

**HOBBS OCD**

FORM APPROVED  
OMB No. 1004-0137  
Expires October 31, 2014

SEP 11 2017

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

**RECEIVED**

**APPLICATION FOR PERMIT TO DRILL OR REENTER**

1a. Type of work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		7. If Unit or CA Agreement, Name and No.
1b. Type of Well: <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/> Single Zone <input checked="" type="checkbox"/> Multiple Zone		8. Lease Name and Well No. TRISTE DRAW 25 FEDERAL CO 13H
2. Name of Operator CIMAREX ENERGY COMPANY		9. API Well No. 30025-44001
3a. Address 202 S. Cheyenne Ave., Ste 1000 Tulsa OK 74	3b. Phone No. (include area code) (432)620-1936	10. Field and Pool, or Exploratory BONE SPRING / TRISTE DRAW BONE
4. Location of Well (Report location clearly and in accordance with any State requirements.)* At surface SESW / 560 FSL / 2370 FWL / LAT 32.269994 / LONG -103.629208 At proposed prod. zone NENW / 330 FNL / 1860 FWL / LAT 32.282072 / LONG -103.630867		11. Sec., T. R. M. or Blk. and Survey or Area SEC 25 / T23S / R32E / NMP
14. Distance in miles and direction from nearest town or post office* 27.4 miles		12. County or Parish LEA
		13. State NM
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) 560 feet	16. No. of acres in lease 1600	17. Spacing Unit dedicated to this well 160
18. Distance from proposed location* to nearest well, drilling, completed, 20 feet applied for, on this lease, ft.	19. Proposed Depth 9830 feet / 14202 feet	20. BLM/BIA Bond No. on file FED: NMB001188
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 3690 feet	22. Approximate date work will start* 12/01/2017	23. Estimated duration 30 days

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No.1, must be attached to this form:

- |  |   |
|--|---|
| 1. Well plat certified by a registered surveyor.   | 4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above). |
| 2. A Drilling Plan.  | 5. Operator certification   |
| 3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO must be filed with the appropriate Forest Service Office). | 6. Such other site specific information and/or plans as may be required by the BLM.             |

25. Signature (Electronic Submission)	Name (Printed/Typed) Aricka Easterling / Ph: (918)560-7060	Date 03/31/2017
Title Regulatory Analyst		
Approved by (Signature) (Electronic Submission)	Name (Printed/Typed) Cody Layton / Ph: (575)234-5959	Date 08/31/2017
Title Supervisor Multiple Resources		

Application approval 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.  
Conditions of approval, if any, are attached.

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.

(Continued on page 2)

\*(Instructions on page 2)

**APPROVED WITH CONDITIONS**

Ks  
09/11/17



## Operator Certification

*I hereby certify that I, or someone under my direct supervision, have inspected the drill site and access route proposed herein; that I am familiar with the conditions which currently exist; that I have full knowledge of state and Federal laws applicable to this operation; that the statements made in this APD package are, to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein will be performed in conformity with this APD package and the terms and conditions under which it is approved. I also certify that I, or the company I represent, am responsible for the operations conducted under this application. These statements are subject to the provisions of 18 U.S.C. 1001 for the filing of false statements.*

**NAME:** Aricka Easterling

**Signed on:** 03/31/2017

**Title:** Regulatory Analyst

**Street Address:** 202 S. Cheyenne Ave, Ste 1000

**City:** Tulsa

**State:** OK

**Zip:** 74103

**Phone:** (918)560-7060

**Email address:** aeasterling@cimarex.com

## Field Representative

**Representative Name:**

**Street Address:**

**City:**

**State:**

**Zip:**

**Phone:**

**Email address:**

**APD ID:** 10400012822**Submission Date:** 03/31/2017Highlighted data  
reflects the most  
recent changes**Operator Name:** CIMAREX ENERGY COMPANY**Well Name:** TRISTE DRAW 25 FEDERAL COM**Well Number:** 13H[Show Final Text](#)**Well Type:** OIL WELL**Well Work Type:** Drill

### Section 1 - General

**APD ID:** 10400012822**Tie to previous NOS?** 10400011555**Submission Date:** 03/31/2017**BLM Office:** CARLSBAD**User:** Aricka Easterling**Title:** Regulatory Analyst**Federal/Indian APD:** FED**Is the first lease penetrated for production Federal or Indian?** FED**Lease number:** NMLC063228**Lease Acres:** 1600**Surface access agreement in place?****Allotted?****Reservation:****Agreement in place?** NO**Federal or Indian agreement:****Agreement number:****Agreement name:****Keep application confidential?** YES**Permitting Agent?** NO**APD Operator:** CIMAREX ENERGY COMPANY**Operator letter of designation:**

### Operator Info

**Operator Organization Name:** CIMAREX ENERGY COMPANY**Operator Address:** 202 S. Cheyenne Ave., Ste 1000**Zip:** 74103**Operator PO Box:****Operator City:** Tulsa**State:** OK**Operator Phone:** (432)620-1936**Operator Internet Address:** tstathem@cimarex.com

