

Well Name: CK 6 FEDERAL	Well Location: T24S / R26E / SEC 6 / SWSE / 32.2400736 / -104.3300109	County or Parish/State: EDDY / NM
Well Number: 1	Type of Well: CONVENTIONAL GAS WELL	Allottee or Tribe Name:
Lease Number: NMNM15295	Unit or CA Name:	Unit or CA Number:
US Well Number: 300153600000S1	Operator: BREITBURN OPERATING LP	

Notice of Intent

Sundry ID: 2869899

Type of Submission: Notice of Intent	Type of Action: Plug and Abandonment
Date Sundry Submitted: 08/26/2025	Time Sundry Submitted: 12:28
Date proposed operation will begin: 09/01/2025	

Procedure Description: BOLP is respectfully submitting for your review the P&A plan for the CK 6 Federal. Please see attached P&A plan, Current WBD, and Proposed WBD. Thank you.

Surface Disturbance

Is any additional surface disturbance proposed?: No

NOI Attachments

Procedure Description

CK_Fed_6_001__PA_Procedure_20250826122744.pdf

Well Name: CK 6 FEDERAL

Well Location: T24S / R26E / SEC 6 / SWSE / 32.2400736 / -104.3300109

County or Parish/State: EDDY / NM

Well Number: 1

Type of Well: CONVENTIONAL GAS WELL

Allottee or Tribe Name:

Lease Number: NMNM15295

Unit or CA Name:

Unit or CA Number:

US Well Number: 300153600000S1

Operator: BREITBURN OPERATING LP

Conditions of Approval

Specialist Review

CK_6_Federal_1_Sundry_ID_2869899_P_A_20250828153200.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: ARBAZ HUSSAIN

Signed on: AUG 26, 2025 12:27 PM

Name: BREITBURN OPERATING LP

Title: Regulatory Analyst

Street Address: 1000 MAIN STREET STE 2900

City: HOUSTON

State: TX

Phone: (832) 589-5181

Email address: AHUSSAIN@DGOC.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: 5759885402

BLM POC Email Address: LVO@BLM.GOV

Disposition: Approved

Disposition Date: 08/28/2025

Signature: Long Vo

Form 3160-5
(October 2024)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0220
Expires: October 31, 2027

SUNDRY NOTICES AND REPORTS ON WELLS
Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

5. Lease Serial No.

6. If Indian, Allottee or Tribe Name

SUBMIT IN TRIPLICATE - Other instructions on page 2

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

2. Name of Operator

3a. Address 3b. Phone No. (include area code)

4. Location of Well (Footage, Sec., T.,R.,M., or Survey Description)

7. If Unit of CA/Agreement, Name and/or No.

8. Well Name and No.

9. API Well No.

10. Field and Pool or Exploratory Area

11. Country or Parish, State

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION				
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off	
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Hydraulic Fracturing	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity	
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other	
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon		
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal		

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleate horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be perfonned or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has detennined that the site is ready for final inspection.)

14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed)

Title

Signature

Date

THE SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

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.

