Form 3160-5 (June 2019)

#### **UNITED STATES** DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0137
Expires: October 31, 202

5	. Lease Serial No.	N
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IMNM134888

Do not use this t	OTICES AND REPO form for proposals t Jse Form 3160-3 (A	•	6. If Indian, Allottee or	Tribe Name	
	TRIPLICATE - Other instru	7. If Unit of CA/Agreen	nent, Name and/or No.		
1. Type of Well					
Oil Well Gas W	_			8. Well Name and No.	L CAMPEON FED COM/513H
2. Name of Operator EARTHSTONE	OPERATING LLC			9. API Well No. 300254	48139
Ba. Address 1400 WOODLOCH FOR	REST DRIVE SUITE 300,	3b. Phone No. (include area code)	•)	10. Field and Pool or Ex	xploratory Area
	·	(281) 298-4240		JABALINA/WC Bone	e Springs
4. Location of Well (Footage, Sec., T.,R	.,M., or Survey Description)			11. Country or Parish, S	tate
SEC 20/T26S/R35E/NMP				LEA/NM	
12. CHE	CK THE APPROPRIATE B	OX(ES) TO INDICATE NATURE	OF NOTI	ICE, REPORT OR OTHE	ER DATA
TYPE OF SUBMISSION		TYF	PE OF AC	CTION	
✓ Notice of Intent	Acidize	Deepen	Prod	duction (Start/Resume)	Water Shut-Off
Notice of Intent	Alter Casing	Hydraulic Fracturing	Recl	lamation	Well Integrity
Subsequent Report	Casing Repair	New Construction	Reco	omplete	Other
Subsequent Report	Change Plans	✓ Plug and Abandon	Tem	porarily Abandon	
Final Abandonment Notice	Convert to Injection	Plug Back	Wate	er Disposal	
the proposal is to deepen directiona the Bond under which the work wil completion of the involved operation completed. Final Abandonment Not is ready for final inspection.)	lly or recomplete horizontall be perfonned or provide the ns. If the operation results in	y, give subsurface locations and me Bond No. on file with BLM/BIA. n a multiple completion or recompletion.	neasured and . Required letion in a	nd true vertical depths of d subsequent reports must new interval, a Form 316	and approximate duration thereof. If all pertinent markers and zones. Attach be filed within 30 days following 50-4 must be filed once testing has been e operator has detennined that the site
NOI TO PA					
<ol> <li>Set Cast iron bridge plug on</li> </ol>	top of fish at ~1,600 MD				
2. TIH and spot a ~487 cemen	t plug F/ 1,600 MD T/1,11	3 MD (surface casing shoe dep	oth)		
3. Tag plug after 500 psi of co	mpressive strength				
4. TIH and spot a ~563 cemen	t plug F/ 1,113 MD T/ 550				
5. Tag plug after 500 psi of co	mpressive strength				
6. TIH and spot a ~550 plug F	550 T/ Surface				
7. Nipple up TA cap and skid r	ig.				
Per Z. Stevens red dye will be	added to cement to indica	ate that gamma was left in the h	nole		

14. I hereby certify that the foregoing is true and correct. Name ( <i>Printed/Typed</i> )  JENNIFER ELROD / Ph: (817) 953-3728	Senior Regulatory Technician Title					
Signature	Date 05/31/2023					
THE SPACE FOR FEDERAL OR STATE OFICE USE						

Approved by Petroleum Engineer 06/01/2023 ZOTA M STEVENS / Ph: (575) 234-5998 / Approved Title Date Conditions of approval, if any, are attached. Approval of this notice does not warrant or Office CARLSBAD 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.

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.

(Instructions on page 2)

#### **GENERAL INSTRUCTIONS**

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

#### SPECIFIC INSTRUCTIONS

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

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

#### **NOTICES**

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

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

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

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

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

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

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

Response to this request is mandatory.