### Section 2 - Well Information

**Well in Master Development Plan?** NO**Mater Development Plan name:****Well in Master SUPO?** NO**Master SUPO name:****Well in Master Drilling Plan?** NO**Master Drilling Plan name:****Well Name:** TRISTE DRAW 25 FEDERAL COM**Well Number:** 13H**Well API Number:****Field/Pool or Exploratory?** Field and Pool**Field Name:** BONE SPRING**Pool Name:** TRISTE DRAW  
BONE SPRING**Is the proposed well in an area containing other mineral resources?** POTASH

**Operator Name:** CIMAREX ENERGY COMPANY

**Well Name:** TRISTE DRAW 25 FEDERAL COM

**Well Number:** 13H

**Describe other minerals:**

**Is the proposed well in a Helium production area?** N    **Use Existing Well Pad?** NO    **New surface disturbance?**

**Type of Well Pad:** MULTIPLE WELL

**Multiple Well Pad Name:**  
TRISTE DRAW SUPERPAD 2  
**Number of Legs:** 1

**Number:** 2

**Well Class:** HORIZONTAL

**Well Work Type:** Drill

**Well Type:** OIL WELL

**Describe Well Type:**

**Well sub-Type:** EXPLORATORY (WILDCAT)

**Describe sub-type:**

**Distance to town:** 27.4 Miles

**Distance to nearest well:** 20 FT

**Distance to lease line:** 560 FT

**Reservoir well spacing assigned acres Measurement:** 160 Acres

**Well plat:** Triste\_Draw\_25\_Fed\_Com\_13H\_C102\_Plat\_03-31-2017.pdf

**Well work start Date:** 12/01/2017

**Duration:** 30 DAYS

### Section 3 - Well Location Table

**Survey Type:** RECTANGULAR

**Describe Survey Type:**

**Datum:** NAD83

**Vertical Datum:** NAVD88

**Survey number:**

	NS-Foot	NS Indicator	EW-Foot	EW Indicator	Twsp	Range	Section	Aliquot/Lot/Tract	Latitude	Longitude	County	State	Meridian	Lease Type	Lease Number	Elevation	MD	TVD
SHL Leg #1	560	FSL	2370	FWL	23S	32E	25	Aliquot SESW 4	32.26999 4	- 103.6292 08	LEA	NEW MEXI CO	NEW MEXI CO	F	NMLC0 63228	369 0	0	0
KOP Leg #1	560	FSL	2370	FWL	23S	32E	25	Aliquot SESW 4	32.26999 4	- 103.6292 08	LEA	NEW MEXI CO	NEW MEXI CO	F	NMLC0 63228	- 559 2	928 2	928 2
PPP Leg #1	560	FSL	2370	FWL	23S	32E	25	Aliquot SESW 4	32.26999 4	- 103.6292 08	LEA	NEW MEXI CO	NEW MEXI CO	F	NMLC0 63228	- 514 0	883 0	883 0

**Operator Name:** CIMAREX ENERGY COMPANY

**Well Name:** TRISTE DRAW 25 FEDERAL COM

**Well Number:** 13H

	NS-Foot	NS Indicator	EW-Foot	EW Indicator	Twsp	Range	Section	Aliquot/Lot/Tract	Latitude	Longitude	County	State	Meridian	Lease Type	Lease Number	Elevation	MD	TVD
EXIT Leg #1	330	FNL	186 0	FWL	23S	32E	25	Aliquot NENW 2	32.28207	- 103.6308 67	LEA	NEW MEXI CO	NEW MEXI CO	F	NMNM 86154	- 614 0	142 02	983 0
BHL Leg #1	330	FNL	186 0	FWL	23S	32E	25	Aliquot NENW 2	32.28207	- 103.6308 67	LEA	NEW MEXI CO	NEW MEXI CO	F	NMNM 86154	- 614 0	142 02	983 0

**APD ID:** 10400012822

**Submission Date:** 03/31/2017

Highlighted data reflects the most recent changes

**Operator Name:** CIMAREX ENERGY COMPANY

**Well Name:** TRISTE DRAW 25 FEDERAL COM

**Well Number:** 13H

[Show Final Text](#)

**Well Type:** OIL WELL

**Well Work Type:** Drill

## Section 1 - Geologic Formations

Formation ID	Formation Name	Elevation	True Vertical Depth	Measured Depth	Lithologies	Mineral Resources	Producing Formation
17746	RUSTLER	3690	1240	1240		USEABLE WATER	No
18574	SALADO	1960	1730	1730		NONE	No
17722	BASE OF SALT	-1110	4800	4800		NONE	No
17760	DELAWARE SAND	-1340	5030	5030		NONE	No
17713	BRUSHY CANYON	-3670	7360	7360		NATURAL GAS,OIL	No
17688	BONE SPRING	-5140	8830	8830		NATURAL GAS,OIL	Yes
15338	BONE SPRING 1ST	-6350	10040	10040		NATURAL GAS,OIL	Yes

## Section 2 - Blowout Prevention

**Pressure Rating (PSI):** 2M

**Rating Depth:** 1290

**Equipment:** Exhibit "E-1". A BOP consisting of three rams, including one blind ram and two pipe rams and one annular preventer. An accumulator that meets the requirements in Onshore Order #2 for the pressure rating of the BOP stack. A rotating head may be installed as needed. A Kelly clock will be installed and maintained in operable condition and a drill string safety valve in the open position will be available on the rig floor.

