

Well Name: WOOLWORTH RANCH	Well Location: T24S / R35E / SEC 4 / NWSE / 32.244724 / -103.370375	County or Parish/State: LEA / NM
Well Number: 01	Type of Well: CONVENTIONAL GAS WELL	Allottee or Tribe Name:
Lease Number: NMNM8447	Unit or CA Name: WOOLWORTH RANCH	Unit or CA Number: NMNM72434
US Well Number: 3002526180	Well Status: Producing Gas Well	Operator: FRANKLIN MOUNTAIN ENERGY LLC

Notice of Intent

Sundry ID: 2667785

Type of Submission: Notice of Intent

Date Sundry Submitted: 04/20/2022

Date proposed operation will begin: 06/01/2022

Type of Action: Plug and Abandonment

Time Sundry Submitted: 10:06

Procedure Description: Franklin Mountain Energy, LLC (FME), Operator, respectfully requests approval to plug and abandon the Woolworth Ranch #1 (API: 30-025-26180) per the attached procedure.

Surface Disturbance

Is any additional surface disturbance proposed?: No

NOI Attachments

Procedure Description

Woolworth_1H_BLM_PA_Submission_Procedure_20220420100638.pdf

Accepted for Record Only

SUBJECT TO LIKE
APPROVAL BY BLM

X 7

NMOCD 6/15/22

Received by OCD: 5/9/2022 1:08:13 PM

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Conditions of Approval

Specialist Review

WOOLWORTH_RANCH_01__2667785__COA_AND_PROCEDURE_20220507092724.pdf

Operator

I certify that the foregoing is true and correct. 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. Electronic submission of Sundry Notices through this system satisfies regulations requiring a

Operator Electronic Signature: RACHAEL OVERBEY	Signed on: APR 20, 2022 10:06 AM
Name: FRANKLIN MOUNTAIN ENERGY LLC	
Title: Director – Operations Planning and Regulatory	
Street Address: 2401 E 2nd Avenue, Suite 300	
City: Denver	State: CO
Phone: (720) 414-7868	
Email address: roverbey@fmellc.com	

Field

Representative Name:		
Street Address:		
City:	State:	Zip:
Phone:		
Email address:		

BLM Point of Contact

BLM POC Name: KEITH P IMMATTY	BLM POC Title: ENGINEER
BLM POC Phone: 5759884722	BLM POC Email Address: KIMMATTY@BLM.GOV
Disposition: Approved	Disposition Date: 05/07/2022
Signature: Keith Immatty	