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

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

(Form 3160-5, page 2)

#### **Additional Information**

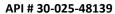
#### **Location of Well**

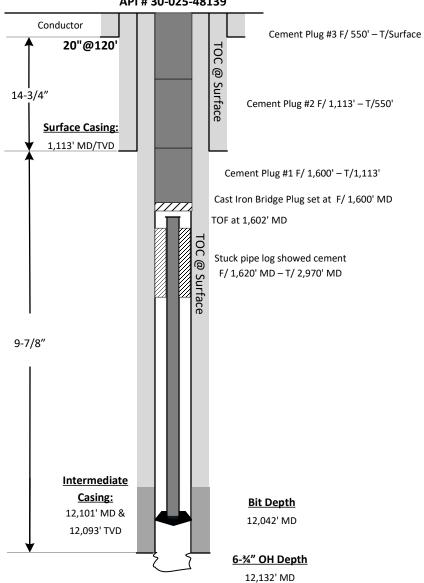
0. SHL: SWSE / 581 FSL / 1942 FEL / TWSP: 26S / RANGE: 35E / SECTION: 20 / LAT: 32.0231147 / LONG: -103.3871762 ( TVD: 0 feet, MD: 0 feet ) PPP: NWNE / 0 FNL / 1872 FEL / TWSP: 26S / RANGE: 35E / SECTION: 29 / LAT: 32.021515 / LONG: -103.386948 ( TVD: 11900 feet, MD: 11920 feet ) PPP: LOT 2 / 0 FNL / 1869 FEL / TWSP: 26S / RANGE: 35E / SECTION: 32 / LAT: 32.006987 / LONG: -103.386928 ( TVD: 13088 feet, MD: 18146 feet ) BHL: LOT 1 / 0 FSL / 1870 FEL / TWSP: 26S / RANGE: 35E / SECTION: 32 / LAT: 32.0003212 / LONG: -103.386922 ( TVD: 13086 feet, MD: 20601 feet )



### **EL Campeon Fed Com 513H**

County, State:		Field:		Location:		F	ormation:	
Lea,	NM	Arena Roja		na Roja Sec.20 T26S R35E 581' FSL – 1942' FEL			Wo	olfcamp
Directional:	Phoenix	SHL NAD 83	X: 834567.18	3 Y:373431.85	RKB/GL: 3,200' / 3,175.0'		AFE DC/CWC:	
Drilling Fluids:	Nova	BHL NAD 83	X: 1349958.48	Y: 10702273.91	Drilling Engineer:	Ве	n Taylor	Property #
Cement:	Par 5	Target Line:	12,999' TVD w	ith 90.24° INC at	179.45° AZI	Rig:	ICD 328	AFE #:





Estimated Tops						
Formation	Depth (TVD)					
Rustler	1,046					
Salado	1,597					
Base Salt	5,033					
Lamar	5,343					
Bell Canyon	5,372					
Cherry Canyon	6,364					
Brushy Canyon	7,881					
Top BSPG Lime	9,256					
1st BSPG Ss	10,544					
2nd BSPG Carb	11,004					
2nd BSPG Ss	11,071					
3rd BSPG Carb	11,509					
3rd BSPG Ss	12,128					
Wolfcamp	12,479					
Target LP	12,999					

	Cement Information								
Slurry	Density	Sack	Yield	Excess	<b>Estimated TOC</b>				
	#/gal		ft <sup>3</sup> /sx	%	ft.				
	Surface Cement								
	Pre-Set								
		Interme	diate Cem	ent					
Lead	10.30	1,230	3.05	55%	0'				
Tail	16.40	160	1.24	65%	11.601'				

	Casing Design							
Interval	Hole Size	Size	Weight	Grade	Conn.	Collapse	Burst	Depth
	(in)	(in)	#/ft			(psi)	(psi)	(ft)
Conductor								0' - 120'
Surface	14.75	10.75	45.5	HCL-80	BTC SPC	2,940	5,210	0' - 1,113'
1st Intermediate	9.875	7.625	29.7	L-80 EHC	Geoconn	6,220	6,880	0' - 12,101'

Released to Imaging: 6/15/2023 10:51:48 AM

From: Benjamin Taylor

To: Stevens, Zota M; Nick Goree; Jennifer Elrod
Subject: Re: [EXTERNAL] El Campeon Fed Com 513H
Date: Wednesday, May 31, 2023 4:11:57 PM

Yes sir will do.