**Requesting Variance?** YES

**Variance request:** Co-flex line between the BOP and choke manifold. Certification for proposed co-flex hose is attached (Please see Exhibit F, F-1, F-2, F-3). The hose is not required by the manufacturer to be anchored. In the event the specific hose is not available, one of equal or higher rating will be used. Variance to include Hammer Union connections on lines downstream of the buffer tank only.

**Testing Procedure:** BOP's will be tested by an independent service company. The ram preventers, choke manifold, and safety valves will be tested as follows: On the surface casing, pressure tests will be made to 250 psi low and 2000 psi high. On the intermediate casing, pressure tests will be made to 250 psi low and 3000 psi high. The Annular Preventer will be tested to 250 psi low and 1000 psi high on the surface casing and 250 psi low and 1500 psi high on the intermediate casing. The System may be upgraded to a higher pressure but still tested to the working pressures listed. If the system is upgraded all the components installed will be functional and tested.

**Choke Diagram Attachment:**

Triste\_Draw\_25\_Fed\_Com\_13H\_Choke\_2M3M\_03-31-2017.pdf

Operator Name: CIMAREX ENERGY COMPANY

Well Name: TRISTE DRAW 25 FEDERAL COM

Well Number: 13H

Triste\_Draw\_25\_Fed\_Com\_13H\_Choke\_2M3M\_03-31-2017.pdf

**BOP Diagram Attachment:**

Triste\_Draw\_25\_Fed\_Com\_13H\_BOP\_2M\_03-31-2017.pdf

**Pressure Rating (PSI): 3M**

**Rating Depth: 5010**

**Equipment:** Exhibit "E-1". A BOP consisting of three rams, including one blind ram and two pipe rams and one annular preventer. An accumulator that meets the requirements in Onshore Order #2 for the pressure rating of the BOP stack. A rotating head may be installed as needed. A Kelly clock will be installed and maintained in operable condition and a drill string safety valve in the open position will be available on the rig floor.

**Requesting Variance?** YES

**Variance request:** Co-flex line between the BOP and choke manifold. Certification for proposed co-flex hose is attached (Please see Exhibit F, F-1, F-2, F-3). The hose is not required by the manufacturer to be anchored. In the event the specific hose is not available, one of equal or higher rating will be used. Variance to include Hammer Union connections on lines downstream of the buffer tank only.

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**Choke Diagram Attachment:**

Triste\_Draw\_25\_Fed\_Com\_13H\_Choke\_2M3M\_03-31-2017.pdf

**BOP Diagram Attachment:**

Triste\_Draw\_25\_Fed\_Com\_13H\_BOP\_3M\_03-31-2017.pdf

**Section 3 - Casing**

Casing ID	String Type	Hole Size	Csg Size	Condition	Standard	Tapered String	Top Set MD	Bottom Set MD	Top Set TVD	Bottom Set TVD	Top Set MSL	Bottom Set MSL	Calculated casing length MD	Grade	Weight	Joint Type	Collapse SF	Burst SF	Joint SF Type	Joint SF	Body SF Type	Body SF
1	SURFACE	17.5	13.375	NEW	API	N	0	1290	0	1290	0	1290	1290	OTHER	48	STC	1.25	2.93	BUOY	5.2	BUOY	5.2
2	INTERMEDIATE	12.25	9.625	NEW	API	N	0	5010	0	5010	0	5010	5010	J-55	40	LTC	1.48	1.49	BUOY	2.59	BUOY	2.59
3	PRODUCTION	8.75	5.5	NEW	API	N	0	9282	0	9282	0	9282	9282	L-80	20	LTC	2.03	2.03	BUOY	2.12	BUOY	2.12
4	PRODUCTION	8.75	5.5	NEW	API	N	9282	14202	9282	14202	9282	14202	4920	L-80	20	BUTT	1.92	1.95	BUOY	42.52	BUOY	42.52

**Operator Name:** CIMAREX ENERGY COMPANY

**Well Name:** TRISTE DRAW 25 FEDERAL COM

**Well Number:** 13H

**Casing Attachments**

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**Casing ID:** 1      **String Type:** SURFACE

**Inspection Document:**

**Spec Document:**

**Tapered String Spec:**

**Casing Design Assumptions and Worksheet(s):**

Triste\_Draw\_25\_Fed\_Com\_13H\_Casing\_Assumptions\_03-31-2017.pdf

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**Casing ID:** 2      **String Type:** INTERMEDIATE

**Inspection Document:**

**Spec Document:**

**Tapered String Spec:**

**Casing Design Assumptions and Worksheet(s):**

Triste\_Draw\_25\_Fed\_Com\_13H\_Casing\_Assumptions\_03-31-2017.pdf

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**Casing ID:** 3      **String Type:** PRODUCTION

**Inspection Document:**

**Spec Document:**

**Tapered String Spec:**

**Casing Design Assumptions and Worksheet(s):**

Triste\_Draw\_25\_Fed\_Com\_13H\_Casing\_Assumptions\_03-31-2017.pdf

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Operator Name: CIMAREX ENERGY COMPANY

