

Well Name: COAL TRAIN FEDERAL COM	Well Location: T17S / R28E / SEC 10 / SWSW /	County or Parish/State: EDDY / NM
Well Number: 1	Type of Well: CONVENTIONAL GAS WELL	Allottee or Tribe Name:
Lease Number: NMNM012896	Unit or CA Name: COAL TRAIN FED COM 1	Unit or CA Number: NMNM132224
US Well Number: 3001530764	Well Status: Producing Gas Well	Operator: SPUR ENERGY PARTNERS LLC

Accepted for record – NMOCD gc 12/8/2022

Notice of Intent

Sundry ID: 2699976

Type of Submission: Notice of Intent	Type of Action: Plug and Abandonment
Date Sundry Submitted: 10/27/2022	Time Sundry Submitted: 11:24
Date proposed operation will begin: 11/10/2022	

Procedure Description: Please find proposed P&A procedure and WBDs attached for your review. Thank you.

Surface Disturbance

Is any additional surface disturbance proposed?: No

NOI Attachments

Procedure Description

- Coal_Train_Fed_Com_1_WBD_20221027112358.pdf
- Coal_Train_Fed_Com_1_P_A_Procedure_20221027112358.pdf

Received by OCD: 12/5/2022 10:20:53 AM

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Conditions of Approval

Specialist Review

Coal_Train_Federal_Com_1_Sundry_ID_2699976_P_A_20221204095247.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: SARAH CHAPMAN	Signed on: OCT 27, 2022 11:24 AM
Name: SPUR ENERGY PARTNERS LLC	
Title: Regulatory Directory	
Street Address: 9655 KATY FREEWAY, SUITE 500	
City: Houston	State: TX
Phone: (832) 930-8613	
Email address: SCHAPMAN@SPUREPLLC.COM	

Field

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

BLM Point of Contact

BLM POC Name: LONG VO	BLM POC Title: Petroleum Engineer
BLM POC Phone: 5752345972	BLM POC Email Address: LVO@BLM.GOV
Disposition: Approved	Disposition Date: 12/04/2022
Signature: Long Vo	

Coal Train Federal Com #1 P&A Procedure

1. Set CIBP @ 9770'. Pressure test casing to 500 psi for 30 minutes. Spot 25 sx of Class H from 9770'-9589'. WOC & tag.
2. Spot 25 sx of class C from 6830'-6662'. (T/Wolfcamp)
3. Perf at 5355' and 5510'. Establish injectivity with a maximum pressure of 2500 psi and less than 70% of burst. Determine frac pressure for injectivity, pump rate and pressure. Set Cement retainer 50' above the lower perf. Establish circulation between perfs until clean returns. Sting out and circulate at top of retainer until clean returns. Sting back in retainer and circulate until clean returns. Circulate cement between perfs (5+21 sxs), if formation taking fluid pump additional cement. Squeeze below frac pressure. Sting out and spot 25 sxs on top of retainer. Pull up to 5000' and Reverse clean tubing before WOC to prevent stuck tubing. (51 sxs Class C) Tag at 5207'. (Abo)
4. Spot 25 sx of class C from 4038'-3898'. WOC & Tag. (DV tool)
5. Spot cement from 3352' to 3218'. Class C 25 sxs (Glorietta)
6. Spot cement from 2128' to 2007'. WOC & Tag. (8-5/8" shoe) WOC and Tag. 25 sxs Class C.
7. Perf @ 487' and sqz 71 sx of class C from 487' to surface. Spot cement from 487' to surface 49 sxs. (TOC behind 5-1/2") (In 49 sxs/Out 71 sxs) (Yates, Base of Salt, Top of Salt, surface plug.)
8. Verify cmt to surface, cut off wellhead, weld on dryhole marker

API #	30-015-30764	Coal Train Federal Com #1	County, ST	Eddy County, NM
Operator	Spur Energy Partners		Sec-Twn-Rng	10-17S-28E
Field	Crow Flats; Morrow SE (G)		Footage	660 FSL 990 FWL
Spud Date	1/14/2000		Survey	32.8435326 -104.1694412

Formation (MD)	
San Andres	1953
Glorieta	3420
Abo	5398
Wolfcamp	7414
Penn	7800
Cisco	8098
Strawn	8700
Atoka	9400
Morrow	9647

RKB	
GL	3530'