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

Additional Information

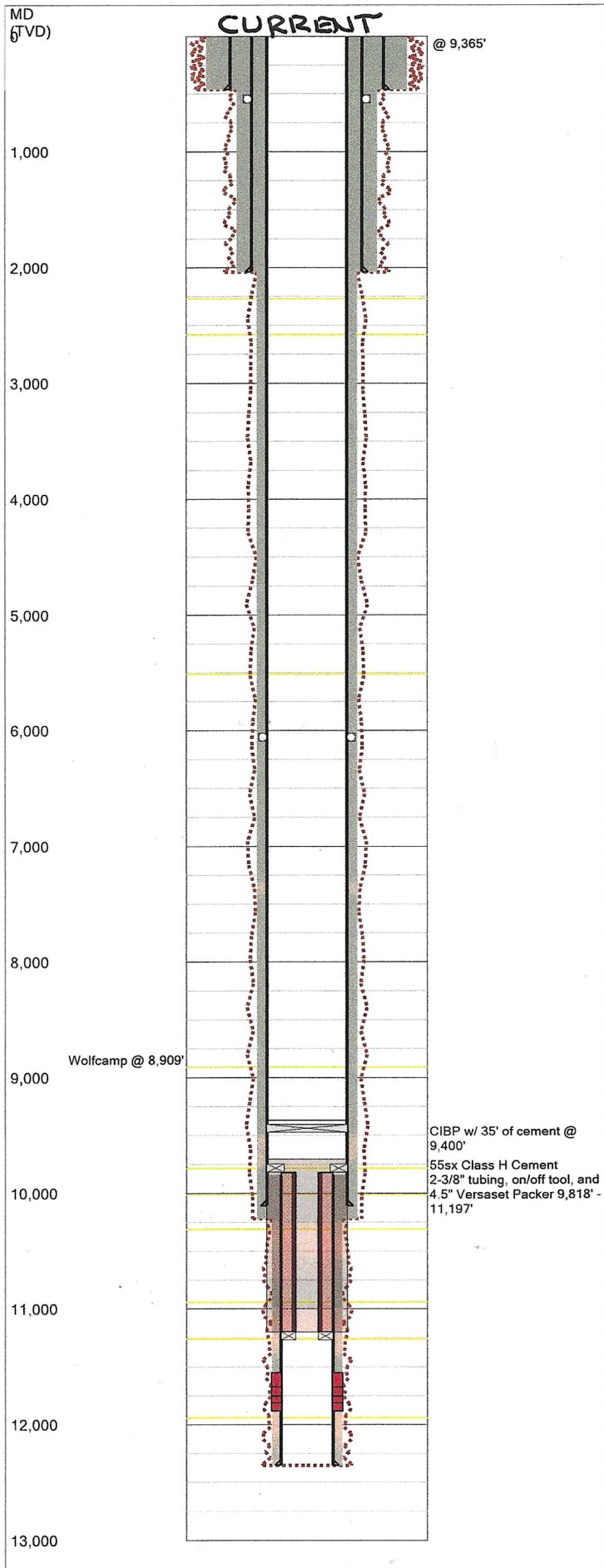
Location of Well

0. SHL: SWSE / 450 FSL / 1875 FEL / TWSP: 24S / RANGE: 26E / SECTION: 6 / LAT: 32.2400736 / LONG: -104.3300109 (TVD: 0 feet, MD: 0 feet)

BHL: SWSE / 700 FSL / 1800 FEL / TWSP: 24S / RANGE: 26E / SECTION: 6 / LAT: 0.0 / LONG: 0.0 (TVD: 0 feet, MD: 0 feet)

BREITBURN OPERATING, LP
CK 6 FEDERAL #001
30-015-36000

- 1.) TAG EXISTING CIBP + CMT. @ $\pm 9,365'$; PRES TEST
 7" CSG. X CIBP TO 500[#] X HOLD. FOR 30 MINS; RUN CBL.
- 2.) Pump 55 ^{"H"} SXS. @ $9,004' - 8,814'$ (T/WACP.).
- 3.) Pump 45 ^{"C"} SXS. @ $7,240' - 7,160'$ (SPACER).
- 4.) Pump 45 ^{"C"} SXS. @ $6,100' - 5,940'$ (7" DV TOOL); TAG
- 5.) Pump (40) ^{"C"} SXS. @ $5,584' - 5,434'$ (T/BNSG.).
- 6.) Pump (35) ^{"C"} SXS. @ $2,638' - 2,518'$ (T/DLWR.).
- 7.) Pump (35) ^{"C"} SXS. @ $2,095' - 1,975'$ (9-5/8" SHOE); TAG.
- 8.) PERF. X ATTEMPT TO SQZ. 45 ^{"C"} SXS. @ $508' - 408'$ (13 3/8" SHOE); TAG.
- 9.) PERF. X CIRC. TO SURF., FILLING ALL ANNULI, 25 ^{"C"} SXS.
 @ $63' - 3'$
- 10.) DIG OUT X CUT OFF W.H. 3' - B.G.L.; VERIFY CMT.
 TO SURF. ON ALL ANNULI; WELD ON STEEL PLATE TO
 CSGS. X INSTALL DRYHOLE MARKER.



Last Updated: 8/21/2025 01:59 PM



Field Name		Lease Name		Well No.
Carlsbad South, Morrow		CK 6 Federal		1
County		State		API No.
Eddy		New Mexico		30-015-36000-0000
Version		Version Tag		
1		TA		
GL (ft)	KB (ft)	Section	Township/Block	Range/Survey
3,760.0		O6	24S	26E
Operator		Well Type		Well Status
3R Operating, LLC		Gas		Active
Latitude			Longitude	
32.2400894			-104.3300629	
Dist. N/S (ft)	Dir. N/S	Dist. E/W (ft)	Dir. E/W	Footage From
450	FSL	1875	FEL	
Prop Num		Spud Date	Comp. Date	Plug Date
		2/18/2008	7/5/2008	
Additional Information				
Other 1		Other 2		Other 3
				Other 4
Prepared By		Updated By		Last Updated
SkylerBrodbeck		SkylerBrodbeck		8/21/2025 1:59 PM

Hole Summary

Date	Diam. (in)	Top (MD ft)	Bottom (MD ft)	Memo
2/19/2008	17.500	0	458	
2/23/2008	12.250	458	2,035	
3/27/2008	8.750	2,035	10,218	
4/15/2008	6.125	10,218	12,350	

Tubular Summary

Date	Description	OD (in)	Wt (lb/ft)	Grade	Top (MD ft)	Bottom (MD ft)	RL
	Tubing	2.375			9,818	11,197	C
2/19/2008	Surface Casing	13.375	48.00	H40	0	458	C
2/24/2008	Intermediate Casing	9.625	40.00	J55	0	2,034	C
3/29/2008	Intermediate Casing	7.000	26.00	HCP-110	0	10,104	C
4/19/2008	Liner	4.500	11.60	HCP-110	9,838	12,350	C

Casing Cement Summary

C	Date	No. Sx	Csg. OD (in)	Top (MD ft)	Bottom (MD ft)	Memo	RL
		270	4.500	9,838	12,350		C
		360	7.000	0	5,400		C
		55	7.000	5,400	6,000		C
		605	7.000	6,000	9,758		C
		75	7.000	9,758	10,104		C
		180	9.625	0	508		C
		400	9.625	508	1,185		C
		200	9.625	1,185	2,034		C
	2/19/2008	600	13.375	0	458		C

