

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0135  
Expires July 31, 1996

OCD-ARTESIA

DEC - 2 2008

OCD-ARTESIA

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 reverse side

1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. NM-94839
2. Name of Operator Cimarex Energy Co. of Colorado		6. If Indian, Allottee or Tribe Name
3a. Address PO Box 140907; Irving, TX 75014-0907	3b. Phone No. (include area code) 972-401-3111	7. If Unit or CA/Agreement, Name and/or No.
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) 660' FNL & 660' FWL D-21-25S-26E		8. Well Name and No. Oracle 21 Federal No. 1
		9. API Well No. 30-015-35110
		10. Field and Pool, or Exploratory Area Chosa Draw; Morrow
		11. County or Parish, State Eddy 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 Gas Assist
	<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, included 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 proposes to purchase system gas from Hunter Gas Gatherings sales line to Agave at the Trinity 20 Federal Com # 1 well pad and flow back along Recently applied for Cimarex ROW and inject through tubing and gas lift equipment into the Oracle 21 Fed # 1 to assist in unloading well and enhance production. Gas assist lines will be permanent but Gas assist operations will be intermittent as needed to unload well and maintain production. Gas assist will be an expense and accounted for through a BTU subtraction on a first in first out basis.

Currently the Oracle 21 Fed-1 well is a marginal producer with a 1.015 btu. The estimated btu of the Hunter system gas at this time is 1.100. Sample allocation: 2000 mcf at 2200 mmbtu injected and 2200 mcf at 2410 mmbtu extracted and sold =  $(2200/1.1) = 2000$  mcf injected and 200 mcf at 210 mmbtu produced and sold for the Oracle 21 Fed # 1.

The line will be 3 1/2" 1500 (E) Fiberspar flexible pipe with a burst rating of 5700 psi and MAWP of 1500 psi. The line will be buried to a depth of 36" and follow previously approved and arched Cimarex access road ROW. The line will have an anticipated working pressure of 1200 psi.

*\* Approval subject to having all ROWs in place.*

See attached pipe specs, topo and gas assist schematic.

14. I hereby certify that the foregoing is true and correct  
Name (Printed/Typed)

Zeno Farris

Signature

*Zeno Farris*

Gerry Guze, Manager Operations Administration

NMCD-District II ARTESIA

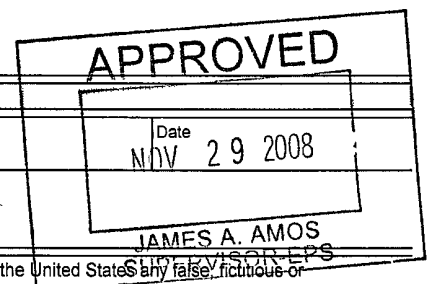
November 11, 2008

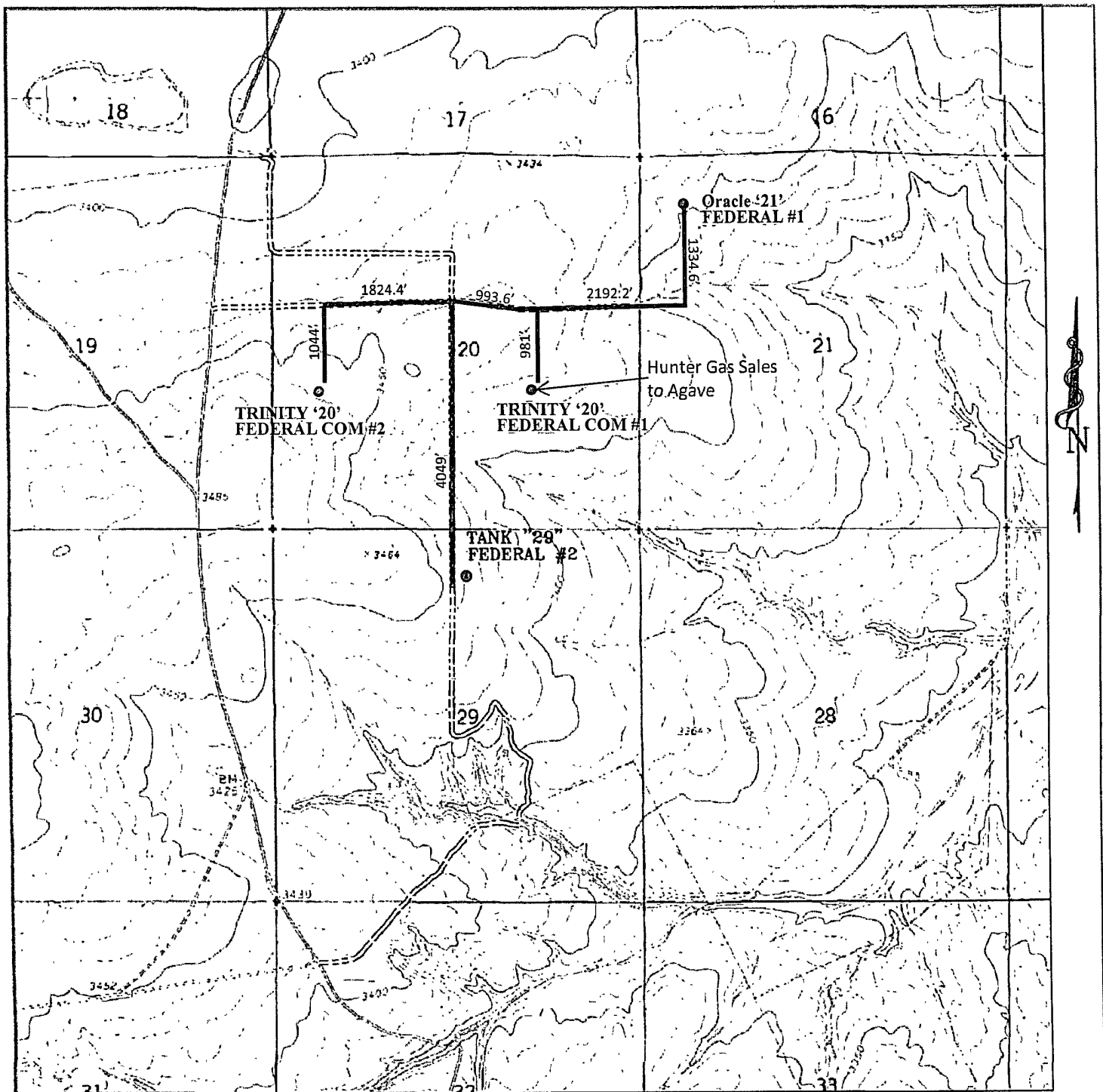
THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by	Title
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

Title 18 U.S.C. Section 1001, makes 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 reverse)

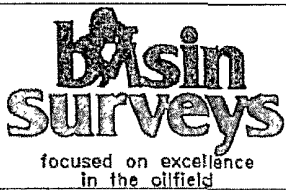




## Trinity Gas Assist

Sections 20, 21, and 22 – T25S-R26E

Eddy County, NM



P.O. Box 1786  
1120 N. West County Rd.  
Hobbs, New Mexico 88241  
(505) 393-7316 – Office  
(505) 392-3074 – Fax  
basinsurveys.com

W.O. Number: JMS 18091T

Survey Date: 05-03-2007

Scale: 1" = 2000'

Date: 05-04-2007

**CIMAREX  
ENERGY CO.  
OF COLORADO**



## FS LPJ 3 1/2" 1,500 (E)

3 1/2 Inch Nominal, 1,500 Series Fiberspar LinePipe-J w/HDPE Pressure Barrier & HDPE External Wear Layer

### Product Data Sheet (Imperial Units)

ASTM 2996 Designation:

RTRP-11HZ1-4112

#### Physical Properties:

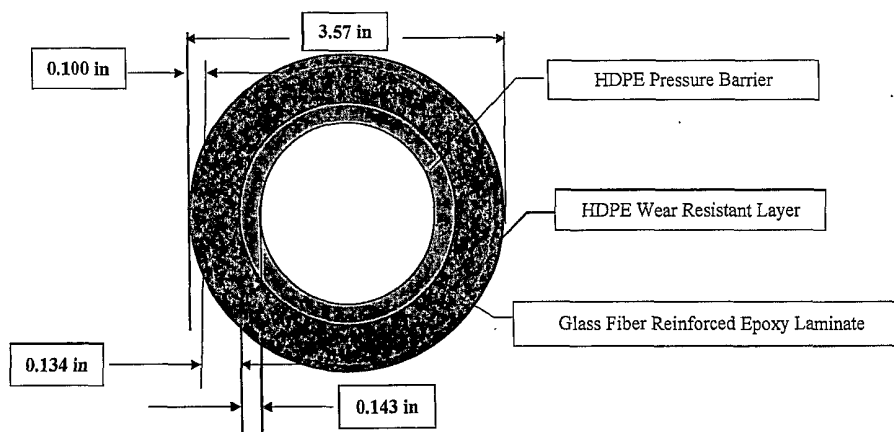
Fiberspar s/n:

JEEN035026

Geometry		Tensile Modulus	
Outside Diameter (in)	3.57	Axial (psi)	8.58E+05
Inside Diameter (in)	2.82	Hoop (psi)	1.11E+06
Inside Flow Area (in <sup>2</sup> )	6.25	Poisson's Ratio	
Total Wall Thickness (in)	0.38	Major	0.49
C/S Area (in <sup>2</sup> )	3.79	Minor	0.63
Linear Weight		Thermal Exp. Coeff.	
Linear Weight - Air (lb/ft)	2.18	Axial (in/in -°F)	1.27E-05
Linear Weight - Water (lb/ft)	0.54	Hoop (in/in -°F)	7.41E-06
Net Density (lb/in <sup>3</sup> )	0.048	Thermal Conductivity	
Flow Coefficients		(BTU/hour/ft <sup>2</sup> - in/°F)	1.92
Hazen - William's	150	Resin T <sub>g</sub>	
Darcy-Wiesbach	0.0004	(°C)	125°
Manning	0.009	(°F)	257°

#### Mechanical Performance:

Maximum Operating Temperature	140 °F		
Minimum Operating Temperature	-29 °F		
		78 °F	140 °F
Max. Recommended Operating Pressure (psi)		1,500	1,500
Nominal Ultimate Burst Pressure (psi)		5,700	4,800
Maximum Recommended Tensile Load (lbs)		8,440	7,000
Nominal Ultimate Tensile Load (lbs)		21,100	17,400
Nominal Ultimate Compressive Load (lbs)		-23,400	-19,100
Nominal Ultimate Collapse Pressure (psi)		650	650
Minimum Operating Bend Radius (in)		56	56
Minimum Spooling Diameter (in)		96	96



# CIMAREX ENERGY CO. OF COLORADO

## TRINITY GAS ASSIST

### WHITE CITY, NM

