

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Carlsbad Field Office FORM APPROVED
NO. 1004-0137

Expires: January 31, 2018

Operator Copy
Serial No.
NMNM26394

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

SUBMIT IN TRIPLICATE - Other instructions on page 2

HOBBS CCD

FEB 18 2020

RECEIVED

1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other		6. If Indian, Allottee or Tribe Name
2. Name of Operator CIMAREX ENERGY COMPANY Contact: AMITHY E CRAWFORD E-Mail: acrawford@cimarex.com		7. If Unit or CA/Agreement, Name and/or No.
3a. Address 600 N. MARIENFELD SUITE 600 MIDLAND, TX 79701	3b. Phone No. (include area code) Ph: 432-620-1909	8. Well Name and No. VACA DRAW 20-17 FEDERAL 29H
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 20 T25S R33E SWSW 331FSL 1251FWL 32.109741 N Lat, 103.598808 W Lon		9. API Well No. 30-025-46113-00-X1
		10. Field and Pool or Exploratory Area BONE SPRINGS
		11. County or Parish, State LEA COUNTY, NM

12. CHECK THE 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"/> Hydraulic Fracturing	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other Right of Way
	<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 recomplete 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 must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.

Cimarex Energy Co. respectfully requests to run Bulk Lines instead of Flowlines and to Upsize the gas lift line.

We have been working on engineering solutions to reduce our footprint in the section to lower cost, disturbance, and our economic hurdle for other marginal benches within the section to increase our total mineral recovery. It turns out that simply changing our flowline / well approach and moving our separation to our drilling pads significantly reduces our foot print and cost. By placing our separation on our drill pads we can use 6-12 Group lines to gather the separated oil gas and water from the entire section instead of using up to 90 flowlines to move production to the tank batteries for separation. The Group line ability to gather the entire section helps us eliminate 2 batteries per section by simply utilizing the group line approach.

Surface good - NM. 1/21/2020. DOI-BLM-NM-P020-2019-0388-EA. Some stipulations apply.

14. I hereby certify that the foregoing is true and correct.

**Electronic Submission #498902 verified by the BLM Well Information System
For CIMAREX ENERGY COMPANY, sent to the Hobbs
Committed to AFMSS for processing by JUANA MEDRANO on 01/14/2020 (20JM0062SE)**

Name (Printed/Typed) AMITHY E CRAWFORD	Title REGULATORY ANALYST
Signature (Electronic Submission)	Date 01/13/2020

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By <i>[Signature]</i>	Title <i>JM-LM</i>	Date <i>01/29/2020</i>
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 <i>CPD</i>

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)

**** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ****

K2

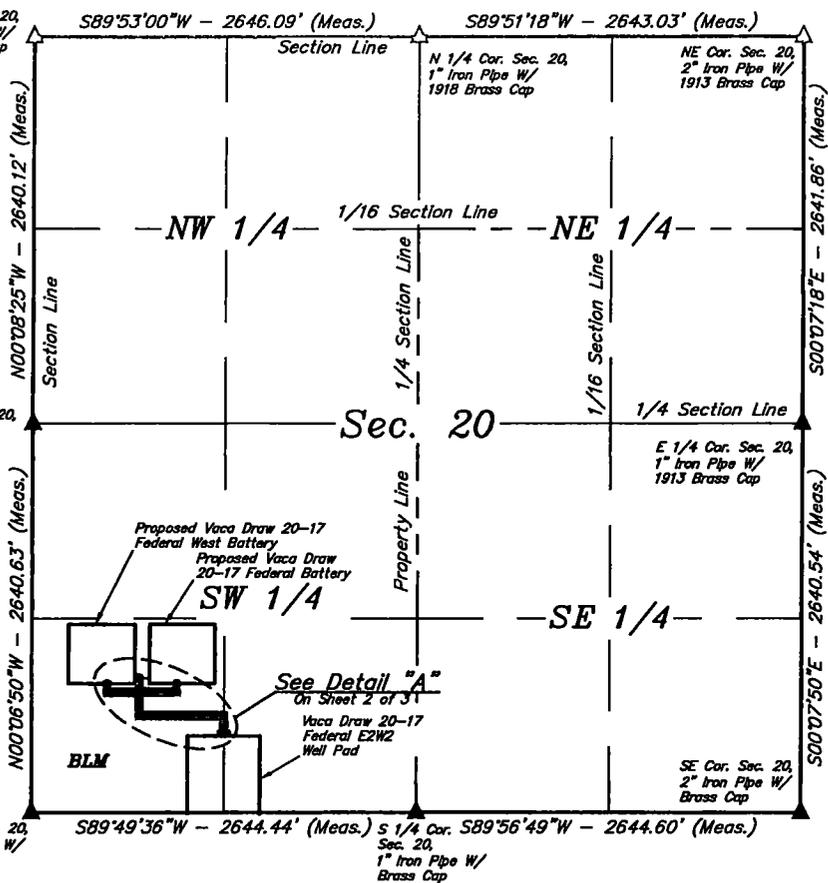
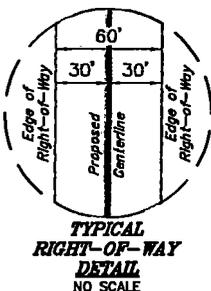
Additional data for EC transaction #498902 that would not fit on the form