Tools/Problems Summary

Date	Tool Type	OD (in)	ID (in)	Top (MD ft)	Bottom (MD ft)	RL
	Cmt Tag	7.000	0.000	9,365	0	C
8/22/2025	CIBP	7.000	0.000	9,400	0	C

PLUGGING & ABANDONMENT WORKSHEET

PROPOSED

30-0/5-36000

OPERATOR BREITBURN OPERATING, LP
LEASENAME CK 6 FEDERAL

SECT	06	TWN	24S	RNG	26E
FROM	0	450	N	1,875	E
TD:	12,349' MD FORMATION @ TD				
PBTD:	FORMATION @ PBTD				

WELL # 001

24S RNG 26E

FROM 0 450 N 1,875 E

TD: 12,349' MD FORMATION @ TD

PBTD: FORMATION @ PBTD

PERF. X CIRC (25) SXS. @ 63'-3'

PERF. X SQZ. (45) SXS. @ 508'-408'-TAG

Pump (35) SXS. @ 2,095'-1,975'-TAG.

Pump (35) SXS. @ 2,638'-2,518'

Pump (46) SXS. @ 5,584'-5,434'

Pump (45) SXS. @ 6,100'-5,940'-TAG

Pump (45) SXS. @ 7,240'-7,160'

Pump (55) SXS. @ 9,004'-8,814'

CIBP. @ 9,100' w/ 35' amt.

7"
@ 10,218'
TOC SURF.

11,550'-11,819'

4-1/2" LNR.
@ 9,838'-12,349'

TD 12,349'

T/DLWR. ~ 2,578'
 T/BNSG. ~ 5,509'
 T/LWCP. ~ 8,909'
 T/CISCO ~ 9,784'
 T/CNYN. ~ 10,009'
 T/STWN. ~ 10,309'
 T/ATOKA ~ 10,939'
 T/MRPW. ~ 11,259'

DAE 08/23/2025

Well Name: CK 6 FEDERAL	Well Location: T24S / R26E / SEC 6 / SWSE / 32.2400736 / -104.3300109	County or Parish/State: EDDY / NM
Well Number: 1	Type of Well: CONVENTIONAL GAS WELL	Allottee or Tribe Name:
Lease Number: NMNM15295	Unit or CA Name:	Unit or CA Number:
US Well Number: 300153600000S1	Operator: BREITBURN OPERATING LP	

Notice of Intent

Sundry ID: 2869899

Type of Submission: Notice of Intent Type of Action: Plug and Abandonment

Date Sundry Submitted: 08/26/2025 Time Sundry Submitted: 12:28

Date proposed operation will begin: 09/01/2025

Procedure Description: BOLP is respectfully submitting for your review the P&A plan for the CK 6 Federal. Please see attached P&A plan, Current WBD, and Proposed WBD. Thank you.

Surface Disturbance

Is any additional surface disturbance proposed?: No

NOI Attachments

Procedure Description

CK_Fed_6_001__PA_Procedure_20250826122744.pdf

APPROVAL SUBJECT TO
GENERAL REQUIREMENTS AND
SPECIAL STIPULATIONS
ATTACHED

Well Number: 1

Type of Well: CONVENTIONAL GAS WELL

Allottee or Tribe Name:

Lease Number: NMNM15295

Unit or CA Name:

Unit or CA Number:

US Well Number: 300153600000S1

Operator: BREITBURN OPERATING LP

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: ARBAZ HUSSAIN

Signed on: AUG 26, 2025 12:27 PM

Name: BREITBURN OPERATING LP

Title: Regulatory Analyst

Street Address: 1000 MAIN STREET STE 2900

City: HOUSTONState: TX

Phone: (832) 589-5181

Email address: AHUSSAIN@DGOC.COM

Field

Representative Name:

Street Address:

City:State:Zip:

Phone:

Email address:

APPROVED by Long Vo
Petroleum Engineer
Carlsbad Field Office
575-988-50402
LVO@BLM.GOV

Lea County Notification: 575-689-5981

Eddy County Notification: [BLM NM CFO PluggingNotifications@BLM.GOV](mailto:BLM_NM_CFO_PluggingNotifications@BLM.GOV)

Secondary Contact: 575-361-2822

Form 3160-5
(June 2019)UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM APPROVED
OMB No. 1004-0137
Expires: October 31, 2021**SUNDRY NOTICES AND REPORTS ON WELLS**
Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE - Other instructions on page 2		5. Lease Serial No.
1. Type of Well <input type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other		6. If Indian, Allottee or Tribe Name
2. Name of Operator		7. If Unit of CA/Agreement, Name and/or No.
3a. Address	3b. Phone No. (include area code)	8. Well Name and No.
4. Location of Well (Footage, Sec., T., R., M., or Survey Description)		9. API Well No.
		10. Field and Pool or Exploratory Area
		11. Country or Parish, State

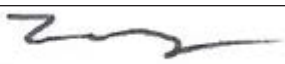
12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION				
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off	
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Hydraulic Fracturing	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity	
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other	
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14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed)		Title
Signature		Date

THE SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by Long Vo 	Title Petroleum Engineer	Date 8-28-2025
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.	Office Carlsbad Field Office	

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(Instructions on page 2)

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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.

