

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OCD Hobbs

FORM APPROVED
OMB NO. 1004-0135
Expires: July 31, 2010**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.

HOBBS OCD

SUBMIT IN TRIPLICATE - Other instructions on reverse side.

JAN 07 2014

1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. NMNM127894
2. Name of Operator CIMAREX ENERGY COMPANY		6. If Indian, Allottee or Tribe Name
3a. Address 202 S. CHEYENNE AVE, STE 1000 TULSA, OK 74103-3001		7. If Unit or CA/Agreement, Name and/or No.
3b. Phone No. (include area code) Ph: 918-295-1763		8. Well Name and No. DIAMONDTAIL 23 FEDERAL 4
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 23 T23S R32E NENW 330FNL 1955FWL		9. API Well No. 30-025-40770
		10. Field and Pool, or Exploratory VARIOUS
		11. County or Parish, and State LEA COUNTY, NM

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

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" 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"/> Fracture Treat	<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 checked="" 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 recompleat 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 performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

Cimarex Energy respectfully requests approval to construct a 520'X520' frac pit on the Diamondtail 23 Federal lease. Pit floor will be lined with Geofoam an caliche to protect against rocks if any. Pit will be fenced with a 5 wire barb wire fence with a 12' gate at the NE corner of the pit. The pit will service Cimarex operated Bone Springs completions in the area. Fast lines for water haulers will be utilized along existing roads to fill the pit and transport fresh water to the wells for fracing. When drilling has ceased in the area, the pit will be reclaimed, contoured, and reseeded per BLM specs.

Diagram attached.

MOA for pit sent under separete cover.

Surface Ok-JR 12/19/13

14. I hereby certify that the foregoing is true and correct.	
Electronic Submission #228750 verified by the BLM Well Information System For CIMAREX ENERGY COMPANY, sent to the Hobbs Committed to AFMSS for processing by JOHNNY DICKERSON on 12/06/2013 ()	
Name (Printed/Typed) TERRI STATHEM	Title COORDINATOR REGULATORY COMPLIA
Signature (Electronic Submission)	Date 12/05/2013

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By <u>Lois D. Layton</u>	Title <u>MRS</u>	Date <u>12/19/13</u>
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 <u>CFO</u>	

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.

** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED **

JAN 08 2014

N00°02'47"W - 2640.0'

Section Line

L2	S00°02'11"E	30.01'
L3	N89°58'46"E	7.52'
L4	S00°01'14"E	80.00'
L5	N89°58'46"E	50.00'
L6	S00°01'14"E	570.00'
L7	S89°58'46"W	620.00'
L8	N00°01'14"W	570.00'
L9	N89°58'46"E	50.00'
L10	N00°01'14"W	80.00'
L11	N89°58'46"E	74.00'
L12	N89°58'46"E	438.48'

-NW 1/4-

1/16 Section Line

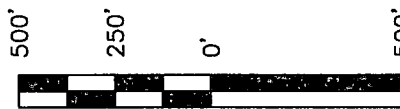
L7

-NE 1/4-

SURFACE USE AREA
DIAMONDTAIL FRAC POND
Contains 9.068 Acres

1/16 Section Line

1/4 Section Line



SCALE

▲ = SECTION CORNERS LOCATED.

1/4 Section Line

Sec. 23

BEGINNING OF ROAD STA. 0+00 BEARS S03°04'46"W 520.77' FROM THE NORTH 1/4 CORNER OF SECTION 23, T23S, R32E, N.M.P.M.

END OF ROAD STA. 0+30.03 BEARS S02°54'35"W 550.74' FROM THE NORTH 1/4 CORNER OF SECTION 23, T23S, R32E, N.M.P.M.

BEGINNING OF ALTERNATE ROAD STA. 0+00 BEARS S41°53'24"W 698.61' FROM THE NORTH 1/4 CORNER OF SECTION 23, T23S, R32E, N.M.P.M.

END OF ALTERNATE ROAD STA. 0+30.01 BEARS S40°17'27"W 721.30' FROM THE NORTH 1/4 CORNER OF SECTION 23, T23S, R32E, N.M.P.M.

ROAD RIGHT-OF-WAY DESCRIPTION

A 15' WIDE RIGHT-OF-WAY 7.5' ON EACH SIDE OF THE FOLLOWING DESCRIBED CENTERLINE.