Well Name: TRISTE DRAW 25 FEDERAL COM

Well Number: 13H

Casing Attachments

Casing ID: 4 String Type: PRODUCTION

Inspection Document:

Spec Document:

Tapered String Spec:

Casing Design Assumptions and Worksheet(s):

Triste\_Draw\_25\_Fed\_Com\_13H\_Casing\_Assumptions\_03-31-2017.pdf

Section 4 - Cement

String Type	Lead/Tail	Stage Tool Depth	Top MD	Bottom MD	Quantity(sx)	Yield	Density	Cu Ft	Excess%	Cement type	Additives
SURFACE	Lead		0	1290	625	1.72	13.5	1075	50	Class C	Bentonite
SURFACE	Tail		0	1290	168	1.34	14.8	224	25	Class C	LCM
INTERMEDIATE	Lead		0	5010	939	1.88	12.9	1764	50	35:65 (Poz:C)	Salt, Bentonite
INTERMEDIATE	Tail		0	5010	292	1.34	14.8	391	25	Class C	LCM
PRODUCTION	Lead		0	9282	227	6.18	9.2	14.02	25	Class C	Extender, Salt, Strength Enhancement, LCM, Fluid loss, Retarder
PRODUCTION	Tail		0	9282	1053	1.3	14.5	1368	10	50:50 (Poz:H)	Salt, Bentonite, Fluid loss, Dispersant, Expanding Agent, Retarder, Antifoam
PRODUCTION	Lead		9282	1420 2	227	6.18	9.2	1402	25	Class C	Extender, Salt, Strength Enhancement, LCM, Fluid Loss, Retarder
PRODUCTION	Tail		9282	1420 2	1053	1.3	14.5	1368	10	50:50 (Poz:H)	Salt, Bentonite, Fluid Loss, Dispersant, Expanding Agent, Retarder, Antifoam

**Operator Name:** CIMAREX ENERGY COMPANY

**Well Name:** TRISTE DRAW 25 FEDERAL COM

**Well Number:** 13H

## Section 5 - Circulating Medium

**Mud System Type:** Closed

**Will an air or gas system be Used?** NO

**Description of the equipment for the circulating system in accordance with Onshore Order #2:**

**Diagram of the equipment for the circulating system in accordance with Onshore Order #2:**

**Describe what will be on location to control well or mitigate other conditions:** Sufficient mud materials will be kept on location at all times in order to combat lost circulation or unexpected kicks. In order to run DSTs, open hole logs, and casing, the viscosity and water loss may have to be adjusted in order to meet these needs.

**Describe the mud monitoring system utilized:** PVT/Pason/Visual Monitoring

## Circulating Medium Table

Top Depth	Bottom Depth	Mud Type	Min Weight (lbs/gal)	Max Weight (lbs/gal)	Density (lbs/cu ft)	Gel Strength (lbs/100 sqft)	PH	Viscosity (CP)	Salinity (ppm)	Filtration (cc)	Additional Characteristics
5010	1420 2	OTHER : FW/Cut Brine	8.5	9							
0	1290	SPUD MUD	8.3	8.8							
1290	5010	SALT SATURATED	9.7	10.2							

## Section 6 - Test, Logging, Coring

**List of production tests including testing procedures, equipment and safety measures:**

No DST Planned

**List of open and cased hole logs run in the well:**

CNL,DS,GR

**Coring operation description for the well:**

n/a

**Operator Name:** CIMAREX ENERGY COMPANY

**Well Name:** TRISTE DRAW 25 FEDERAL COM

**Well Number:** 13H

## Section 7 - Pressure

**Anticipated Bottom Hole Pressure:** 4600

**Anticipated Surface Pressure:** 2437.4

**Anticipated Bottom Hole Temperature(F):** 168

**Anticipated abnormal pressures, temperatures, or potential geologic hazards?** NO

**Describe:**

**Contingency Plans geohazards description:**

**Contingency Plans geohazards attachment:**

**Hydrogen Sulfide drilling operations plan required?** YES

**Hydrogen sulfide drilling operations plan:**

Triste\_Draw\_25\_Fed\_Com\_13H\_H2S\_Plan\_03-31-2017.pdf

## Section 8 - Other Information

**Proposed horizontal/directional/multi-lateral plan submission:**

Triste\_Draw\_25\_Fed\_Com\_13H\_Directional\_Prelim\_03-31-2017.pdf

**Other proposed operations facets description:**

**Other proposed operations facets attachment:**

Triste\_Draw\_25\_Fed\_Com\_13H\_Drilling\_Plan\_03-31-2017.pdf

**Other Variance attachment:**

Triste\_Draw\_25\_Fed\_Com\_13H\_Flex\_Hose\_03-31-2017.pdf

**APD ID:** 10400012822**Submission Date:** 03/31/2017Highlighted data  
reflects the most  
recent changes**Operator Name:** CIMAREX ENERGY COMPANY**Well Name:** TRISTE DRAW 25 FEDERAL COM**Well Number:** 13H[Show Final Text](#)**Well Type:** OIL WELL**Well Work Type:** Drill