Hole Size	17-1/2"
TOC	Surface
Method	circ 100 sx

Csg Depth	426'
Size	13-3/8"
Weight	48#
Grade	H-40
Connections	
Cement	450 sx

Formation Tops based on offset Cannon Ball 9 State Com #1

Tubing Detail				
Jts	Size	Depth	Length	Detail
300	2-7/8"	9848	9848	2-7/8" Tubing
1	5-1/2"	9853	5	5-1/2" x 2-7/8" Packer

Rod Detail				
Rods	Size	Depth	Length	Guides

Hole Size	11"
TOC	Surface
Method	Circ 56 sx

Csg Depth	2078'
Size	8-5/8"
Weight	24#
Grade	J-55
Connections	
Cement	650 sx

DV tool @ 3988'

Last Update	10/27/2022
By	RCB

PBTD	10,141'
TD MD	10,200'
TD TVD	10,200'

Hole Size	7-7/8"
TOC	5450' & 1660'
Method	CBL

Csg Depth	10,200'
Size	5-1/2"
Weight	17#
Grade	N-80
Connections	
Cement	1350 sx

Perforations
9870'-9899'

API #	30-015-30764	Coal Train Federal Com #1	County, ST	Eddy County, NM
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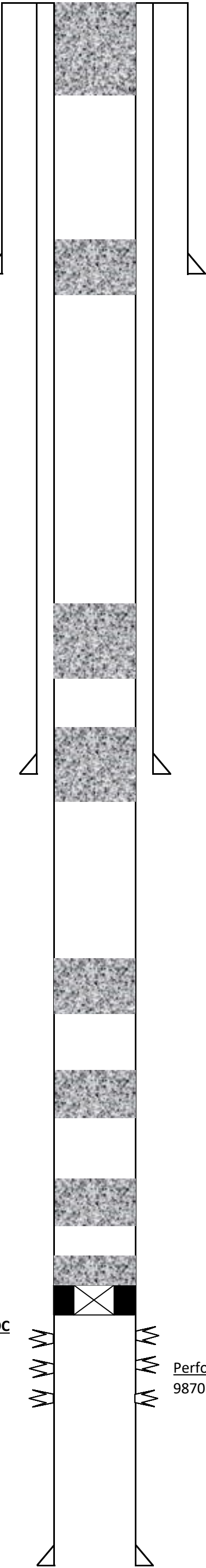
Last Update	10/27/2022
By	RCB

PBTD	10,141'
TD MD	10,200'
TD TVD	10,200'

Hole Size	7-7/8"
TOC	5450' & 1660'
Method	CBL

Two stage cement job w/ different TOC

Csg Depth	10,200'
Size	5-1/2"
Weight	17#
Grade	N-80
Connections	
Cement	1350 sx



P&A Procedure

1. Set CIBP @ 9770'. Pressure test casing to 500 psi for 30 minutes. Spot 25 sx of Class H from 9770'-9670'. WOC & tag.
2. Spot 25 sx of class C from 7464'-7364'. (T/Wolfcamp)
3. Perf @5448' and sqz 42 sx of Class C from 5448'-5348'. WOC & tag. (T/Abo & TOC behind 5-1/2")
4. Spot 25 sx of class C from 4038'-3938'. WOC & Tag. (DV tool)
5. Perf @ 2128' and sqz 44 sx of class C from 2128'-2028'. WOC & Tag. (8-5/8" shoe)
6. Perf @ 1710' and sqz 45 sx of class C from 1710'-1610'. WOC & Tag. (TOC behind 5-1/2")
7. Perf @ 476' and sqz 45 sx of class C from 476'-376'. WOC & Tag. (13-3/8" shoe)
8. Perf @100' and sqz 45 sx of class C from 100'-surface.
9. Verify cmt to surface, cut off wellhead, weld on dryhole marker

Approval Subject to
General Requirements and
Special Stipulations
Attached

Sundry ID 2699976

Plug Type	Top	Bottom	Length	Tag	Sacks	Notes
Surface Plug	0.00	100.00	100.00	Tag/Verify		
Top of Salt @ 210	157.90	260.00	102.10	Tag/Verify		
Base of Salt @ 309	255.91	359.00	103.09	Tag/Verify		
Shoe Plug	371.74	476.00	104.26	Tag/Verify		
Yates @ 437	382.63	487.00	104.37	If solid base no need to Tag (CIBP present and/or Mechanical Integrity Test), If Perf & Sqz then Tag, Leak Test all CIBP if no Open Perforations	120.00	Perf and squeeze at 487' to surface. Verify at surface. (In 49 sxs/Out 71 sxs)
Shoe Plug	2007.22	2128.00	120.78	Tag/Verify	25.00	Spot cement from 2128' to 2007'. Class C. WOC and Tag.