BEGINNING AT A POINT IN THE NE 1/4 NW 1/4 OF SECTION 23, T23S, R32E, N.M.P.M., WHICH BEARS S03°04'46"W 520.77' FROM THE NORTH 1/4 CORNER OF SAID SECTION 23, THENCE S00°01'57"E 30.03' TO A POINT IN THE NE 1/4 NW 1/4 OF SAID SECTION 23, WHICH BEARS S02°54'35"W 550.74' FROM THE NORTH 1/4 CORNER OF SAID SECTION 23. THE SIDE LINES OF SAID DESCRIBED RIGHT-OF-WAY BEING SHORTENED OR ELONGATED TO MEET THE GRANTOR'S PROPERTY LINES. BASIS OF BEARINGS IS A G.P.S. OBSERVATION. CONTAINS 0.010 ACRES MORE OR LESS.

ALTERNATE ROAD RIGHT-OF-WAY DESCRIPTION

A 15' WIDE RIGHT-OF-WAY 7.5' ON EACH SIDE OF THE FOLLOWING DESCRIBED CENTERLINE.

BEGINNING AT A POINT IN THE NE 1/4 NW 1/4 OF SECTION 23, T23S, R32E, N.M.P.M., WHICH BEARS S41°53'24"W 698.61' FROM THE NORTH 1/4 CORNER OF SAID SECTION 23, THENCE S00°02'11"E 30.01' TO A POINT IN THE NE 1/4 NW 1/4 OF SAID SECTION 23, WHICH BEARS S40°17'27"W 721.30' FROM THE NORTH 1/4 CORNER OF SAID SECTION 23. THE SIDE LINES OF SAID DESCRIBED RIGHT-OF-WAY BEING SHORTENED OR ELONGATED TO MEET THE GRANTOR'S PROPERTY LINES. BASIS OF BEARINGS IS A G.P.S. OBSERVATION. CONTAINS 0.010 ACRES MORE OR LESS.

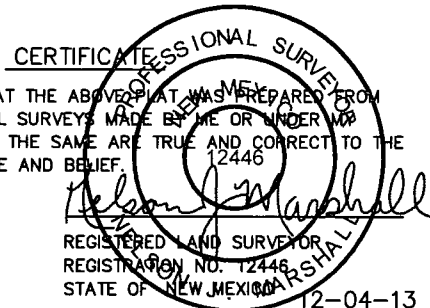
FRAC POND SURFACE USE AREA DESCRIPTION

BEGINNING AT A POINT IN THE NE 1/4 NW 1/4 OF SECTION 23, T23S, R32E, N.M.P.M., WHICH BEARS S02°54'35"W 550.74' FROM THE NORTH 1/4 CORNER OF SAID SECTION 23, THENCE N89°58'46"E 7.52'; THENCE S00°01'14"E 80.00'; THENCE N89°58'46"E 50.00'; THENCE S00°01'14"E 570.00'; THENCE S89°58'46"W 620.00'; THENCE N00°01'14"W 570.00'; THENCE N89°58'46"E 50.00'; THENCE N00°01'14"W 80.00'; THENCE N89°58'46"E 74.00'; THENCE N89°58'46"E 438.48' TO THE POINT BEGINNING. BASIS OF BEARINGS IS A G.P.S. OBSERVATION. CONTAINS 9.068 ACRES MORE OR LESS.

RIGHT-OF-WAY LENGTHS

DESCRIPTION	FEET	ACRES	RODS
ACCESS ROAD	30.03	0.010	1.82
ALTERNATE ACCESS ROAD	30.01	0.010	1.82
TOTAL	60.04	0.020	3.64

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.



REGISTERED LAND SURVEYOR
REGISTRATION NO. 12446
STATE OF NEW MEXICO
12-04-13

NOTES:

- The maximum grade of existing ground for the proposed access road is $\pm 3\%$.
- The maximum grade of existing ground for the proposed alternate access road is $\pm 1\%$.



CIMAREX ENERGY CO.

DIAMONDTAIL FRAC POND
SECTION 23, T23S, R32E, N.M.P.M.
LEA, COUNTY, NEW MEXICO

DRAWN BY: B.D.H.

