

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENTNMI OCD  
HobbsFORM 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

DEC 03 2014

**SUBMIT IN TRIPLICATE - Other instructions on reverse side.**

RECEIVED

1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. NMLC069832B
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		7. If Unit or CA/Agreement, Name and/or No.
3b. Phone No. (include area code) Ph: 918-585-1100		8. Well Name and No. INDEPENDENCE 8 FEDERAL COM 1H
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 8 T15S R31E NWNE 510FNL 2310FEL		9. API Well No. 30-005-29151-00-S1
		10. Field and Pool, or Exploratory UNDESIGNATED-ABO-WOLFCAMP
		11. County or Parish, and State CHAVES COUNTY, NM

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

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" 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	Site Facility Diagram/Security Plan
	<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.)

Please see attached facility diagram for the Independence 8 Federal Com 1H

ACCEPTED FOR  
RECORD

DEC 02 2014

NAME: Beverly Weatherford  
UF

14. I hereby certify that the foregoing is true and correct. <b>Electronic Submission #280146 verified by the BLM Well Information System For CIMAREX ENERGY COMPANY, sent to the Roswell Committed to AFMSS for processing by BEVERLY WEATHERFORD on 11/19/2014 (15BMW0123SE)</b>	
Name (Printed/Typed) HOPE KNAULS	Title REGULATORY TECHNICIAN
Signature (Electronic Submission)	Date 11/18/2014

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

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

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

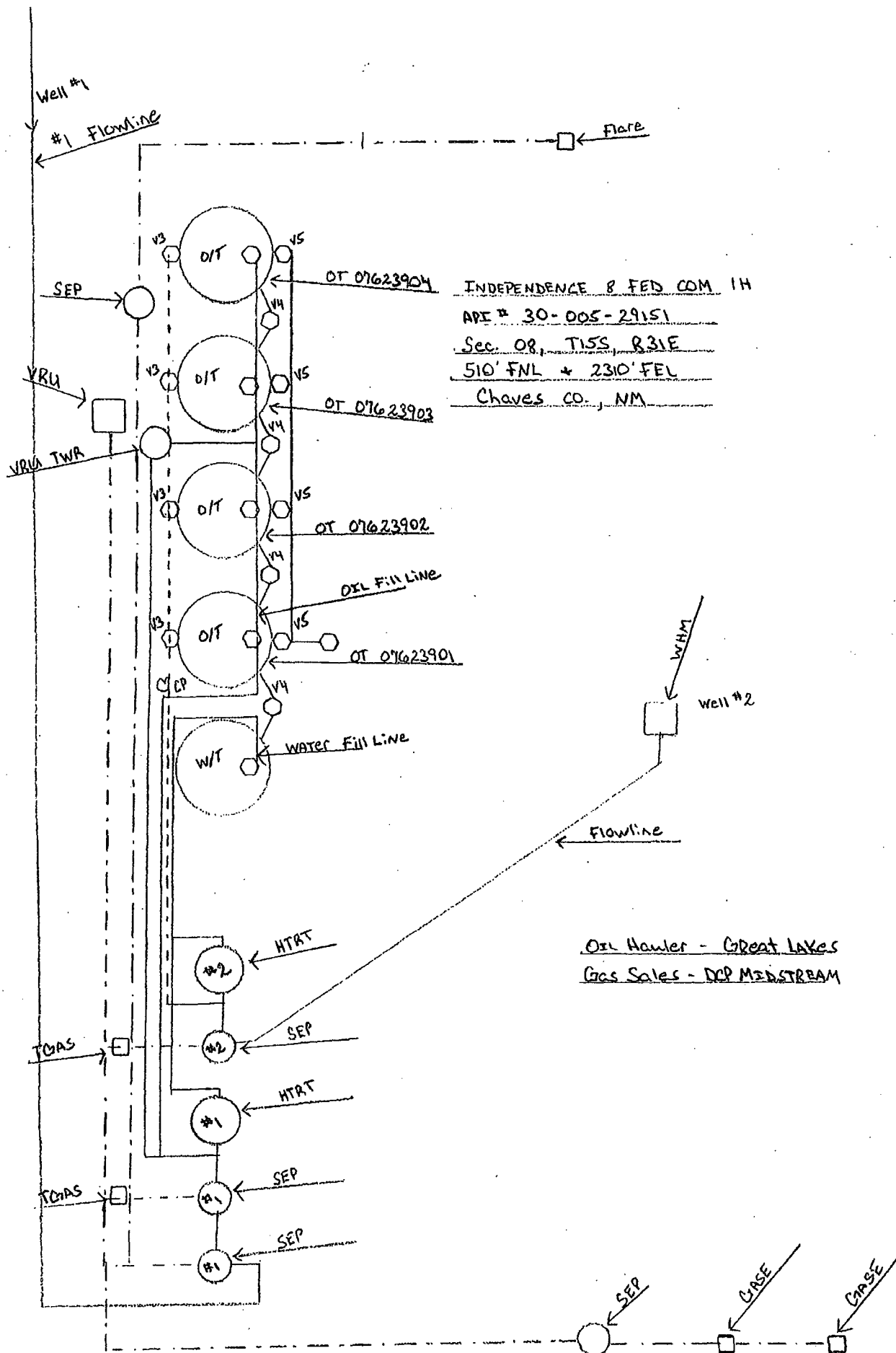
\*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\*

MSB/OCD 12/4/2014

DEC 04 2014

## Revisions to Operator-Submitted EC Data for Sundry Notice #280146

	Operator Submitted	BLM Revised (AFMSS)
Sundry Type:	SITE SR	SITE SR
Lease:	NMLC060850	NMLC069832B
Agreement:		
Operator:	CIMAREX ENERGY COMPANY 202 S. CHEYENNE AVE TULSA, OK 74103 Ph: 918-585-1100	CIMAREX ENERGY COMPANY 202 S. CHEYENNE AVE STE 1000 TULSA, OK 74103 Ph: 918-585-1100
Admin Contact:	HOPE KNAULS REGULATORY TECHNICIAN E-Mail: hknauls@cimarex.com  Ph: 918-585-1100	HOPE KNAULS REGULATORY TECHNICIAN E-Mail: hknauls@cimarex.com  Ph: 918-585-1100
Tech Contact:	HOPE KNAULS REGULATORY TECHNICIAN E-Mail: hknauls@cimarex.com  Ph: 918-585-1100	HOPE KNAULS REGULATORY TECHNICIAN E-Mail: hknauls@cimarex.com  Ph: 918-585-1100
Location:		
State:	NM	NM
County:	CHAVES	CHAVES
Field/Pool:	ABO WOLFCAMP WILDCAT	UNDESIGNATED-ABO-WOLFCAMP
Well/Facility:	INDEPENDENCE 8 FEDERAL COM 1H Sec 8 T15S R31E 510FNL 2310FEL	INDEPENDENCE 8 FEDERAL COM 1H Sec 8 T15S R31E NWNE 510FNL 2310FEL





**LABORATORY SERVICES**  
Natural Gas Analysis

www.permianls.com

575.397.3713 2609 W Marland Hobbs NM 88240

For:	Cimarex Energy	Sample:	Separator
	Attention: John Osborne	Identification:	Independence 8 Fed. Com. # 1
	2020 W. Bender Blvd	Company:	Cimarex Energy
	Hobbs, New Mexico 88240	Lease:	
		Plant:	

Sample Data:	Date Sampled	10/21/2013	1:40 PM	
	Analysis Date	10/22/2013		
	Pressure-PSIA	45	Sampled by:	Taylor Ridings
	Sample Temp F		Analysis by:	Vicki McDaniel
	Atmos Temp F	58		

H2S = 0.1 PPM

#### Component Analysis

		Mol Percent	GPM
Hydrogen Sulfide	H2S		
Nitrogen	N2	2.122	
Carbon Dioxide	CO2	0.323	
Methane	C1	51.669	
Ethane	C2	20.113	5.365
Propane	C3	15.391	4.229
I-Butane	IC4	1.960	0.640
N-Butane	NC4	4.841	1.522
I-Pentane	IC5	1.083	0.395
N-Pentane	NC5	1.126	0.407
Hexanes Plus	C6+	<u>1.372</u>	<u>0.594</u>
		100.000	13.153

#### REAL BTU/CU.FT.

At 14.65 DRY	1652.1
At 14.65 WET	1623.3
At 14.696 DRY	1657.2
At 14.696 WET	1629.2
At 14.73 DRY	1661.1
At 14.73 Wet	1632.4

#### Specific Gravity

Calculated 0.9904

Molecular Weight 28.6853