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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:

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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

Additional Information

Location of Well

0. SHL: SWSE / 450 FSL / 1875 FEL / TWSP: 24S / RANGE: 26E / SECTION: 6 / LAT: 32.2400736 / LONG: -104.3300109 (TVD: 0 feet, MD: 0 feet)

BHL: SWSE / 700 FSL / 1800 FEL / TWSP: 24S / RANGE: 26E / SECTION: 6 / LAT: 0.0 / LONG: 0.0 (TVD: 0 feet, MD: 0 feet)

BREITBURN OPERATING, LP
CK 6 FEDERAL #001
30-015-36000

- 1.) Mill out CIBP at 9365' and tag within 4.5" liner at PBTD. Set 4.5" CIBP at 11500'. Spot cement from 11500' to 9690'. WOC and Tag. 168 sxs Class H.

Test CIBP TO 500 X HOLD FOR 30 MINS; RUN CBL.

- 2.) Pump 55^{"H"} SXS. @ 9,004' - 8,769' (T/WACP.) WOC and Tag.
 3.) Pump 45^{"C"} SXS. @ 7,240' - 7068' (SPACER). WOC and Tag.
 4.) Pump 45^{"C"} SXS. @ 6,100' - 5,909' (7" DV TOOL); TAG
 5.) Pump (40)^{"C"} SXS. @ 5,584' - 5,434' (T/BNSG.). 5403', Tag
 6.) Pump (35)^{"C"} SXS. @ 2,638' - 2,512' (T/DLWP.). WOC and Tag.
 7.) Pump (35)^{"C"} SXS. @ 2,095' - 1,964' (9-5/8" SHOE); TAG.
 8.) Spot cement from 1550' to surface. Verify at surface (253 sxs)

- 9.) DIG OUT X CUT OFF W.H. 3' - B.G.L.; VERIFY CMT. TO SURF. ON ALL ANNULI; WELD ON STEEL PLATE TO CSGS. X INSTALL DRYHOLE MARKER.

REVISED

2:37 pm, Aug 28, 2025



Last Updated: 8/21/2025 01:59 PM

Field Name		Lease Name		Well No.
Carlsbad South, Morrow		CK 6 Federal		1
County		State		API No.
Eddy		New Mexico		30-015-36000-0000
Version		Version Tag		
1		TA		
GL (ft)	KB (ft)	Section	Township/Block	Range/Survey
3,760.0		O6	24S	26E
Operator		Well Type		Well Status
3R Operating, LLC		Gas		Active
Latitude		Longitude		
32.2400894		-104.3300629		
Dist. N/S (ft)	Dir. N/S	Dist. E/W (ft)	Dir. E/W	Footage From
450	FSL	1875	FEL	
Prop Num		Spud Date	Comp. Date	Plug Date
		2/18/2008	7/5/2008	
Additional Information				
Other 1		Other 2		Other 3
				Other 4
Prepared By		Updated By		Last Updated
SkylerBrodbeck		SkylerBrodbeck		8/21/2025 1:59 PM

Hole Summary

Date	Diam. (in)	Top (MD ft)	Bottom (MD ft)	Memo
2/19/2008	17.500	0	458	
2/23/2008	12.250	458	2,035	
3/27/2008	8.750	2,035	10,218	
4/15/2008	6.125	10,218	12,350	

Tubular Summary

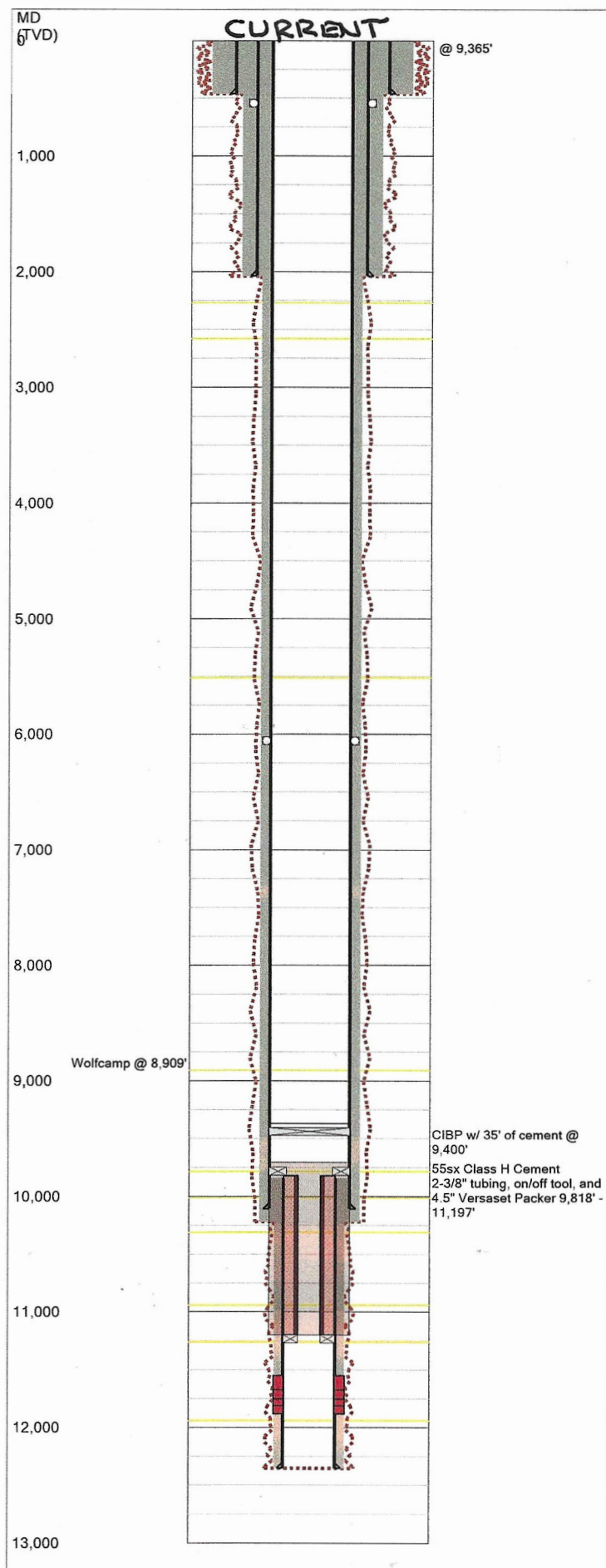
Date	Description	OD (in)	Wt (lb/ft)	Grade	Top (MD ft)	Bottom (MD ft)	RL
	Tubing	2.375			9,818	11,197	C
2/19/2008	Surface Casing	13.375	48.00	H40	0	458	C
2/24/2008	Intermediate Casing	9.625	40.00	J55	0	2,034	C
3/29/2008	Intermediate Casing	7.000	26.00	HCP-110	0	10,104	C
4/19/2008	Liner	4.500	11.60	HCP-110	9,838	12,350	C