SCALE: 1" = 500'

DATE: 12-04-13

REVISED:

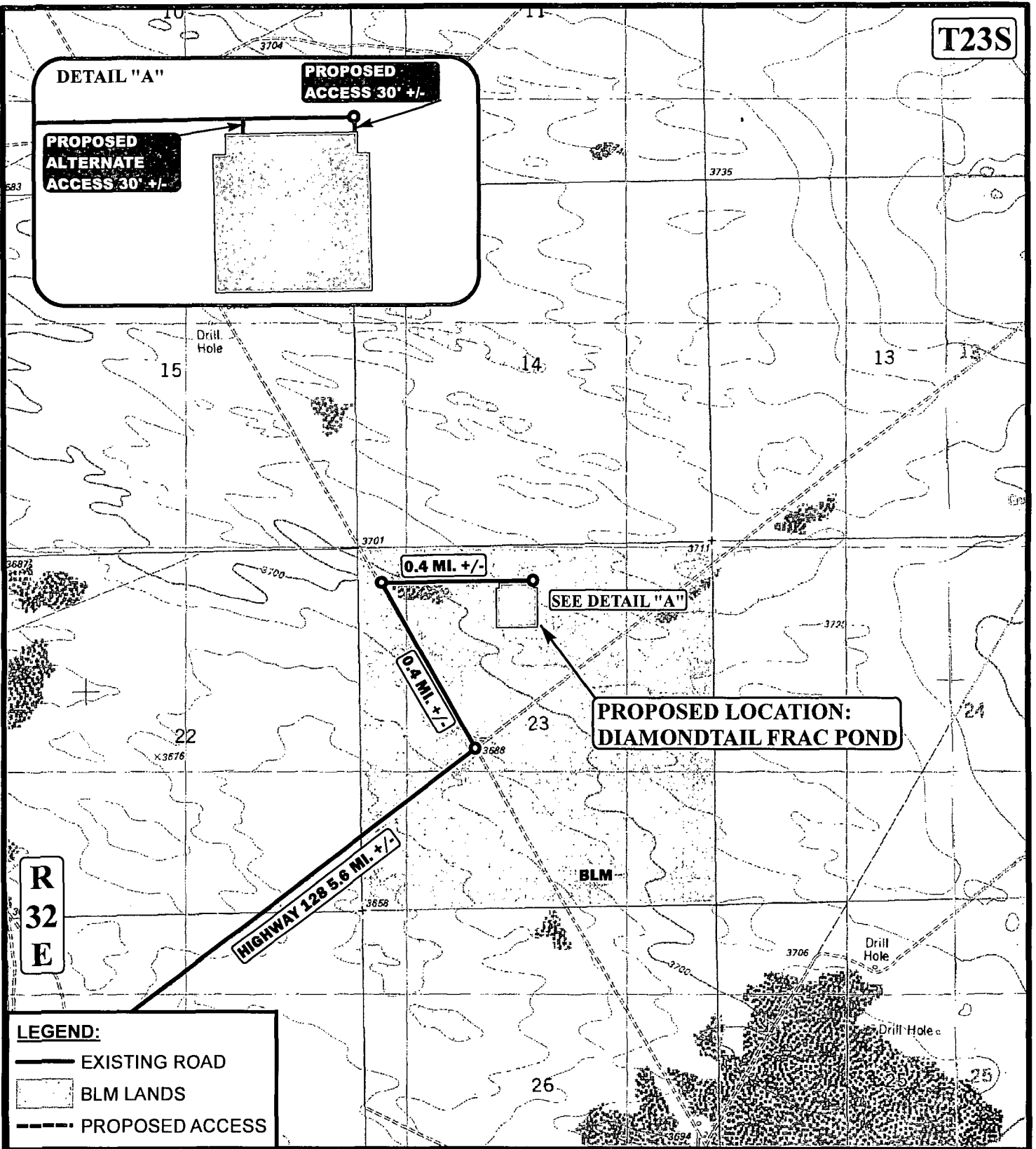
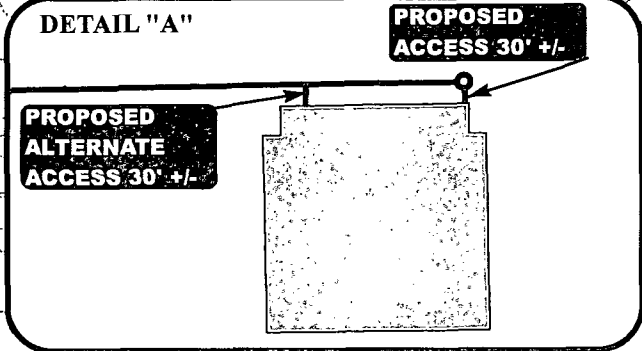
FRAC POND R-O-W

EXHIBIT 1



Corporate Office * 85 South 200 East
Vernal, UT 84078 * (435) 789-1017

T23S



**R
32
E**

- LEGEND:**
- EXISTING ROAD
 - BLM LANDS
 - PROPOSED ACCESS

*PARCEL DATA SHOWN HAS BEEN OBTAINED FROM VARIOUS SOURCES AND SHOULD BE USED FOR MAPPING, GRAPHIC AND PLANNING PURPOSES ONLY. NO WARRANTY IS MADE BY UINAH ENGINEERING & LAND SURVEYING (UELS) FOR ACCURACY OF THE PARCEL DATA.