## Section 1 - Existing Roads

**Will existing roads be used?** NO

## Section 2 - New or Reconstructed Access Roads

**Will new roads be needed?** YES**New Road Map:**

Triste\_Draw\_25\_Fed\_Com\_13H\_Road\_ROW\_03-31-2017.pdf

**New road type:** COLLECTOR**Length:** 20 Feet **Width (ft.):** 30**Max slope (%):** 2 **Max grade (%):** 6**Army Corp of Engineers (ACOE) permit required?** NO**ACOE Permit Number(s):****New road travel width:** 15

**New road access erosion control:** The side slopes of any drainage channels or swales that are crossed will be re-contoured to original grade and compacted and mulched as necessary to avoid erosion. Where steeper slopes cannot be avoided, water bars or silt fence will be constructed, mulch/rip-rap applied, or other measures employed as necessary to control erosion. Hay bales, straw waddles or silt fence may also be installed to control erosion as needed. All disturbed areas will be seeded with a mix appropriate for the area unless specified otherwise by the landowner.

**New road access plan or profile prepared?** NO**New road access plan attachment:****Access road engineering design?** NO**Access road engineering design attachment:****Access surfacing type:** GRAVEL**Access topsoil source:** ONSITE

**Operator Name:** CIMAREX ENERGY COMPANY

**Well Name:** TRISTE DRAW 25 FEDERAL COM

**Well Number:** 13H

**Access surfacing type description:**

**Access onsite topsoil source depth:** 6

**Offsite topsoil source description:**

**Onsite topsoil removal process:** Push off and stockpile alongside the location.

**Access other construction information:** The operator will prevent and abate fugitive dust as needed, whether created by vehicular traffic, equipment operations or other events.

**Access miscellaneous information:**

**Number of access turnouts:**

**Access turnout map:**

## Drainage Control

**New road drainage crossing:** CULVERT,LOW WATER

**Drainage Control comments:** To control and prevent potentially contaminated precipitation from leaving the pad site, a perimeter berm and settlement pond will be installed. Contaminated water will be removed from pond, stored in waste tanks, and disposed of at a state approved facility. Standing water or puddles will not be allowed. Drainage ditches would be established and maintained on the pad and along access roads to divert water away from operations. Natural drainage areas disturbed during construction would be re-contoured to near original condition prior to construction. Erosion Control Best Management Practices would be used where necessary and consist of seeding, fiber rolls, water bars, silt fences, and temporary diversion dikes. Areas disturbed during construction that are no longer needed for operations would be obliterated, re-contoured to near original condition prior to construction. Erosion Control Best Management Practices would be used where necessary and consist of seeding, fiber rolls, water bars, silt fences, and temporary diversion dikes. Areas disturbed during construction that are no longer needed for operations would be obliterated, re-contoured, and reclaimed to near original condition to re-establish natural drainage.

**Road Drainage Control Structures (DCS) description:** n/a

**Road Drainage Control Structures (DCS) attachment:**

## Access Additional Attachments

**Additional Attachment(s):**

## Section 3 - Location of Existing Wells

**Existing Wells Map?** YES

**Attach Well map:**

Triste\_Draw\_25\_Fed\_Com\_13H\_One\_Mile\_raduis\_Existing\_wells\_03-31-2017.pdf

**Existing Wells description:**

## Section 4 - Location of Existing and/or Proposed Production Facilities

**Submit or defer a Proposed Production Facilities plan?** SUBMIT

**Estimated Production Facilities description:**

**Production Facilities description:**

**Production Facilities map:**

**Operator Name:** CIMAREX ENERGY COMPANY

**Well Name:** TRISTE DRAW 25 FEDERAL COM

**Well Number:** 13H

Triste\_Draw\_25\_CTB\_West\_Battery\_Pad\_layout\_and\_public\_access\_03-31-2017.pdf

