KB, Sting in w/tbg and pump 10.22 sxs, (14 ft3, 2.49 bbls) cement, includes 100% excess. Sting out and place balanced plug with 35 sxs, (48 ft3, 7.48 bbls) cement, includes 50' excess. TOH tubing

Plug 2:	Kirtland Shale and Ojo Alamo	Formation Tops		Kirtland 511	ft
	Cmt Plug Btm 1	561	Cement Top 1	500	
	Behind 4.5" Casing and 6.25" OH				
	61				feet plus 50' excess
	Inside 4.5" Casing Capacity Plug 1 & 2				
Casing Perf Depth	500	TOC	128	372	OH Ft
ft3	38.17	4.5" and 6 1/4" OH		sxs	
ft3	14.16	4.5" to 7" Casing		4.0	ft3
ft3	52.32	100% excess OH		32.7	ft3
ft3	105	Total ft3		3.3	ft3
ft3	105.00	Rounded up ft3			ft3
bbls	18.70	Total bbls			ft3
SXS	76.6423358	Total SXS Cement			bbls
					9.80
					SXS
					40.15
					Total SXS Cement

Plug 2: Kirtland Shale 511' and Ojo Alamo 214', With tbg @ 561' KB, pump 5.47 sxs (4 ft3, .97 bbls) to raise inside casing cement to match 500' annulus cement top and TOH. RIH with wireline and perf @ 500' KB. TIH with tubing to 500' and pump 76 SXS (105 ft3, 18.72 bbls) to surface or until surface returns are seen. Includes 100% excess in OH to raise annulus cement to surface. Shut in bradenhead to pump inside of 4.5" to surface. With tubing at 500', pump 40.15 SXS (55 ft3, 9.8 bbls) to surface until surface returns are seen.

Top off Casing String				
Tag Annulus@		Tag 4.5"@		ft
Top off Casing Strings				
ft3	0	Annulus Top Off		
ft3	0	4.5" Top Off		
ft3	0	Total ft3		
ft3		Rounded up ft3		
ft3	11.3	Cement To Fill Cellar		
bbls	2.00	Total bbls		
SXS	8.21	Total SXS Cement		
Total Sxs Cement			8.21	

Plug 3: WOC 4 hours, cut off wellhead, measure cement tops, weld permanent marker to BLM Specs and Top Off Casing Strings. Will included 2 bbls cement in cellar.

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/ocd/contact-us>

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

CONDITIONS

Action 490471

CONDITIONS

Operator: Mustang Resources LLC PO Box 56647 Houston, TX 77256	OGRID: 373495
	Action Number: 490471
	Action Type: [C-103] NOI Plug & Abandon (C-103F)

CONDITIONS

Created By	Condition	Condition Date
loren.diede	This approval from NMOCD is made based on the revision of the previously submitted P&A NOI. Previous dated 12-19-2023. This revision is dated 7-30-2025.	8/4/2025
loren.diede	Notify the OCD inspection supervisor via email 24 hours prior to beginning Plug & Abandon (P&A) operations.	8/4/2025
loren.diede	A Cement Bond Log (CBL) is required to be submitted to electronic permitting.	8/4/2025
loren.diede	Regardless of casing pressure test the first plug above the CR @1180' will need to be tagged. (any plug placed above an isolation tool, either CIBP or CR must be tagged, whether the casing has passed a PT or not).	8/4/2025
loren.diede	This well is on Indian surface, so all surface issues will in accordance with BLM, Tribal or surface owners.	8/4/2025