				If solid base no need to Tag (CIBP present and/or Mechanical Integrity Test), If Perf & Sqz then Tag, Leak Test all CIBP if no Open Perforations		
Glorieta @ 3302	3218.98	3352.00	133.02		25.00	Spot cement from 3352' to 3218'. Class C.
DV tool plug	3898.12	4038.00	139.88	Tag/Verify	25.00	Spot cement from 4038' to 3898'. WOC and Tag. Class C.

						Perf at 5355' and 5510'. Establish injectivity max 2500 psi and less than 70% of burst. Determine frac pressure for injectivity, pump rate and pressure. Set Cement retainer 50' above the lower perf. Establish circulation between perfs until clean returns. Sting out and circulate at top of retainer until clean returns. Sting back in retainer and circulate until clean returns. Circulate cement between perfs, if formation taking fluid pump more cement. Squeeze below frac pressure. Sting out and spot 25 sxs on top of retainer. Pull up to 5000' and Reverse clean tubing before WOC.
ABO in Plateform Shelf @ 5460	5355.40	5510.00	154.60	If solid base no need to Tag (CIBP present and/or Mechanical Integrity Test), If Perf & Sqz then Tag, Leak Test all CIBP if no Open Perforations	51.00	
Wolfcamp @ 6780	6662.20	6830.00	167.80	If solid base no need to Tag (CIBP present and/or Mechanical Integrity Test), If Perf & Sqz then Tag, Leak Test all CIBP if no Open Perforations	25.00	Spot cement from 6830' to 6662'.

				If solid base no need to Tag (CIBP present and/or Mechanical Integrity Test), If Perf & Sqz then Tag, Leak Test all CIBP if no Open Perforations		
Morrow @ 9737	9589.63	9787.00	197.37			
Perforations Plug (If No CIBP)	9727.24	9926.00	198.76	Tag/Verify		
				If solid base no need to Tag (CIBP present and/or Mechanical Integrity Test), If Perf & Sqz then Tag, Leak Test all CIBP if no Open Perforations		
CIBP Plug	9735.00	9770.00	35.00		25.00	Set CIBP at 9770'. Leak Test CIBP. Spot cement from 9770' to 9589'.
Perforations Plug (If No CIBP)	9750.01	9949.00	198.99	Tag/Verify		
Shoe Plug	10048.00	10250.00	202.00	Tag/Verify		

No more than 2000' is to be allowed between plugs in open hole, and no more than 3000' between plugs in cased hole.

Class H >7500'

Class C <7500'

Fluid used to mix the cement in R111P shall be saturated with the salts common to the section penetrated, and in suitable proportions, but not more than 3% calcium chloride by weight of cement will be considered the desired mixture whenever possible.

Medium, Secretary: Top of salt to surface If no salt take the deepest fresh water or Karst Depth

High, Critical: Bottom of Karst to surface or Deepest fresh water, whichever is greater

R111P: 50 Feet from Base of Salt to surface.

Class C: 1.32 ft³/sx

Class H: 1.06 ft³/sx

Onshore Order 2.III.G Drilling Abandonment Requirements: "All formations bearing usable-quality water, oil, gas, or geothermal resources, and/or a prospectively valuable deposit of minerals shall be protected.

Cave Karst/Potash Cement	Low		
Shoe @	426.00		
Shoe @	2078.00		
Shoe @	10200.00	TOC @	1660' and
Perforatons Top @	9870.00	Perforations	9876.00
Perforatons Top @	9895.00	Perforations	9899.00
DV Tool @	3988.00	CIBP @	9770.00

**BUREAU OF LAND MANAGEMENT
Carlsbad Field Office
620 East Greene Street
Carlsbad, New Mexico 88220
575-234-5972**

**Permanent Abandonment of Federal Wells
Conditions of Approval**

Failure to comply with the following Conditions of Approval may result in a Notice of Incidents of Noncompliance (INC) in accordance with 43 CFR 3163.1.

1. Plugging operations shall commence within **ninety (90)** days from the approval date of this Notice of Intent to Abandon.