## Section 5 - Location and Types of Water Supply

### Water Source Table

**Water source use type:** INTERMEDIATE/PRODUCTION CASING,  
SURFACE CASING

**Water source type:** MUNICIPAL

**Describe type:**

**Source latitude:**

**Source longitude:**

**Source datum:**

**Water source permit type:** WATER RIGHT

**Permit Number:**

**Source land ownership:** STATE

**Water source transport method:** PIPELINE,TRUCKING

**Source transportation land ownership:** STATE

**Water source volume (barrels):** 5000

**Source volume (acre-feet):** 0.6444655

**Source volume (gal):** 210000

**Water source and transportation map:**

Triste\_Draw\_25\_Fed\_Com\_13H\_Drlg\_Water\_Route\_03-31-2017.pdf

**Water source comments:**

**New water well?** NO

### New Water Well Info

**Well latitude:**

**Well Longitude:**

**Well datum:**

**Well target aquifer:**

**Est. depth to top of aquifer(ft):**

**Est thickness of aquifer:**

**Aquifer comments:**

**Aquifer documentation:**

**Well depth (ft):**

**Well casing type:**

**Well casing outside diameter (in.):**

**Well casing inside diameter (in.):**

**New water well casing?**

**Used casing source:**

**Drilling method:**

**Drill material:**

**Grout material:**

**Grout depth:**

**Casing length (ft.):**

**Casing top depth (ft.):**

**Well Production type:**

**Completion Method:**

**Operator Name:** CIMAREX ENERGY COMPANY

**Well Name:** TRISTE DRAW 25 FEDERAL COM

**Well Number:** 13H

**Water well additional information:**

**State appropriation permit:**

**Additional information attachment:**

## Section 6 - Construction Materials

**Construction Materials description:** The drilling and testing operations will be conducted on a watered and compacted native soil grade. Soft spots will be covered with scoria, free of large rocks (3" diameter). Upon completion as a commercial producer the location will be covered with scoria, free of large rocks (3" dia.) from an existing privately owned gravel pit. In the event no caliche is found onsite, caliche will be hauled in from BLM approved Caliche pit in Sec. 18-23S-33E or Sec 7-24S-34E.

**Construction Materials source location attachment:**

## Section 7 - Methods for Handling Waste

**Waste type:** DRILLING

**Waste content description:** Drilling Fluids, drill cuttings, water and other waste produced from the well during drilling operations.

**Amount of waste:** 15000 barrels

**Waste disposal frequency :** Weekly

**Safe containment description:** n/a

**Safe containmant attachment:**

**Waste disposal type:** HAUL TO COMMERCIAL FACILITY **Disposal location ownership:** COMMERCIAL

**Disposal type description:**

**Disposal location description:** Haul to R360 commercial Disposal

**Waste type:** GARBAGE

**Waste content description:** Garbage and trash produced during drilling and completion operations

**Amount of waste:** 32500 pounds

**Waste disposal frequency :** Weekly

**Safe containment description:** n/a

**Safe containmant attachment:**

**Waste disposal type:** HAUL TO COMMERCIAL FACILITY **Disposal location ownership:** COMMERCIAL

**Disposal type description:**

**Disposal location description:** Windmill Spraying Service hauls trash to Lea County Landfill

## Reserve Pit

**Reserve Pit being used?** NO

**Operator Name:** CIMAREX ENERGY COMPANY

**Well Name:** TRISTE DRAW 25 FEDERAL COM

**Well Number:** 13H

**Temporary disposal of produced water into reserve pit?**

**Reserve pit length (ft.)**

**Reserve pit width (ft.)**

**Reserve pit depth (ft.)**

**Reserve pit volume (cu. yd.)**

**Is at least 50% of the reserve pit in cut?**

**Reserve pit liner**

**Reserve pit liner specifications and installation description**

## Cuttings Area

**Cuttings Area being used?** NO

**Are you storing cuttings on location?** NO

**Description of cuttings location**

**Cuttings area length (ft.)**

**Cuttings area width (ft.)**

**Cuttings area depth (ft.)**

**Cuttings area volume (cu. yd.)**

**Is at least 50% of the cuttings area in cut?**

**WCuttings area liner**

**Cuttings area liner specifications and installation description**

## Section 8 - Ancillary Facilities

**Are you requesting any Ancillary Facilities?:** NO

**Ancillary Facilities attachment:**

**Comments:**

## Section 9 - Well Site Layout

**Well Site Layout Diagram:**

Triste\_Draw\_25\_Fed\_Com\_13H\_Wellsite\_Layout\_03-31-2017.pdf

**Comments:**

**Operator Name:** CIMAREX ENERGY COMPANY

**Well Name:** TRISTE DRAW 25 FEDERAL COM

**Well Number:** 13H

## Section 10 - Plans for Surface Reclamation

**Type of disturbance:** NEW

**Recontouring attachment:**

**Drainage/Erosion control construction:** To control and prevent potentially contaminated precipitation from leaving the pad site, a perimeter berm and settlement pond will be installed. Contaminated water will be removed from pond, stored in waste tanks, and disposed of at a state approved facility. Standing water or puddles will not be allowed. Drainage ditches would be established and maintained on the pad and along access roads to divert water away from operations. Natural drainage areas disturbed during construction would be re-contoured to near original condition prior to construction. Erosion Control Best Management Practices would be used where necessary and consist of seeding, fiber rolls, water bars, silt fences, and temporary diversion dikes. Areas disturbed during construction that are no longer needed for operations would be obliterated, re-contoured to near original condition prior to construction. Erosion Control Best Management Practices would be used where necessary and consist of seeding, fiber rolls, water bars, silt fences, and temporary diversion dikes. Areas disturbed during construction that are no longer needed for operations would be obliterated, re-contoured, and reclaimed to near original condition to re-establish natural drainage.

**Drainage/Erosion control reclamation:** All disturbed and re-contoured areas would be reseeded according to specifications. Approved seed mixtures would be certified weed free and consist of grasses, forbs, or shrubs similar to the surrounding area. Compacted soil areas may need to be obliterated and reclaimed to near natural conditions by re-contouring all slopes to facilitate and re-establish natural drainage.