Casing Cement Summary

C	Date	No. Sx	Csg. OD (in)	Top (MD ft)	Bottom (MD ft)	Memo	RL
		270	4.500	9,838	12,350		C
		360	7.000	0	5,400		C
		55	7.000	5,400	6,000		C
		605	7.000	6,000	9,758		C
		75	7.000	9,758	10,104		C
		180	9.625	0	508		C
		400	9.625	508	1,185		C
		200	9.625	1,185	2,034		C
	2/19/2008	600	13.375	0	458		C

Tools/Problems Summary

Date	Tool Type	OD (in)	ID (in)	Top (MD ft)	Bottom (MD ft)	RL
	Cmt Tag	7.000	0.000	9,365	0	C
8/22/2025	CIBP	7.000	0.000	9,400	0	C

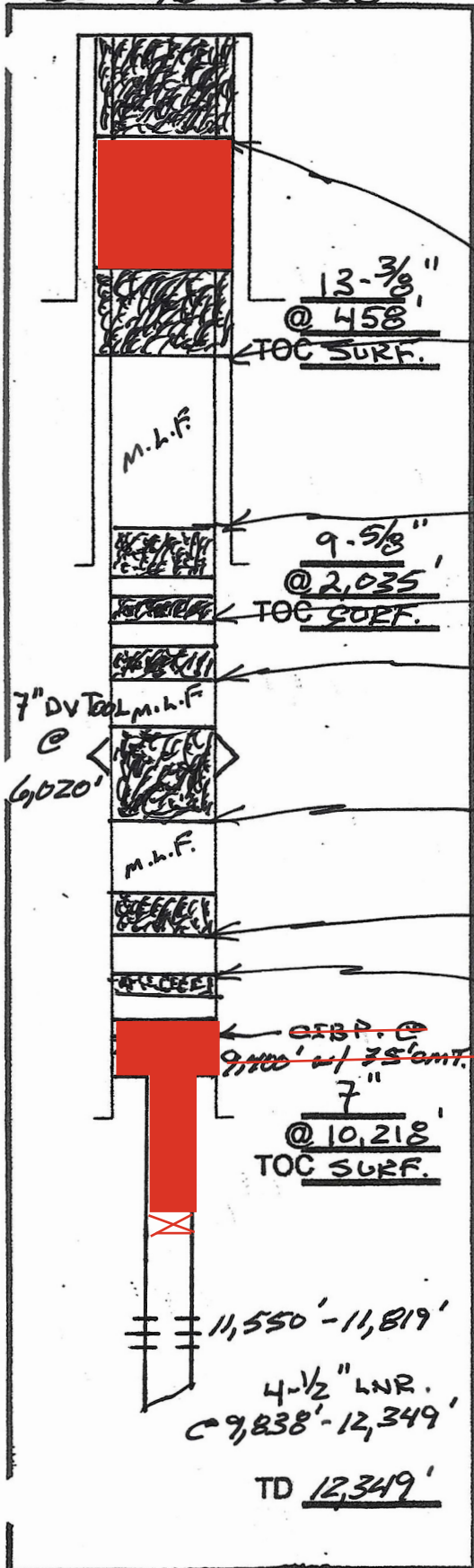


PLUGGING & ABANDONMENT WORKSHEET

30-015-36000

PROPOSED
 OPERATOR BREITBURN OPERATING, LP
 LEASENAME CK 6 FEDERAL

WELL # 001
 SECT 06 TWN 24S RNG 26E
 FROM @ 450' NSL 1,875' EWL
 TD: 12,349' MD FORMATION @ TD
 PBTD: FORMATION @ PBTD



~~PERF X CIRC (25) SXS. @ 65' 3'~~

~~PERF X SP2. (45) SXS. @ 508' 408' - TAG~~
 Spot cement from 1550' to surface. Verify at surface. (253 sxs)

Pump (35) SXS. @ 2,095' - 1,975' - TAG. 1964'. WOC and Tag

Pump (35) SXS. @ 2,638' - 2,518' 2512'. WOC and Tag.