On May 31, 2023, at 4:08 PM, Stevens, Zota M <zstevens@blm.gov> wrote:

**Caution:** This is an external email and may be malicious. Please take care when clicking links or opening attachments.

The procedure is approve. Since you have gamma in the hole add a red dye into the cement to note that there is a have a radiation left in the hole. submit a NOI sundry within 24 hrs from this approval email.

**7ota Stevens** 

Bureau of Land Management

Petroleum Engineer Phone: 575.234.5998 Cell: 575.361.8620

Email: zstevens@blm.gov

From: Benjamin Taylor <ben@earthstoneenergy.com>

**Sent:** Wednesday, May 31, 2023 2:51 PM **To:** Stevens, Zota M <zstevens@blm.gov>

Subject: [EXTERNAL] El Campeon Fed Com 513H

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

Zota,

As per our conversation please see attached proposed P&A'd WBD for your approval.

Procedure would be as follows:

- 1. Set Cast iron bridge plug on top of fish at ~1,600′ MD
- 2. TIH and spot a ~487' cement plug F/ 1,600' MD T/1,113' MD (surface casing shoe depth)
- 3. Tag plug after 500 psi of compressive strength
- 4. TIH and spot a  $^{\sim}563'$  cement plug F/ 1,113' MD T/ 550'
- 5. Tag plug after 500 psi of compressive strength
- 6. TIH and spot a ~550' plug F/ 550' T/ Surface
- 7. Nipple up TA cap and skid rig.

Please let me know if this is approved or not.

Thanks,
Ben Taylor
Sr. Drilling Engineer
Earthstone Operating LLC
(M) 432-978-3029
(O) 432-253-9243

Form 3160-5 (June 2019)

## UNITED STATES DEPARTMENT OF THE INTERIOR

FORM APPROVED
OMB No. 1004-0137
Expires: October 31, 202

BUR	EAU OF LAND MANAGEMENT		5. Lease Seriai No	NMNM134888			
Do not use this t	IOTICES AND REPORTS ON W form for proposals to drill or to Use Form 3160-3 (APD) for suc		tee or Tribe Name				
SUBMIT IN	TRIPLICATE - Other instructions on pag	7. If Unit of CA/A	Agreement, Name and/or No.				
1. Type of Well	_		8 Well Name and	No			
Oil Well Gas V			o. Wen reame and	No. EL CAMPEON FED COM/513H			
2. Name of Operator EARTHSTONE	OPERATING LLC		9. API Well No. 3	002548139			
3a. Address 1400 WOODLOCH FO		*	<u> </u>	l or Exploratory Area			
A. I. C. C. W. H. C	(281) 298-424	40	JABALINA/WC				
4. Location of Well (Footage, Sec., T.,F SEC 20/T26S/R35E/NMP	a.,M., or Survey Description)		11. Country or Pa LEA/NM	risn, State			
12. CHE	CK THE APPROPRIATE BOX(ES) TO INI	DICATE NATU	RE OF NOTICE, REPORT OR	OTHER DATA			
TYPE OF SUBMISSION		7	TYPE OF ACTION				
Notice of Intent	Acidize Deep	en	Production (Start/Resur	me) Water Shut-Off			
	Alter Casing Hydr	aulic Fracturing	g Reclamation	Well Integrity			
Subsequent Report		Construction	Recomplete	Other			
Final Abandonment Notice	Change Plans  Convert to Injection  Plug	and Abandon	Temporarily Abandon Water Disposal				
completion of the involved operation completed. Final Abandonment No is ready for final inspection.)  NOI TO PA  1. Set Cast iron bridge plug or	tices must be filed only after all requirement	pletion or reco s, including rec	mpletion in a new interval, a For lamation, have been completed a	rm 3160-4 must be filed once testing has been			
3. Tag plug after 500 psi of co	mpressive strength						
4. TIH and spot a ~563 cemer	nt plug F/ 1,113 MD T/ 550						
5. Tag plug after 500 psi of co	•						
6. TIH and spot a ~550 plug F							
7. Nipple up TA cap and skid r	ig. added to cement to indicate that gamma	a waa laft in th	a hala				
ŕ	ŭ	a was lote in the					
14. I hereby certify that the foregoing is JENNIFER ELROD / Ph: (817) 953	true and correct. Name (Printed/Typed)	Senior	Regulatory Technician				
JENNIFER ELROD / FII. (617) 953	-3/20	Title					
Signature		Date	05/3	31/2023			
	THE SPACE FOR FED	ERAL OR S	STATE OFICE USE				
Approved by							
ZOTA M STEVENS / Ph: (575) 23	4-5998 / Approved	Title Pe	etroleum Engineer	06/01/2023 Date			
	hed. Approval of this notice does not warran equitable title to those rights in the subject le duct operations thereon.	CARLSBAD					