If you are unable to plug the well by the 90th day provide this office, prior to the 90th day, with the reason for not meeting the deadline and a date when we can expect the well to be plugged. Failure to do so will result in enforcement action.

The rig used for the plugging procedure cannot be released and moved off without the prior approval of the authorized officer. Failure to do so may result in enforcement action.

2. **Notification:** Contact the appropriate BLM office at least 24 hours prior to the commencing of any plugging operations. For wells in Chaves and Roosevelt County, call 575-627-0272; Eddy County, call 575-361-2822; Lea County, call 575-689-5981.

3. **Blowout Preventers:** A blowout preventer (BOP), as appropriate, shall be installed before commencing any plugging operation. The BOP must be installed and maintained as per API and manufacturer recommendations. The minimum BOP requirement is a 2M system for a well not deeper than 9,090 feet; a 3M system for a well not deeper than 13,636 feet; and a 5M system for a well not deeper than 22,727 feet.

4. **Mud Requirement:** Mud shall be placed between all plugs. Minimum consistency of plugging mud shall be obtained by mixing at the rate of 25 sacks (50 pounds each) of gel per 100 barrels of brine water. Minimum nine (9) pounds per gallon.

5. **Cement Requirement:** Sufficient cement shall be used to bring any required plug to the specified depth and length. Any given cement volumes on the proposed plugging procedure are merely estimates and are not final. Unless specific approval is received, no plug except the surface plug shall be less than 25 sacks of cement. Any plug that requires a tag will have a minimum WOC time of 4 hours.

In lieu of a cement plug across perforations in a cased hole (not for any other plugs), a bridge plug set within 50 feet to 100 feet above the perforations shall be capped with 25 sacks of cement. If a bailer is used to cap this plug, 35 feet of cement shall be sufficient. **Before pumping or bailing cement on top of CIBP, tag will be required to verify depth. Based on depth, a tag of the cement may be deemed necessary.**

Unless otherwise specified in the approved procedure, the cement plug shall consist of either Neat Class "C", for up to 7,500 feet of depth or Neat Class "H", for deeper than 7,500 feet plugs.

6. Dry Hole Marker: All casing shall be cut-off at the base of the cellar or 3 feet below final restored ground level (whichever is deeper). **The BLM is to be notified a minimum of 4 hours prior to the wellhead being cut off to verify that cement is to surface in the casing and all annuluses. Wellhead cut off shall commence within ten (10) calendar days of the well being plugged. If the cut off cannot be done by the 10th day, the BLM is to be contacted with justification to receive an extension for completing the cut off.**

The well bore shall then be capped with a 4-inch pipe, 10-feet in length, 4 feet above ground and embedded in cement, unless otherwise noted in COA (requirements will be attached). The following information shall be permanently inscribed on the dry hole marker: well name and number, name of the operator, lease serial number, surveyed location (quarter-quarter section, section, township and range or other authorized survey designation acceptable to the authorized officer such as metes and bounds). A weep hole shall be left if a metal plate is welded in place.

7. Subsequent Plugging Reporting: Within 30 days after plugging work is completed, file one original and three copies of the Subsequent Report of Abandonment, Form 3160-5 to BLM. The 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.**

8. Trash: All trash, junk and other waste material shall be contained in trash cages or bins to prevent scattering and will be removed and deposited in an approved sanitary landfill. Burial on site is not permitted.

Following the submission and approval of the Subsequent Report of Abandonment, surface restoration will be required. See attached reclamation objectives.



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Carlsbad Field Office
620 E. Greene St.
Carlsbad, New Mexico 88220-6292
www.blm.gov/nm



In Reply Refer To: 1310

Reclamation Objectives and Procedures

Reclamation Objective: Oil and gas development is one of many uses of the public lands and resources. While development may have a short- or long-term effect on the land, successful reclamation can ensure the effect is not permanent. During the life of the development, all disturbed areas not needed for active support of production operations should undergo “interim” reclamation in order to minimize the environmental impacts of development on other resources and uses. At final abandonment, well locations, production facilities, and access roads must undergo “final” reclamation so that the character and productivity of the land and water are restored.