Pump (46) SXS. @ 5,584' - 5,434' 5403'. WOC and Tag

Pump (45) SXS. @ 6,100' - 5,940' - TAG 5909'.

Pump (45) SXS. @ 7,240' - 7,160' 7068'. WOC and Tag.

Pump (55) SXS. @ 9,004' - 8,814' 8769'. WOC and Tag.

Mill out CIBP at 9365' and tag within 4.5" liner at PBTD. Set 4.5" CIBP at 11500'. Spot cement from 11500' to 9690'. WOC and Tag. 168 sxs Class H.

*Run CBL from CIBP to surface.

Submit results to BLM.

T/DLWR. ~ 2,578'
 T/BNSG. ~ 5,509'
 T/WACP. ~ 8,909'
 T/CISCO ~ 9,784'
 T/CNYN. ~ 10,009'
 T/STWN. ~ 10,309'
 T/ATOKA ~ 10,939'
 T/MREP. ~ 11,259'

REVISED

2:37 pm, Aug 28, 2025

DAE 08/23/2025

Outside of Lesser Prairie Chicken Area

**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.

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.

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; Lea County, call 575-689-5981. Eddy County, please email notifications to: [BLM NM CFO PluggingNotifications@BLM.GOV](mailto:BLM_NM_CFO_PluggingNotifications@BLM.GOV). The Eddy County inspector on call phone, 575-361-2822, will remain active as a secondary contact.

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.

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 water. Minimum nine (9) pounds per gallon.

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 for Class C or accelerated cement (calcium chloride) and 6 hours for Class H. Tagging the plug means running in the hole with a string of tubing or drill pipe and placing sufficient weight on the plug to ensure its integrity. Other methods of tagging the plug may be approved by the BLM authorized officer or BLM field representative.

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.

Fluid used to mix the cement in R111Q shall be saturated with the salts common to the section penetrated, and in suitable proportions but not less than 1% and not more than 3% calcium chloride by weight of cement will be considered the desired mixture whenever possible.

Above Ground Level Marker: If outside of Lesser Prairie-Chicken Habitat an above ground level marker shall be utilized. 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 *BY PHONE* (numbers listed in 2. Notifications) 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 fourteen (14) calendar days of the well being plugged. If the cut off cannot be done by the 14th 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.

Below Ground Level Marker: If within Lesser Prairie-Chicken Habitat a below ground level marker shall be utilized. 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 *BY PHONE* (numbers listed in 2. Notifications) 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 fourteen (14) calendar days of the well being plugged. If the cut off cannot be done by the 14th day, the BLM is to be contacted with justification to receive an extension for completing the cut off.**

Upon the plugging and subsequent abandonment of wells that are located in lesser prairie-chicken habitat, the casings shall be cut-off at the base of the cellar or 3 feet below final restored ground level (whichever is deeper). The well bore shall then be covered with a metal plate at least ¼ inch thick and welded in place. A weep hole shall be left in the plate and/or casing. The following information shall be permanently inscribed on the plate: well name and number, name of 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).

NMOCD also requires the operator to notify NMOCD when this type of dry hole marker is used. This can be done on the subsequent report of abandonment which is submitted to the BLM after the well is plugged. State that a below ground cap was installed as required in the COA's from the BLM.

Operator to verify the ground marker type with the BLM before setting dry hole Marker.

Subsequent Plugging Reporting: Within 30 days after plugging work is completed, file via the AFMSS 2 WISx Module a Subsequent Report of Plugging and Abandonment to BLM. Please include the following information:

- 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.
- The final copy of CBL.
- Any email correspondence regarding changes to originally approved procedure.
- Show date well was plugged.

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.

Timing Limitation Stipulation/ Condition of Approval for Lesser Prairie-Chicken:

From March 1st through June 15th annually, abandonment activities will be allowed except between the hours from 3:00 am and 9:00 am. Normal vehicle use on existing roads will not be restricted.



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.

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.

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.

The operator must file a Subsequent Report Plug and Abandonment (Form 3160-5) following the plugging of a well.

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.

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.

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.

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

Angela Mohle
Environmental Protection Specialist
575-234-9226

Robert Duenas
Environmental Protection Specialist
575-234-2229

Terry Gregston
Environmental Protection/HAZMAT Specialist
575-234-5958

Sundry ID		2869899					
Plug Type	Top	Bottom	Length	Tag	Sacks	Cement Class	Notes
Surface Plug	0.00	100.00	100.00	Tag/Verify			
13.375 inch- Shoe Plug	403.42	508.00	104.58	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			
Fresh Water @ 1500	1435.00	1550.00	115.00	ns	253.00	C	Spot cement from 1550' to surface. Verify at surface.
9.625 inch- Shoe Plug	1964.65	2085.00	120.35	Tag/Verify	25.00	C	Spot cement from 2095' to 1964'. 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			
Spacer Plug @ 2588	2512.12	2638.00	125.88	ns	25.00	C	Spot cement from 2638' to 2512'. 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			
Bonesprings @ 5509	5403.91	5559.00	155.09	ns	30.00	C	Spot cement from 5584' to 5403'. WOC and Tag.