**Wellpad long term disturbance (acres):** 6.902

**Wellpad short term disturbance (acres):** 6.902

**Access road long term disturbance (acres):** 1.162

**Access road short term disturbance (acres):** 1.162

**Pipeline long term disturbance (acres):** 26.524794

**Pipeline short term disturbance (acres):** 3.2969697

**Other long term disturbance (acres):** 6.075

**Other short term disturbance (acres):** 0

**Total long term disturbance:** 40.66379

**Total short term disturbance:** 11.36097

**Reconstruction method:** After well plugging, all disturbed areas would be returned to the original contour or a contour that blends with the surrounding landform including roads unless the surface owner requests that they be left intact. In consultation with the surface owners it will be determined if any gravel or similar materials used to reinforce an area are to be removed, buried, or left in place during final reclamation. Salvaged topsoil, if any, would be re-spread evenly over the surfaces to be re-vegetated. As necessary, the soil surface would be prepared to provide a seedbed for re-establishment of desirable vegetation. Site preparation may include gouging, scarifying, dozer track-walking, mulching, or fertilizing.

**Reclamation, Re-vegetation, and Drainage:** All disturbed and re-contoured areas would be reseeded using techniques outlined under Phase I and II of this plan or as specified by the land owner. Approved seed mixtures would be certified weed free and consist of grasses, forbs, or shrubs similar to the surrounding area. Compacted soil areas may need to be obliterated and reclaimed to near natural conditions by re-contouring all slopes to facilitate and re-establish natural drainage.

**Topsoil redistribution:** Salvaged topsoil, if any, would be re-spread evenly over the surfaces to be re-vegetated.

**Soil treatment:** As necessary, the soil surface would be prepared to provide a seedbed for re-establishment of desirable vegetation. Site preparation may include gouging, scarifying, dozer track-walking, mulching or fertilizing.

**Existing Vegetation at the well pad:**

**Existing Vegetation at the well pad attachment:**

**Existing Vegetation Community at the road:**

**Existing Vegetation Community at the road attachment:**

**Existing Vegetation Community at the pipeline:**

**Existing Vegetation Community at the pipeline attachment:**

**Existing Vegetation Community at other disturbances:**

**Existing Vegetation Community at other disturbances attachment:**

**Operator Name:** CIMAREX ENERGY COMPANY

**Well Name:** TRISTE DRAW 25 FEDERAL COM

**Well Number:** 13H

**Non native seed used?** NO

**Non native seed description:**

**Seedling transplant description:**

**Will seedlings be transplanted for this project?** NO

**Seedling transplant description attachment:**

**Will seed be harvested for use in site reclamation?** NO

**Seed harvest description:**

**Seed harvest description attachment:**

## Seed Management

### Seed Table

**Seed type:**

**Seed source:**

**Seed name:**

**Source name:**

**Source address:**

**Source phone:**

**Seed cultivar:**

**Seed use location:**

**PLS pounds per acre:**

**Proposed seeding season:**

### Seed Summary

**Total pounds/Acre:**

**Seed Type**

**Pounds/Acre**

**Seed reclamation attachment:**

### Operator Contact/Responsible Official Contact Info

**First Name:**

**Last Name:**

**Phone:**

**Email:**

**Seedbed prep:**

**Seed BMP:**

**Seed method:**

**Existing invasive species?** NO

**Existing invasive species treatment description:**

**Existing invasive species treatment attachment:**

**Operator Name:** CIMAREX ENERGY COMPANY

**Well Name:** TRISTE DRAW 25 FEDERAL COM

**Well Number:** 13H

**Weed treatment plan description:** n/a

**Weed treatment plan attachment:**

**Monitoring plan description:** n/a

**Monitoring plan attachment:**

**Success standards:** n/a

**Pit closure description:** n/a

**Pit closure attachment:**

## Section 11 - Surface Ownership

**Disturbance type:** WELL PAD

**Describe:**

**Surface Owner:** BUREAU OF LAND MANAGEMENT

**Other surface owner description:**

**BIA Local Office:**

**BOR Local Office:**

**COE Local Office:**

**DOD Local Office:**

**NPS Local Office:**

**State Local Office:**

**Military Local Office:**

**USFWS Local Office:**

**Other Local Office:**

**USFS Region:**

**USFS Forest/Grassland:**

**USFS Ranger District:**

## Section 12 - Other Information

**Right of Way needed?** YES

**Use APD as ROW?** YES

**ROW Type(s):** 281001 ROW - ROADS,288100 ROW – O&G Pipeline,288101 ROW – O&G Facility Sites,288103 ROW – Salt Water Disposal Pipeline/Facility,289001 ROW- O&G Well Pad,FLPMA (Powerline),Other

## ROW Applications

**Operator Name:** CIMAREX ENERGY COMPANY

**Well Name:** TRISTE DRAW 25 FEDERAL COM

**Well Number:** 13H

**SUPO Additional Information:**

**Use a previously conducted onsite?** YES

**Previous Onsite information:** Onsite with BLM (Jeff Robertson) & Cimarex (Barry Hunt) on Feb 21, 2017. V-Door East. Top soil East. Interim reclamation: All sides. Access road at NW corner, west into access road to the battery.