SCALE: 1" = 2000'	REVISED: 00-00-00
DRAWN BY: L.S.	
DATE DRAWN: 12-04-13	

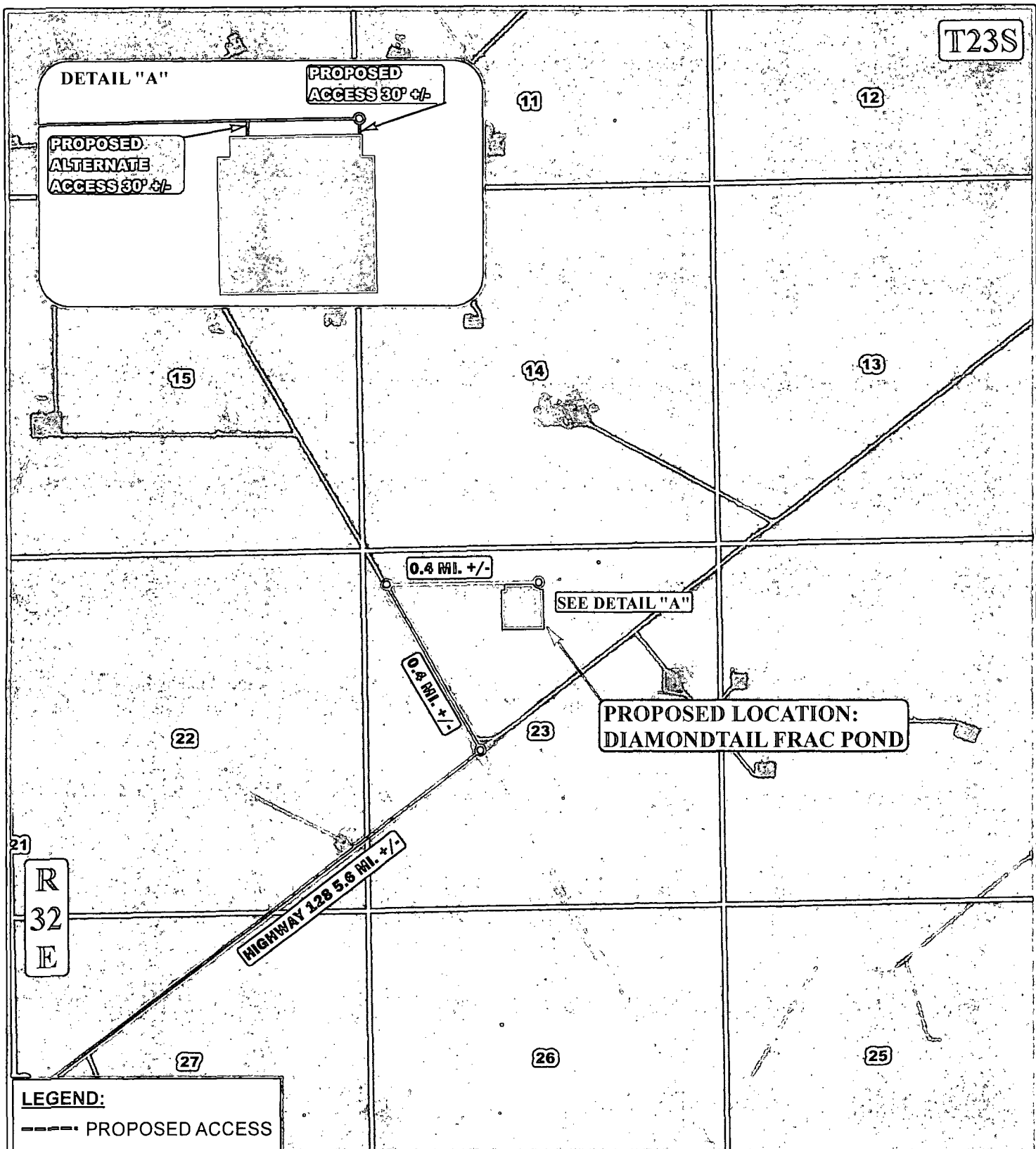


CIMAREX ENERGY CO.