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#### **Additional Information**

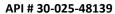
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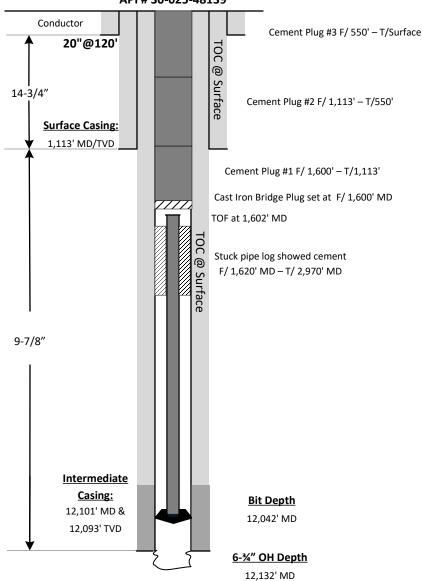
# Field: Location: Sec.20 T26S R35E 581' FSL – 1942' FEL Wolfcamp

								-	
Directional:	Phoenix	SHL NAD 83	X: 834567.18	3 Y:373431.85	RKB/GL: 3,20	00' / 3,175.0'	AFE DC/CWC:		
Drilling Fluids:	Nova	BHL NAD 83	X: 1349958.48	Y: 10702273.91	Drilling Engineer:	Ben	Taylor	Property #	
Cement:	Par 5	Target Line:	12.999' TVD w	ith 90.24° INC at	179.45° AZI	Rig:	CD 328	AFE #:	



County, State:

Lea, NM



Estimated Tops						
Formation	Depth (TVD)					
Rustler	1,046					
Salado	1,597					
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2nd BSPG Ss	11,071					
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3rd BSPG Ss	12,128					
Wolfcamp	12,479					
Target LP	12,999					

Cement Information											
Slurry	Density	Sack	Yield	Excess	<b>Estimated TOC</b>						
	#/gal		ft <sup>3</sup> /sx	%	ft.						
Surface Cement											
Pre-Set											
			re-set								
Intermediate Cement											
Lead	10.30	1,230	3.05	55%	0'						
Tail	16.40	160	1.24	65%	11,601'						

Casing Design											
Interval	Hole Size	Size	Weight	Grade	Conn.	Collapse	Burst	Depth			
	(in)	(in)	#/ft			(psi)	(psi)	(ft)			
Conductor								0' - 120'			
Surface	14.75	10.75	45.5	HCL-80	BTC SPC	2,940	5,210	0' - 1,113'			
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Bureau of Land Management

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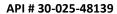
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Ben Taylor
Sr. Drilling Engineer
Earthstone Operating LLC
(M) 432-978-3029
(O) 432-253-9243