The long-term objective of final reclamation is to set the course for eventual ecosystem restoration, including the restoration of the natural vegetation community, hydrology, and wildlife habitats. In most cases this means returning the land to a condition approximating or equal to that which existed prior to the disturbance. The final goal of reclamation is to restore the character of the land and water to its pre-disturbance condition. The operator is generally not responsible for achieving full ecological restoration of the site. Instead, the operator must achieve the short-term stability, visual, hydrological, and productivity objectives of the surface management agency and take steps necessary to ensure that long-term objectives will be reached through natural processes.

To achieve these objectives, remove any/all contaminants, scrap/trash, equipment, pipelines and powerlines **(Contact service companies, allowing plenty of time to have the risers and power lines and poles removed prior to reclamation, don't wait till the last day and try to get them to remove infrastructure)**. Strip and remove caliche, contour the location to blend with the surrounding landscape, re-distribute the native soils, provide erosion control as needed, rip (across the slope and seed as specified in the original APD COA. **This will apply to well pads, facilities, and access roads.** Barricade access road at the starting point. If reserve pits have not reclaimed due to salts or other contaminants, submit a plan for approval, as to how you propose to provide adequate restoration of the pit area.

1. The Application for Permit to Drill or Reenter (APD, Form 3160-3), Surface Use Plan of Operations must include adequate measures for stabilization and reclamation of disturbed lands. Oil and Gas operators must plan for reclamation, both interim and final, up front in the APD process as per Onshore Oil and Gas Order No. 1.
2. For wells and/or access roads not having an approved plan, or an inadequate plan for surface reclamation (either interim or final reclamation), the operator must submit a proposal describing the procedures for reclamation. For interim reclamation, the appropriate time for submittal would be when filing the Well Completion or Recompletion Report and Log (Form 3160-4). For final reclamation, the appropriate time for submittal would be when filing the Notice of Intent, or the Subsequent Report of Abandonment, Sundry Notices and Reports on Wells (Form 3160-5). Interim reclamation is to be completed within 6 months of well completion, and final reclamation is to be completed within 6 months of well abandonment.
3. The operator must file a Subsequent Report Plug and Abandonment (Form 3160-5) following the plugging of a well.
4. Previous instruction had you waiting for a BLM specialist to inspect the location and provide you with reclamation requirements. If you have an approved Surface Use Plan of Operation and/or an approved Sundry Notice, you are free to proceed with reclamation as per approved APD. If you

- have issues or concerns, contact a BLM specialist to assist you. It would be in your interest to have a BLM specialist look at the location and access road prior to the removal of reclamation equipment to ensure that it meets BLM objectives. Upon conclusion submit a Form 3160-5, Subsequent Report of Reclamation. This will prompt a specialist to inspect the location to verify work was completed as per approved plans.
5. The approved Subsequent Report of Reclamation will be your notice that the native soils, contour and seedbed have been reestablished. If the BLM objectives have not been met the operator will be notified and corrective actions may be required.
 6. It is the responsibility of the operator to monitor these locations and/or access roads until such time as the operator feels that the BLM objective has been met. If after two growing seasons the location and/or access roads are not showing the potential for successful revegetation, additional actions may be needed. When you feel the BLM objectives have been met submit a Final Abandonment Notice (FAN), Form 3160-5, stating that all reclamation requirements have been achieved and the location and/or access road is ready for a final abandonment inspection.
 7. At this time the BLM specialist will inspect the location and/or access road. If the native soils and contour have been restored, and the revegetation is successful, the FAN will be approved, releasing the operator of any further liability of the location and/or access road. If the location and/or access road have not achieved the objective, you will be notified as to additional work needed or additional time being needed to achieve the objective.

If there are any questions, please feel free to contact any of the following specialists:

Jim Amos
Supervisory Petroleum Engineering Tech/Environmental Protection Specialist
575-234-5909 (Office), 575-361-2648 (Cell)

Arthur Arias
Environmental Protection Specialist
575-234-6230

Crisha Morgan
Environmental Protection Specialist
575-234-5987

Jose Martinez-Colon
Environmental Protection Specialist
575-234-5951

Mark Mattozzi
Environmental Protection Specialist
575-234-5713

Robert Duenas
Environmental Protection Specialist
575-234-2229

Trishia Bad Bear, Hobbs Field Station
Natural Resource Specialist
575-393-3612

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

CONDITIONS

Action 163730

CONDITIONS

Operator: Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	OGRID: 328947
	Action Number: 163730
	Action Type: [C-103] NOI Plug & Abandon (C-103F)

CONDITIONS

Created By	Condition	Condition Date
gcordero	None	12/8/2022