DV tool plug	5909.80	6070.00	160.20	Tag/Verify	32.00	C	Spot cement from 6100' to 5909'. 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			
Spacer Plug @ 7190	7068.10	7240.00	171.90	ns	28.00	C	Spot cement from 7240' to 7068'. 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			
Wolfcamp @ 8909	8769.91	8959.00	189.09	ns	39.00	H	Spot cement from 9004' to 8769'. WOC and Tag.
Liner Top @ 9839	9690.61	9889.00	198.39	If solid			
7 inch- Shoe Plug	10065.82	10268.00	202.18	Tag/Verify			
Strawn @ 10309	10155.91	10359.00	203.09	If solid			
Atoka @ 10939	10779.61	10989.00	209.39	If solid			
Morrow @ 11259	11096.41	11309.00	212.59	If solid			
				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	11465.00	11500.00	35.00	ns	168.00	H	Mill out CIBP at 9365' and tag within 4.5" liner at PBTD. Set 4.5" CIBP at 11500'. Spot cement from 11500' to 9690'. WOC and Tag.
Perforations Plug (If No CIBP)	11500.00	11869.00	369.00	Tag/Verify			

4.5 inch- Shoe Plug	12175.51	12399.00	223.49	Tag/Verify			
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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.

<u>Cave Karst/Potash Cement Requirement:</u>		<u>Bottom of Karst/take deepest fresh water/top of salt whichever is greater to</u>	
<u>Wild Life</u>	<u>Critical</u>	<u>surface</u>	
13.375 inch- Shoe Plug @	458.00		
9.625 inch- Shoe Plug @	2035.00		
7 inch- Shoe Plug @	10218.00		
4.5 inch- Shoe Plug @	12349.00	TOC @	9838.00
Perforatons Top @	11550.00	Perforations	11819.00
DV Tool @	6020.00	CIBP @	11500.00

From: [Vo, Long T](#)
To: [Skyler Brodbeck](#); [Austin Tramell](#); [Randy Ferrell](#); [Austin McDaniel](#)
Cc: [Immatty, Keith P](#); [Roger Nunez](#); [Ally Howard](#); [Trey Haines](#)
Subject: Re: [EXTERNAL] CK 6 Federal 1 Well Work Summary August 2025
Date: Thursday, January 22, 2026 11:38:01 AM
Attachments: [Outlook-zcbjax1d.png](#)

CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or clicking links, especially from unknown senders.

Hi Skyler,

Thank you for the detailed summary of the CK 6 Federal #001 well workover and Temporary Abandonment (TA) operations. It was very informative and thorough.

Since you have approval from Keith to start at 9,400', please proceed with the next steps as planned. If you need any additional support or documentation, feel free to reach out.

Regards,

Long Vo
Petroleum Engineer

Carlsbad Field Office
520 E. Greene St.
Carlsbad, NM 88220

Land and Minerals
Bureau of Land Management
Department of Interior
575-988-5402 Cell

 [Book time to meet with me](#)

From: Skyler Brodbeck <sbrodbeck@3ROperating.com>
Sent: Thursday, January 22, 2026 9:59 AM
To: Vo, Long T <lvo@blm.gov>; Austin Tramell <atramell@3ROperating.com>; Randy Ferrell <rferrell@3ROperating.com>; Austin McDaniel <austin@themcdanielcompany.com>
Cc: Immatty, Keith P <kimmatty@blm.gov>; Roger Nunez <nunezroger558@gmail.com>; Ally Howard <ahoward@3ROperating.com>; Trey Haines <thaines@3ROperating.com>
Subject: [EXTERNAL] CK 6 Federal 1 Well Work Summary August 2025

This email has been received from outside of DOI - Use caution before clicking on links, opening attachments, or responding.

Long,

Below is a consolidated summary of the CK 6 Federal #001 workover and Temporary Abandonment (TA) operations, including how the scope evolved under BLM direction and what was ultimately executed in the field. I wanted to provide a clear record tying together the mechanical issues, regulatory correspondence, and final isolation configuration.

Attached are the workover report and related email correspondence for your reference. **The way 3R was informed, was that we would be able to plug the well from the new PBTD at 9,365' to surface as to BLMs spec, as everything below has CIBPs, cement, likely parted casing, a stuck packer, and tubing that is likely like Swiss cheese, as you'll be able to tell from the report attached. 3R spent alot of time, effort, and dollars tying to get everything out of the 4.5" liner.**

Well: CK 6 Federal #001 (API 30-015-36000)

Location: Eddy County, NM

Operator: 3R Operating

Dates: Aug 6–23, 2025

Rig: Lucky WOR

Original Plan: TA well by pulling packer & tubing, landing CIBP in 4.5" liner, topped with 35sx of cmt on top above perforations.

Final Status: TA with cement isolation + CIBP due to dire mechanical constraints

Initial Conditions and Escalation of Scope

Operations began under an approved TA plan to pull tubing and secure the well. During early pull-out-of-hole activities, the 2-3/8-inch 4.6# J-55 tubing string parted at approximately 8,620 ft (Joint #281) due to advanced corrosion. Joint #280 immediately above the failure exhibited multiple holes in the tubing walls.