Corporate Office * 85 South 200 East
Vernal, UT 84078 * (435) 789-1017

DIAMONDTAIL FRAC POND
SECTION 23, T23S, R32E, N.M.P.M.
LEA, COUNTY, NEW MEXICO



LEGEND:

----- PROPOSED ACCESS

*PARCEL DATA SHOWN HAS BEEN OBTAINED FROM VARIOUS SOURCES AND SHOULD BE USED FOR MAPPING, GRAPHIC AND PLANNING PURPOSES ONLY. NO WARRANTY IS MADE BY UTAH ENGINEERING & LAND SURVEYING (UELS) FOR ACCURACY OF THE PARCEL DATA.

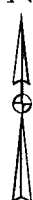
SCALE: 1" = 2000'

REVISED: 00-00-00

DRAWN BY: L.S.

DATE DRAWN: 12-04-13

N



CIMAREX ENERGY CO.

DIAMONDTAIL FRAC POND
SECTION 23, T23S, R32E, N.M.P.M.
LEA, COUNTY, NEW MEXICO



Corporate Office * 85 South 200 East
Vernal, UT 84078 * (435) 789-1017

ARIAL ACCESS ROAD MAP EXHIBIT C-1

BLM LEASE NUMBER: NMNM127894

COMPANY NAME: Cimarex Energy Company of Colorado

ASSOCIATED WELL NAME: Diamondtail 23 Federal #4

HOBBS OCD
JAN 07 2014
RECEIVED

FRAC POND CONDITIONS OF APPROVAL

A copy of the application (APD, Grant, or Sundry Notice) and attachments, including stipulations, survey plat and diagram, will be on location during construction. BLM personnel may request to see a copy of your permit during construction to ensure compliance with all conditions of approval.

Holder agrees to comply with the following conditions of approval to the satisfaction of the Authorized Officer:

Lesser Prairie Chicken Timing Stipulations

Timing Limitation Stipulation/Condition of Approval for Lesser Prairie-Chicken: Oil and gas activities including 3-D geophysical exploration, and drilling will not be allowed in lesser prairie-chicken habitat during the period from March 1st through June 15th annually. During that period, other activities that produce noise or involve human activity, such as the maintenance of oil and gas facilities, geophysical exploration other than 3-D operations, and pipeline, road, and well pad construction, will be allowed except between 3:00 am and 9:00 am. The 3:00 am to 9:00 am restriction will not apply to normal, around-the-clock operations, such as venting, flaring, or pumping, which do not require a human presence during this period. Additionally, no new drilling will be allowed within up to 200 meters of leks known at the time of permitting. Normal vehicle use on existing roads will not be restricted. Exhaust noise from pump jack engines must be muffled or otherwise controlled so as not to exceed 75 db measured at 30 ft. from the source of the noise.

1. The Holder shall indemnify the United States against any liability for damage to life or property arising from the occupancy or use of public lands under this permit.
2. The Holder shall comply with all applicable Federal laws and regulations existing or hereafter enacted or promulgated.
3. Required Standard Conditions of Approval:
 - a. **Notification**
Contact the Supervisory Environmental Protection Specialist, Jim Amos, at 575-234-5909 at least 24 hours prior to starting construction.
 - b. **Freshwater Only**
The frac pond will only be authorized to contain freshwater and testing of water quality is required. Additives are not allowed without consent of the authorized officer in writing.
 - c. **Contamination**
If at any time the water in the frac pond becomes polluted with salts or other contaminants, use of the frac pond will cease and desist, and all liquids will be removed from the frac pond and disposed of properly. The operator will preclude

releases of oil into open pits. The operator must remove any accumulation of oil, condensate, or contaminant in a pit within 48 hours of discovery.

d. **Authorized Disturbance**

Confine all construction and maintenance activity to the approved authorized area applied for in the application.

e. **Facilities**

Porto-johns and trash containers will be on-location during fracturing operations or any other crew-intensive operations. Grey-water, sewage, and trash shall be removed from the site and disposed of properly at a state approved facility.