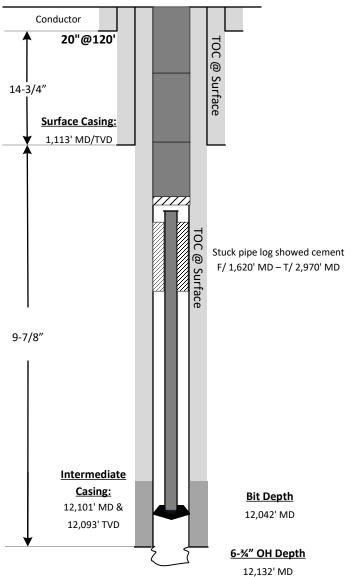


# Field: Location: Formation:

Lea,	Lea, NM		ena Roja	Sec.20 T26S R35E 581' FSL – 1942' FEL			Wolfcamp		
Directional:	Phoenix	SHL NAD 83	X: 834567.18	3 Y:373431.85	RKB/GL: 3,20	00' / 3,175.0'	AFE DC/CWC:		
Drilling Fluids:	Nova	BHL NAD 83	X: 1349958.48	Y: 10702273.91	Drilling Engineer:	Bei	n Taylor	Property #	
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County, State:



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Cement Information											
Slurry	ry Density Sack Yield Excess Estimate										
	#/gal		ft <sup>3</sup> /sx	%	ft.						
Surface Cement											
	Pre-Set										
	Intermediate Cement										
Lead	10.30	1,230	3.05	55%	0'						
Tail	16.40	160	1.24	65%	11,601'						

	Casing Design											
Interval	Hole Size	Size	Weight	Grade	Conn.	Collapse	Burst	Depth				
	(in)	(in)	#/ft			(psi)	(psi)	(ft)				
Conductor								0' - 120'				
Surface	14.75	10.75	45.5	HCL-80	BTC SPC	2,940	5,210	0' - 1,113'				
1st Intermediate	9.875	7.625	29.7	L-80 EHC	Geoconn	6,220	6,880	0' - 12,101'				
Released to Ima	ging: 6/15/	<i>72023 1</i>	<i>0:51:48 A</i>	M		-						

From: Benjamin Taylor

To: Stevens, Zota M; Nick Goree; Jennifer Elrod
Subject: Re: [EXTERNAL] El Campeon Fed Com 513H
Date: Wednesday, May 31, 2023 4:11:57 PM

Yes sir will do.

On May 31, 2023, at 4:08 PM, Stevens, Zota M <zstevens@blm.gov> wrote:

**Caution:** This is an external email and may be malicious. Please take care when clicking links or opening attachments.

The procedure is approve. Since you have gamma in the hole add a red dye into the cement to note that there is a have a radiation left in the hole. submit a NOI sundry within 24 hrs from this approval email.

Zota Stevens

Bureau of Land Management

Petroleum Engineer Phone: 575.234.5998 Cell: 575.361.8620

Email: zstevens@blm.gov

From: Benjamin Taylor <ben@earthstoneenergy.com>

**Sent:** Wednesday, May 31, 2023 2:51 PM **To:** Stevens, Zota M <zstevens@blm.gov>

Subject: [EXTERNAL] El Campeon Fed Com 513H

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

Zota,

As per our conversation please see attached proposed P&A'd WBD for your approval.

Procedure would be as follows:

- 1. Set Cast iron bridge plug on top of fish at ~1,600' MD
- 2. TIH and spot a ~487' cement plug F/ 1,600' MD T/1,113' MD (surface casing shoe depth)
- 3. Tag plug after 500 psi of compressive strength
- 4. TIH and spot a  $^{\sim}563'$  cement plug F/ 1,113' MD T/ 550'
- 5. Tag plug after 500 psi of compressive strength
- 6. TIH and spot a ~550' plug F/ 550' T/ Surface
- 7. Nipple up TA cap and skid rig.

Please let me know if this is approved or not.