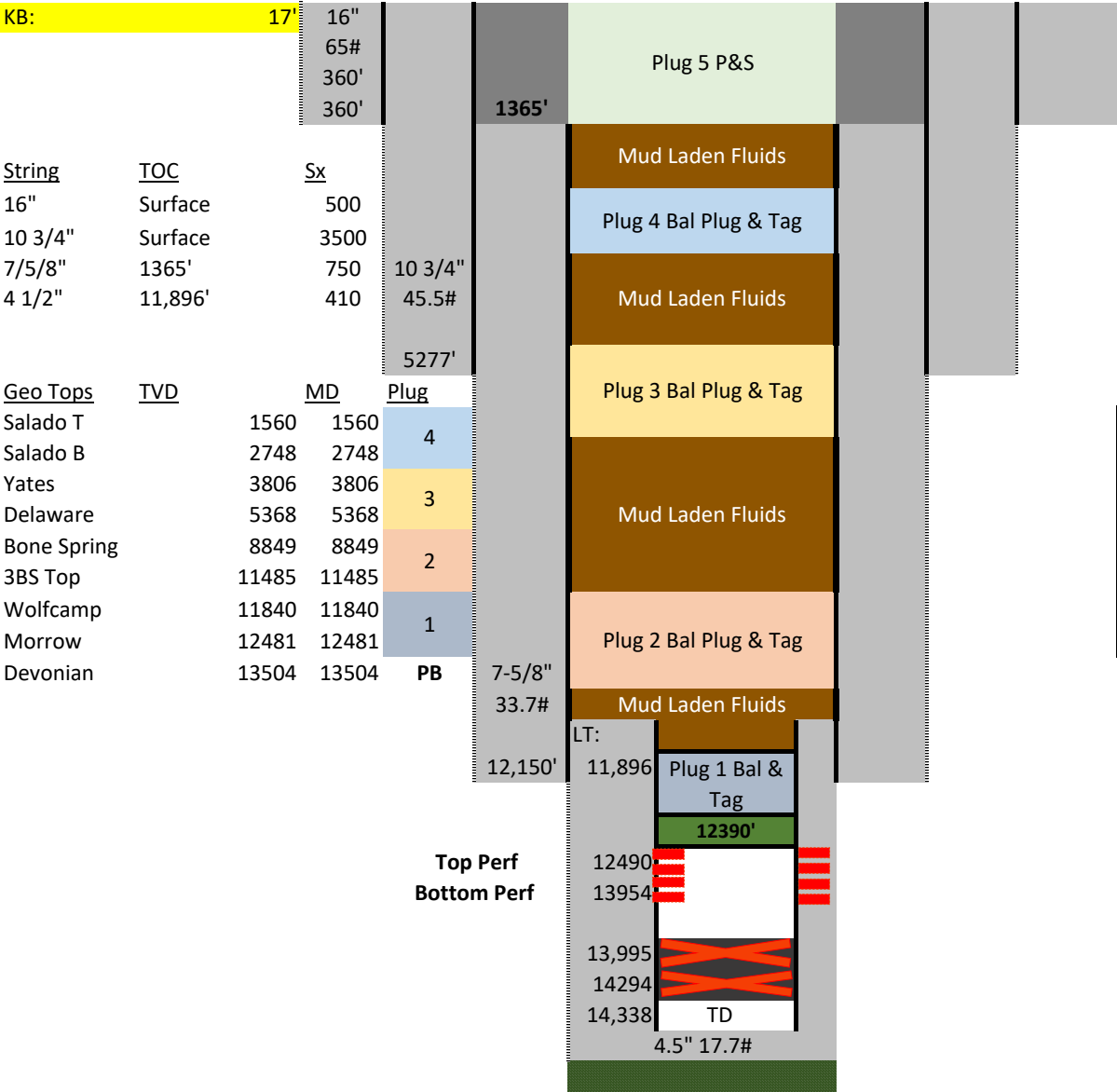
4/18/2022

Engineer: Cory McCoy
Cell: 417-300-0381

PLUG AND ABANDONMENT PROCEDURE

Woolworth Ranch 1H

Step	Description of Work
1	Note: Production Liner = 4.5"OD 17.7#/ft P-110. See WBD for full casing design. All depths are measured depth. See gyro for corresponding TVD. Production Casing = 7 5/8" 33.7#
2	Provide required notice to regulatory agencies (BLM Lea county office: call 575-393-3612 & NMOCD) 24 hours prior to commencing any plugging operations. Contact Operations Superintendent or lead operator at least 24 hr prior to rig move. Request they confirm location is clean and ready to accept rig.
3	Prepare location for base beam equipped rig. MIRU rental 2-3/8" tubing string (approximately 12,500').
4	MIRU, monitor pressure on well. If any pressure present, call engineer. ND WH. NU 5M BOP. Unseat landing jt, LD.
5	MIRU WL. Run GR/JB run to ensure 4.5" pipe clear of damage and debris. RIH w/ 4.5" CIBP to 12,390'. Set CIBP.
6	POOH with Baker 10 tool. Place 62 sx of Class H cement on top of CIBP. Can either dump bail or pump balance plug using tubing
7	TIH with 2-3/8" tubing to 11800'. Tag Plug. Roll the hole clean with mud laden fuils. Appox. 583 bbls
8	TOOH sideways 265' to 11535'. RUWL & PU 1 x 1' 3-1/8" perf guns w/ 3 spf, 0.5" dia 120 deg phasing (only need to perforate 7 5/8" casing). Shoot 1' of squeeze holes at 11535'. Attempt to establish injection. If injection is established, plan to pump P&S job. If no injection, pump balanced plug of 644 sx of class H cement. TOOH ~ 2800' allowing the balance plug to set. WOC for 4 hrs. Tag plug at 8800'.
9	TOOH sideways to 5818'. RUWL & PU 1 x 1' 3-1/8" perf guns w/ 3 spf, 0.5" dia 120 deg phasing (only need to perforate 7 5/8" casing). Shoot 1' of squeeze holes at 5818'. Attempt to establish injection. If injection is established, plan to pump P&S job. If no injection, pump balanced plug of 487 sx of class H cement. TOOH ~2100' allowing the balanced plug to set. WOC 4hrs. TIH and tag plug at 3750'
10	TOOH sideways to 2798'. RUWL & PU 1 x 1' 3-1/8" perf guns w/ 3 spf, 0.5" dia 120 deg phasing (only need to perforate 7 5/8" casing). Shoot 1' of squeeze holes at 2798'. Attempt to establish injection. If injection is established, plan to pump P&S job. If no injection, Pump balanced plug of 306 sx of class C cement. TOOH ~1300' allowing the balanced plug to set. WOC 4hrs. TIH and tag plug at 1500'
11	TOOH to 1365'
12	RUWL & PU 1 x 1' 3-1/8" perf guns w/ 3 spf, 0.5" dia 120 deg phasing (only need to perforate 7 5/8" casing). RIH thru tubing and shoot 1' of squeeze holes at 1365'. POOH WL.
13	If able to inject, squeeze 494 sx of class C cement. Taking returns through the 10 3/4" by 7 5/8" annulus. Shut valve. Open tubing head casing valve and continue pumping the remaining volume as a balanced plug in the 7 5/8" casing until TOC is at surface
14	If unable to inject, RIH 2-3/8" tubing and place 321 sx class C cement balanced plug from 1370' to surface inside of 7 5/8" casing. TOOH to 150' from surface and clear tubing and annulus of cement. WOC 4 hrs. Tag cement. Cement is required across all strings of casing 100' from surface. - RUWL & PU 1 x 1' 3-1/8" perf guns w/ 3 spf, 0.5" dia 120 deg phasing (only need to perforate 7 5/8" casing - ensure perfs won't perf 10 3/4" casing). Shoot 1' of squeeze holes at 150'. - RIH w/ 2-3/8" tubing and attempt 25 sx class C cement squeeze. POOH to surface and clear tubing and annulus of cement. WOC 4 hr. Tag cement. LD tubing.
15	Instruct cementing and wireline contractors to e-mail copies of all job logs/job summaries and invoices to cmccoy@fmellc.com and mark@fmellc.com within 24 hrs of the completion of the job.
16	Supervisor save all invoices, logs, and reports to well file on cloud file storage drive.
17	Excavation crew to notify One Call to clear excavation area around wellhead and for flowlines.
18	Excavate hole around surface casing enough to allow welder to cut remaining casing strings to bottom of cellar or 3' below ground level (whichever is deeper). BLM is to be notified minimum of 4 hours prior to wellhead being cut off to verify that cement is to surface in the casing and all anuluses. Wellhead cut shall commence within ten (10) calendar days of the well being plugged. Cap well 1/4" steel plate. Leave weep hole.
19	MIRU ready cement mixer. Use 4500 psi compressive strength cement, (NO gravel) fill stubout and 7-5/8" / 10-3/4" annulus to surface. .
20	Spot weld on steel marker plate. Marker should contain Well name, Well number, name of the operator, lease serial number, surveyed location (1/4 1/4 section, section, township, and range) and API number.
21	Properly abandon flowlines.
22	Back fill hole with fill. Clean location, level.
23	Within 30 days after plugging work is completed, file four copies (one original & three copies) of the Subsequent Report of Abandonment, Form 3160-5, to the BLM. Report should give in detail the manner in which the plugging work was carried out, the extent (by depths) of cement plugs placed, and the size and location (by depths) of casing left in the well. Show date well was plugged. Submit required regulatory filings to the NMOCD.
24	Clean location of any trash, junk, and other waste material.