Fishing operations confirmed extended stuck intervals. The original production packer had been set at approximately 11,478 ft. During jarring attempts, repeated tight spots were encountered near approximately 11,197 ft, indicating that the packer and fish had

partially migrated upward. Subsequent wireline free-point surveys confirmed the tubing was fully stuck between approximately 11,178 ft and 9,890 ft which was 100% positioned in the 4.5" Liner (liner top @ 9,838')

These conditions made returning the well to the original TA configuration infeasible and required a revised isolation strategy coordinated with BLM.

Fishing, Tubing Recovery, and Diagnostic Circulation

Multiple fishing bottomhole assemblies were run, including overshots, jars, mills, and accelerators. A concave mill dressed the fish top at approximately 8,959 ft, and tubing was chemically severed at approximately 9,818 ft.

Additional joints of tubing were recovered following the cut, many exhibiting significant corrosion, washouts, and thread damage.

Gauge rings subsequently tagged fill near approximately 9,465 ft. Approximately 220 barrels of fluid were pumped to restore circulation above the obstruction, after which the well circulated at roughly 3 barrels per minute and 300 psi with surface returns observed. This circulation was limited to the accessible wellbore above the fish and was performed for diagnostic purposes.

Early Mechanical Isolation

While regulatory coordination continued, wireline set an interim Cast-Iron Bridge Plug (CIBP) at approximately 9,818 ft above the stuck tubing interval after approval from the BLM.

BLM Coordination and Regulatory Direction

Throughout the operation, 3R maintained frequent communication with BLM personnel, including Keith Immatty and Jonathan Shepard. Key direction included:

- **August 13:** Approval from Jonathan Shepard to revise CIBP and cement plug depths to approximately 9,818 ft due to stuck tubing in the liner.
- **August 14–15:** Direction to evaluate whether cement could be placed across the Morrow interval and to provide justification should injection past the fish not be feasible.
- **August 18:** Plug-design guidance requiring cement 50 ft above and below zones of

interest, 10 percent excess length per 1,000 ft, Class C cement above 7,500 ft and Class H below 7,500 ft, isolation across casing shoes, and a 500-ft surface plug due to karst conditions.

- **August 19:** Requirements to isolate the Morrow top between 11,388 ft and 11,175 ft using Class H cement (or equivalent) with minimum volumes of 25 sacks if spotted or 35 ft if bail-dumped.

In response, 3R proposed to pump cement across the Morrow interval beneath a retrievable packer set near 9,400 ft, remove that packer, then install a final CIBP near 9,400 ft with 35 ft of cement above it and submit updated wellbore diagrams for filing. BLM reviewed and concurred with this approach prior to execution.

Casing Evaluation and Injection Testing

To identify a competent depth for cement placement, a retrievable mechanical packer was run for casing-integrity testing:

- At approximately 4,988 ft, the casing held a 1,500-psi static pressure test, but injection at approximately 2.3 BPM resulted in rapid pressure decline.
- The packer was reset at approximately 9,409 ft, where the casing again held a static test, but injection at approximately 2.4 BPM caused pressure to drop from roughly 1,100 psi to approximately 200 psi within several minutes.
- The packer was subsequently set at approximately 9,316 ft, where the casing held a 500-psi test. This depth was selected for cementing operations.

Cement Squeeze Operations

On August 21, a retrievable packer was set at approximately 9,316 ft and cement was pumped to isolate the Morrow interval:

- Cement slurry weight: 14.6 ppg
- Total volume: 55 sacks
- Displaced with approximately 63 barrels of fresh water at roughly 2 BPM, flushing approximately 15 barrels past the packer depth of about 11,178 ft

Pressure was staged during the squeeze and increased to approximately 1,600 psi, which was held for ten minutes with no leak-off observed. The well was shut in and

cement trucks were released.

On August 22, following waiting on cement, tubing pressure was increased to approximately 540 psi and monitored on a chart recorder. Chart recorder indicated stable pressure throughout the test at 540 psi.

Final Mechanical Isolation and TA Configuration

After removal of the retrievable packer:

- A 5.61-inch Cast-Iron Bridge Plug was run on wireline and set at approximately 9,400 ft.
- The plug was pressure tested to 500 psi for 30 minutes and held.
- The top of cement was tagged at approximately 9,363 ft.
- The production tree was reinstalled and the well was secured at surface.

Final Well Status

At the conclusion of operations, the well was left in Temporary Abandonment condition with:

1. Cement isolation across the Morrow interval.
2. Permanent mechanical barrier via CIBP at approximately 9,400 ft.
3. Verified pressure integrity of the abandonment barriers.
4. Surface equipment reinstalled and the well shut in.

All depth changes, cement volumes, and sequencing were implemented in accordance with BLM guidance following the mechanical complications encountered early in the workover.

Please let me know if you would like any additional documentation, schematics, or supporting exhibits included in the regulatory file.

Best regards,
Skyler D. Brodbeck
Production Engineer
3R Operating, LLC

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 546663

CONDITIONS

Operator: 3R Operating, LLC 20405 State Highway 249 Houston, TX 77070	OGRID: 331569
	Action Number: 546663
	Action Type: [C-103] NOI Plug & Abandon (C-103F)

CONDITIONS

Created By	Condition	Condition Date
gcordero	A Cement Bond Log (CBL) is required to be submitted to electronic permitting.	1/28/2026
gcordero	Submit Cement Bond Logs (CBL) prior to submittal of C-103P.	1/28/2026
gcordero	Adhere to current Plug & Abandon (P&A) Conditions Of Approvals (COA).	1/28/2026