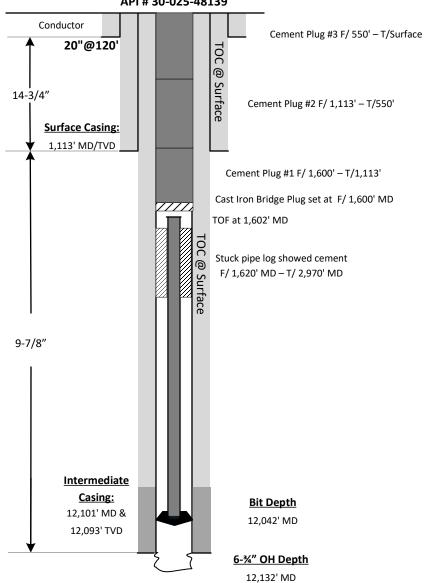
Thanks,
Ben Taylor
Sr. Drilling Engineer
Earthstone Operating LLC
(M) 432-978-3029
(O) 432-253-9243



### EL Campeon Fed Com 513H

County, State:		Field:		Location:			Formation:		
Lea,	, NM	Are	ena Roja	Sec.20 T26S R3	5E 581' FSL – 194	2' FEL	Wolfcamp		
Directional:	Phoenix	SHL NAD 83	X: 834567.18	8 Y:373431.85	RKB/GL: 3,20	00' / 3,175.0'	AFE DC/CWC:		
Drilling Fluids:	Nova	BHL NAD 83	X: 1349958.48	3 Y: 10702273.91	Drilling Engineer:	Вє	en Taylor	Property #	
Cement:	Par 5	Target Line:	12,999' TVD v	vith 90.24° INC at	179.45° AZI	Rig:	ICD 328	AFE #:	

#### API # 30-025-48139



Estimated Tops							
Formation	Depth (TVD)						
Rustler	1,046						
Salado	1,597						
Base Salt	5,033						
Lamar	5,343						
Bell Canyon	5,372						
Cherry Canyon	6,364						
Brushy Canyon	7,881						
Top BSPG Lime	9,256						
1st BSPG Ss	10,544						
2nd BSPG Carb	11,004						
2nd BSPG Ss	11,071						
3rd BSPG Carb	11,509						
3rd BSPG Ss	12,128						
Wolfcamp	12,479						
Target LP	12,999						

Cement Information											
Slurry	y Density Sack Yield Excess Estimated										
	#/gal		ft <sup>3</sup> /sx	%	ft.						
Surface Cement											
Pre-Set											
		Interme	diate Cem	ent							
Lead	10.30	1,230	3.05	55%	0'						
Tail	16.40	160	1.24	65%	11,601'						

Casing Design											
Interval	Hole Size	Size	Weight	Grade	Conn.	Collapse	Burst	Depth			
	(in)	(in)	#/ft			(psi)	(psi)	(ft)			
Conductor								0' - 120'			
Surface	14.75	10.75	45.5	HCL-80	BTC SPC	2,940	5,210	0' - 1,113'			
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Please let me know if this is approved or not.

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Ben Taylor
Sr. Drilling Engineer
Earthstone Operating LLC
(M) 432-978-3029
(O) 432-253-9243

#### 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 <u>ninety (90)</u> days from the approval date of this Notice of Intent to Abandon.

If you are unable to plug the well by the 90<sup>th</sup> day provide this office, prior to the 90<sup>th</sup> 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. <u>Notification:</u> 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. <u>Blowout Preventers</u>: 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. <u>Mud Requirement:</u> 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. <u>Cement Requirement</u>: 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. <u>Dry Hole Marker</u>: 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 10<sup>th</sup> 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).

- 7. <u>Subsequent Plugging Reporting:</u> 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. <u>Trash:</u> 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 predisturbance 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 and 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

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

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

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

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

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

CONDITIONS

Action 226002

#### **CONDITIONS**

Operator:	OGRID:
Earthstone Operating, LLC	331165
1400 Woodloch Forest; Ste 300	Action Number:
The Woodlands, TX 77380	226002
	Action Type:
	[C-103] NOI Plug & Abandon (C-103F)

#### CONDITIONS

Created By	Condition	Condition Date
john.harrison	Accepted for record - NMOCD JRH 6/15/2023. BLM approved P&A 06/01/2023	6/15/2023