Well Name: Woolworth Ranch #1

Pad Name: Woolworth Ranch Unit

Latitude: 32.24472397

Longitude: -103.3703747

API 14 Digit: 300252618000

AFE:

Color Legend

Old Cement

New Cement

Contingency Balanced Plug

Residual Drilling Solids

Mud Laden Fluids

Cast Iron Bridge Plug

Plug Back

Plug Details					Min Req (ALL DEPTHS MD)				Squeeze/Balanced Plug				Balanced Plug				P2P ft	Cem
Plug #	Type	Depth	TOC Min	Length	sx	bbl	TOC Calc	Length	sx	bbl	TOC Calc	Length	sx	bbl	TOC Calc	Length		
1	CIBP/Bal	12,390'	11,800'	590'	62	11.6	11,800'	590'	62	11.6	11,800'	590'						H
2	Bal Plug	11,535'	8,800'	2735'	1232	232.5	8,800'	2,735'	644	121.6	8,800'	2735'	265'					H
3	Bal Plug	5,818'	3,750'	2068'	748	175.8	3,750'	2068'	487	114.5	3,750'	2068'	2,982'					C
4	Bal Plug	2,798'	1,500'	1298'	469	110.4	1,500'	1,298'	306	71.9	1,500'	1298'	952'					C
5	P&S	1,365'	000'	1365'	494	116.1	000'	1,365'	321	75.569	0'	1,365'	135'					C
				0'	0	0.0	000'	000'	0	0	0'	000'	000'					C

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
District IV
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

COMMENTS

Action 105308

COMMENTS

Operator: Franklin Mountain Energy LLC 44 Cook Street Denver, CO 80206	OGRID: 373910
	Action Number: 105308
	Action Type: [C-103] NOI Plug & Abandon (C-103F)

COMMENTS

Created By	Comment	Comment Date
plmartinez	DATA ENTRY PM	6/16/2022

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
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	Action Number: 105308
	Action Type: [C-103] NOI Plug & Abandon (C-103F)

CONDITIONS

Created By	Condition	Condition Date
kfortner	Like approval from BLM	6/15/2022