f. **Escape Ramps**

The operator will construct and maintain frac ponds to prevent livestock, wildlife, and humans from becoming entrapped. At a minimum, the operator will construct and maintain escape ramps, ladders, or other methods of avian and terrestrial wildlife escape in frac ponds. Escape ramps must be installed at every corner of the frac pond and in the center of each side if that side exceeds 100 feet in length. Escape ramps must be in contact with the side of the frac pond, bottom of the frac pond, and the top of the frac pond berm. Escape ramps cannot be made of metal and cannot be steeper than a 3:1 slope (Horizontal Distance: Vertical Distance) or 30% slope. (*Examples of escape ramps: 12" wide wooden planks wrapped in matting, felt lining, etc.*)

g. **Frac Pond Pipelines**

Temporary pipelines flowing from the frac pond to the target well will be laid along existing roadways unless an exception has been granted by the authorized officer in writing.

h. **Mineral Material from Excavation**

Mineral materials extracted during construction of the frac pond will be stored on-location and/or used for constructing the frac pond.

i. **Frac Pond Liner**

The frac pond will be lined with at least a 30 mil. plastic liner. The plastic lining will be removed prior to final abandonment.

j. **Topsoil Stockpile**

The operator shall strip at least the top 6 inches of soil (root zone) from the entire frac pond area and stockpile the topsoil approximately 25 feet outside the bermed perimeter of the pond in a low profile manner, reasonably protected from wind and water erosion. Topsoil shall not be used for constructing the frac pond. The topsoil will be used for final reclamation purposes only.

k. **Frac Pond Fence**

The operator will install and maintain enclosure fencing on all sides of the frac pond to prevent access to public, livestock, and large forms of wildlife. The fence shall be installed at the base of the berm and never on top of the berm. Construction of the fence shall consist of steel and/or wooden posts set firmly into natural ground. Hog panel or chain-link fencing must be used as the fence and tied securely to the fence posts. Barbed-wire fencing or electric fences shall not be used. The fence height shall not be shorter than six (6) feet. The erected fence shall be maintained in adequate condition until the frac pond is reclaimed.

l. **Erosion Prevention**

Install earthen erosion-control structures as are suitable for the specific terrain and soil conditions.

m. Reclamation Start

- I. Reclamation efforts will commence immediately after the frac pond is no longer needed for the purpose of completing wells.
- II. Within 3 months of completion of frac operations on associated wells, all earthwork and final reclamation must be completed. This includes reclaiming and/or removal of:
 - i. Any roads approved for use with the pond
 - ii. Surface water lines
 - iii. Tanks, pumps, fencing etc.

Requirements for Operations and Final Reclamation:

4. If, during any phase of the construction, operation, maintenance, or termination of the frac pond, any pollutant should be released from the contaminated frac pond, the control and total removal, disposal, and cleaning up of such pollutant, wherever found, shall be the responsibility of holder, regardless of fault.

Upon failure of holder to control, dispose of, or clean up such discharge, or to repair all damages resulting there-from, the Authorized Officer may take such measures as he deems necessary to control and clean up the discharge and restore the area, including where appropriate, the aquatic environment and fish and wildlife habitats, at the full expense of the holder. Such action by the Authorized Officer shall not relieve holder of any responsibility as provided herein.

5. Any cultural and/or paleontological resources (historic or prehistoric site or object) discovered by the holder, or any person working on his behalf shall be immediately reported to the Authorized Officer. Holder shall suspend all operations in the immediate area of such discovery until written authorization to proceed is issued by the Authorized Officer. An evaluation of the discovery will be made by the Authorized Officer to determine appropriate actions to prevent the loss of significant cultural or scientific values. The holder will be responsible for the cost of evaluation and any decision as to proper mitigation measures will be made by the Authorized Officer after consulting with the holder.

6. The operator shall be held responsible if noxious weeds become established within the areas of operations. Weed control shall be required on the disturbed land where noxious weeds exist, which includes the roads, pads, associated pipeline corridor, and adjacent land affected by the establishment of weeds due to this action. The operator shall consult with the Authorized Officer for acceptable weed control methods, which include following EPA and BLM requirements and policies.

7. After all disturbed areas have been satisfactorily contoured and prepared for seeding the location needs to be revegetated with the seed mixture provided. Seeding may need to be repeated until revegetation is successful. Operators shall contact Jim Amos,

Supervisor, Environmental Protection -- (575)234-5909, **prior** to beginning surface reclamation operations.

8. Seeding is required: Use the following seed mix.

- | | |
|---|--|
| <input type="checkbox"/> seed mixture 1 | <input type="checkbox"/> seed mixture 3 |
| <input type="checkbox"/> seed mixture 2 | <input type="checkbox"/> seed mixture 4 |
| <input checked="" type="checkbox"/> LPC mixture | <input type="checkbox"/> Aplomado Falcon mix |

Seed Mixture for LPC Sand/Shinnery Sites

The holder shall seed all disturbed areas with the seed mixture listed below. The seed mixture shall be planted in the amounts specified in pounds of pure live seed (PLS)* per acre. There shall be no primary or secondary noxious weeds in the seed mixture. Seed will be tested and the viability testing of seed will be done in accordance with State law(s) and within nine (9) months prior to purchase. Commercial seed will be either certified or registered seed. The seed container will be tagged in accordance with State law(s) and available for inspection by the authorized officer.

Seed will be planted using a drill equipped with a depth regulator to ensure proper depth of planting where drilling is possible. The seed mixture will be evenly and uniformly planted over the disturbed area (smaller/heavier seeds have a tendency to drop the bottom of the drill and are planted first). The holder shall take appropriate measures to ensure this does not occur. Where drilling is not possible, seed will be broadcast and the area shall be raked or chained to cover the seed. When broadcasting the seed, the pounds per acre are to be doubled. The seeding will be repeated until a satisfactory stand is established as determined by the authorized officer. Evaluation of growth will not be made before completion of at least one full growing season after seeding.

Species to be planted in pounds of pure live seed* per acre:

<u>Species</u>	<u>lb/acre</u>
Plains Bristlegrass	5lbs/A
Sand Bluestem	5lbs/A
Little Bluestem	3lbs/A
Big Bluestem	6lbs/A
Plains Coreopsis	2lbs/A
Sand Dropseed	1lbs/A

*Pounds of pure live seed:

Pounds of seed x percent purity x percent germination = pounds pure live seed

Temporary Freshwater Pipelines (Drilling and Fracturing Operations)
CONDITIONS OF APPROVAL

Must follow existing disturbance.

Maintain a copy of your temporary permit and your approved route diagram on location. BLM personnel may request to see a copy of your permit during construction to ensure compliance with all conditions of approval.

Holder agrees to comply with the following conditions of approval to the satisfaction of the Authorized Officer:

1. The Holder shall indemnify the United States against any liability for damage to life or property arising from the occupancy or use of public lands under this permit.

2. Standard Conditions of Approval:

- Temporary pipelines must be removed within 30-45 days from this route unless granted in writing by the authorized officer.
- Temporary pipelines flowing from the frac pond to the target well(s) will be laid along existing roadways unless an exception has been granted by the authorized officer.
- Pipe will be hand-carried and hand-laid along any cross country portion of the approved route.
- Areas impacted (disturbed greater than vegetation compaction) by your project may require full reclamation.
- Pipelines will be empty before disassembly. Flow water back to the pond whenever possible.
- Do not restrict traffic on existing roads. Place ramps where needed.
- Pipe will be placed not more than 2 feet off the edge of existing lease roads, 2-track roads, or buried pipeline corridors.
- All pumps will be placed on existing disturbance (pads, roads, etc.).

3. Any cultural and/or paleontological resources (historic or prehistoric site or object) discovered by the holder, or any person working on his behalf shall be immediately reported to the Authorized Officer. Holder shall suspend all operations in the immediate area of such discovery until written authorization to proceed is issued by the Authorized Officer.

1. Timing Limitation Stipulation/Condition of Approval for Lesser Prairie-Chicken: Oil and gas activities including 3-D geophysical exploration, and drilling will not be allowed in lesser prairie-chicken habitat during the period from March 1st through June 15th annually. During that period, other activities that produce noise or involve human activity, such as the maintenance of oil and gas facilities, geophysical exploration other than 3-D operations, and pipeline, road, and well pad construction, will be allowed except between 3:00 am and 9:00 am. The 3:00 am to 9:00 am restriction will not apply to normal, around-the-clock operations, such as venting, flaring, or pumping, which do not require a human presence during this period. Additionally, no new drilling will be allowed within up to 200 meters of leks known at

the time of permitting. Normal vehicle use on existing roads will not be restricted. Exhaust noise from pump jack engines must be muffled or otherwise controlled so as not to exceed 75 db measured at 30 ft. from the source of the noise.