32. Additional remarks, continued

Description of lines within the approved 60' Corridor:
Same 1538' route as analyzed and approved in the Vaca Draw 20-17 Federal 29H APD.
1- 12" Buried steel Oil Bulk line
1- 12" Buried steel Gas Sales Bulk line
1- 12" Buried steel SWD line
1- 8" Buried Steel Gas lift line

There will be no new surface disturbance.

LINE TABLE		
LINE	DIRECTION	LENGTH
L1	N00°10'23"W	114.25'
L2	S89°49'35"W	585.51'
L3	N00°10'18"W	159.71'
L4	N00°10'18"W	93.01'
L5	S89°49'42"W	217.83'
L6	N00°10'27"W	55.03'
L7	N89°49'22"E	257.85'
L8	N00°10'37"W	55.01'



BEGINNING OF FLOW LINE "A" BEARS
 N67°11'13"E 1430.77' FROM THE SOUTHWEST
 CORNER OF SECTION 20, T25S, R33E, N.M.P.M.

END OF FLOW LINE "A" BEARS N38°31'06"E
 1175.79' FROM THE SOUTHWEST CORNER OF
 SECTION 20, T25S, R33E, N.M.P.M.

BEGINNING OF FLOW LINE "B" BEARS
 N41°32'07"E 1104.72' FROM THE SOUTHWEST
 CORNER OF SECTION 20, T25S, R33E, N.M.P.M.

END OF FLOW LINE "B" BEARS N30°16'37"E
 1020.52' FROM THE SOUTHWEST CORNER OF
 SECTION 20, T25S, R33E, N.M.P.M.

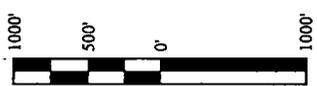
BEGINNING OF FLOW LINE "C" BEARS
 N41°32'07"E 1104.72' FROM THE SOUTHWEST
 CORNER OF SECTION 20, T25S, R33E, N.M.P.M.

END OF FLOW LINE "C" BEARS N48°17'01"E
 1326.55' FROM THE SOUTHWEST CORNER OF
 SECTION 20, T25S, R33E, N.M.P.M.

ACREAGE / LENGTH TABLE "A"				
	OWNERSHIP	FEET	RODS	ACRES
SEC. 20 (SW 1/4)	BLM	952.49	57.73	1.312

ACREAGE / LENGTH TABLE "B"				
	OWNERSHIP	FEET	RODS	ACRES
SEC. 20 (SW 1/4)	BLM	272.86	16.54	0.376

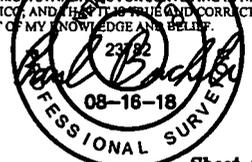
ACREAGE / LENGTH TABLE "C"				
	OWNERSHIP	FEET	RODS	ACRES
SEC. 20 (SW 1/4)	BLM	312.86	18.96	0.431



▲ = SECTION CORNERS LOCATED.

NOTES:
 * Basis of Bearings is a Transverse Mercator Projection with a Central Meridian of W103°53'00"

CERTIFICATE
 THIS IS TO CERTIFY THAT THIS EASEMENT PLAT AND
 THE ACTUAL SURVEY ON THE GROUND UPON WHICH IT
 IS BASED WERE PERFORMED BY ME OR UNDER MY
 DIRECT SUPERVISION, THAT I AM RESPONSIBLE FOR
 THIS SURVEY, THAT THIS SURVEY MEETS THE
 MINIMUM STANDARDS FOR SURVEYING IN NEW
 MEXICO, AND THAT IT IS TRUE AND CORRECT TO THE
 BEST OF MY KNOWLEDGE AND BELIEF.



FILE: 64534-A1 Sheet 1 of 3

CIMAREX ENERGY CO.
 VACA DRAW 20-17 FEDERAL
 FLOW LINE NETWORK ON BLM LANDS IN
 SECTION 20, T25S, R33E, N.M.P.M.
 LEA COUNTY, NEW MEXICO

SURVEYED BY	R.B., M.H.	08-02-18	SCALE
DRAWN BY	L.K.	08-16-18	1" = 1000'
Flow line & Gas Lift ROW			Exhibit M & N



UELS, LLC
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 Vernal, UT 84078 * (435) 789-1017