**Other SUPO Attachment**

- Triste\_Draw\_25\_CTB\_West\_Access\_Road\_03-31-2017.pdf
- Triste\_Draw\_25\_CTB\_West\_Gas\_Sales\_ROW\_03-31-2017.pdf
- Triste\_Draw\_25\_CTB\_West\_Powerline\_ROW\_03-31-2017.pdf
- Triste\_Draw\_25\_CTB\_West\_SWD\_ROW\_03-31-2017.pdf
- Triste\_Draw\_25\_Fed\_Com\_13H\_Flow\_line\_ROW\_03-31-2017.pdf
- Triste\_Draw\_25\_Fed\_Com\_13H\_Gas\_Lift\_ROW\_03-31-2017.pdf
- Triste\_Draw\_25\_Fed\_Com\_13H\_Public\_Access\_03-31-2017.pdf
- Triste\_Draw\_25\_Fed\_Com\_13H\_Road\_Description\_03-31-2017.pdf
- Triste\_Draw\_25\_Fed\_Com\_13H\_SUPO\_03-31-2017.pdf
- Triste\_Draw\_25\_Fed\_Com\_13H\_Temp\_Frac\_Water\_Route\_03-31-2017.pdf
- Triste\_Draw\_25\_Fed\_Com\_13H\_Gas\_Capture\_Plan\_08-07-2017.pdf
- Triste\_Draw\_25\_Fed\_Com\_13H\_Interim\_Reclamation\_08-07-2017.pdf

## Section 1 - General

Would you like to address long-term produced water disposal? NO

## Section 2 - Lined Pits

Would you like to utilize Lined Pit PWD options? NO

Produced Water Disposal (PWD) Location:

PWD surface owner:

PWD disturbance (acres):

Lined pit PWD on or off channel:

Lined pit PWD discharge volume (bbl/day):

Lined pit specifications:

Pit liner description:

Pit liner manufacturers information:

Precipitated solids disposal:

Describe precipitated solids disposal:

Precipitated solids disposal permit:

Lined pit precipitated solids disposal schedule:

Lined pit precipitated solids disposal schedule attachment:

Lined pit reclamation description:

Lined pit reclamation attachment:

Leak detection system description:

Leak detection system attachment:

Lined pit Monitor description:

Lined pit Monitor attachment:

Lined pit: do you have a reclamation bond for the pit?

Is the reclamation bond a rider under the BLM bond?

Lined pit bond number:

Lined pit bond amount:

Additional bond information attachment:

### Section 3 - Unlined Pits

Would you like to utilize Unlined Pit PWD options? NO

Produced Water Disposal (PWD) Location:

PWD surface owner:

PWD disturbance (acres):

Unlined pit PWD on or off channel:

Unlined pit PWD discharge volume (bbl/day):

Unlined pit specifications:

Precipitated solids disposal:

Describe precipitated solids disposal:

Precipitated solids disposal permit:

Unlined pit precipitated solids disposal schedule:

Unlined pit precipitated solids disposal schedule attachment:

Unlined pit reclamation description:

Unlined pit reclamation attachment:

Unlined pit Monitor description:

Unlined pit Monitor attachment:

Do you propose to put the produced water to beneficial use?

Beneficial use user confirmation:

Estimated depth of the shallowest aquifer (feet):

Does the produced water have an annual average Total Dissolved Solids (TDS) concentration equal to or less than that of the existing water to be protected?

TDS lab results:

Geologic and hydrologic evidence:

State authorization:

Unlined Produced Water Pit Estimated percolation:

Unlined pit: do you have a reclamation bond for the pit?

Is the reclamation bond a rider under the BLM bond?

Unlined pit bond number:

Unlined pit bond amount:

Additional bond information attachment:

### Section 4 - Injection

Would you like to utilize Injection PWD options? NO

Produced Water Disposal (PWD) Location:

PWD surface owner:

PWD disturbance (acres):

Injection PWD discharge volume (bbl/day):

Injection well mineral owner:

Injection well type:

Injection well number:

Injection well name:

Assigned injection well API number?

Injection well API number:

Injection well new surface disturbance (acres):

Minerals protection information:

Mineral protection attachment:

Underground Injection Control (UIC) Permit?

UIC Permit attachment:

### Section 5 - Surface Discharge

Would you like to utilize Surface Discharge PWD options? NO

Produced Water Disposal (PWD) Location:

PWD surface owner:

PWD disturbance (acres):

Surface discharge PWD discharge volume (bbl/day):

Surface Discharge NPDES Permit?

Surface Discharge NPDES Permit attachment:

Surface Discharge site facilities information:

Surface discharge site facilities map:

### Section 6 - Other

Would you like to utilize Other PWD options? NO

Produced Water Disposal (PWD) Location:

PWD surface owner:

PWD disturbance (acres):

Other PWD discharge volume (bbl/day):

Other PWD type description:

Other PWD type attachment:

Have other regulatory requirements been met?

Other regulatory requirements attachment:



U.S. Department of the Interior  
BUREAU OF LAND MANAGEMENT

## Bond Information

Federal/Indian APD: FED

BLM Bond number: NMB001188

BIA Bond number:

Do you have a reclamation bond? NO

Is the reclamation bond a rider under the BLM bond?

Is the reclamation bond BLM or Forest Service?

BLM reclamation bond number:

Forest Service reclamation bond number:

Forest Service reclamation bond attachment:

Reclamation bond number:

Reclamation bond amount:

Reclamation bond rider amount:

Additional reclamation bond information attachment: