

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

OCD Artesia

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.*

5. Lease Serial No.  
NMLC029420A

6. If Indian, Allottee or Tribe Name

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

7. If Unit or CA/Agreement, Name and/or No.

1. Type of Well  
 Oil Well  Gas Well  Other

8. Well Name and No.  
SKELLY UNIT 959

2. Name of Operator  
CHEVRON USA INC  
Contact: CINDY H MURILLO  
E-Mail: CHERRERAMURILLO@CHEVRON.COM

9. API Well No.  
30-015-34327

3a. Address  
15 SMITH RD  
MIDLAND, TX 79705

3b. Phone No. (include area code)  
Ph: 575-263-0431  
Fx: 575-391-6679

10. Field and Pool, or Exploratory  
FREN GLORIETA (YESO)

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
Sec 15 T17S R31E 2310FSL 1650FEL

11. County or Parish, and 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 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 checked="" 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 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 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 shall 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 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.)

CHEVRON USA INC. HAS COMPLETED THE FRACTURING FOR THA ABOVE WELL.  
PLEASE FIND ATTACHED PROCEDURE FOR HYDRAULIC FRACTURING FOR THE ABOVE SUBJECT WELL.

*Accepted for record 9/30/13*  
NMOC

**RECEIVED**  
SEP 25 2013  
NMOC ARTESIA

*submit the intervals that were perf'd and fractured.*

14. I hereby certify that the foregoing is true and correct.  
Electronic Submission #218996 verified by the BLM Well Information System  
For CHEVRON USA INC, sent to the Carlsbad  
Committed to AFSS for processing by JOHNNY DICKERSON on 09/05/2013 ()

Name (Printed/Typed) CINDY H MURILLO Title PERMITTING SPECIALIST

Signature (Electronic Submission) Date 09/05/2013

**ACCEPTED FOR RECORD**  
SEP 22 2013  
BUREAU OF LAND MANAGEMENT  
CARLSBAD FIELD OFFICE

**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 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.

# Hydraulic Fracturing Fluid Product Component Information Disclosure

Job Start Date:	7/30/2013
Job End Date:	8/8/2013
State:	New Mexico
County:	Eddy
API Number:	30-015-34327-00-00
Operator Name:	Chevron USA Inc.
Well Name and Number:	Skelly Unit 959
Longitude:	-103.85432000
Latitude:	32.83449000
Datum:	NAD27
Federal/Tribal Well:	NO
True Vertical Depth:	5,258
Total Base Water Volume (gal):	109,150
Total Base Non Water Volume:	0



## Hydraulic Fracturing Fluid Composition:

Trade Name	Supplier	Purpose	Ingredients	Chemical Abstract Service Number (CAS #)	Maximum Ingredient Concentration in Additive (% by mass)**	Maximum Ingredient Concentration in HF Fluid (% by mass)**	Comments
Water	Operator	Carrier	Water	7732-18-5	100.00000	81.67126	
Sand, White, 16/30	Baker Hughes	Proppant	Crystalline Silica (Quartz)	14808-60-7	100.00000	9.95773	
HCl, 10.1 - 15%	Baker Hughes	Acidizing	Water	7732-18-5	85.00000	2.94975	SmartCare Product
			Hydrochloric Acid	7647-01-0	15.00000	0.52054	SmartCare Product
SiberProp, 16/30	Baker Hughes	Proppant	Quartz (SiO2)	14808-60-7	100.00000	2.83943	
GW-4LDF	Baker Hughes	Gelling Agent	Petroleum Distillate Blend (3)	8042-47-5	70.00000	0.34568	SmartCare Product
			Petroleum Distillate Blend (1)	64742-47-8	70.00000	0.34568	SmartCare Product
			Petroleum Distillate Blend (2)	64742-55-8	70.00000	0.34568	SmartCare Product
			Guar Gum	9000-30-0	60.00000	0.29630	SmartCare Product
XLW-10A	Baker Hughes	Crosslinker	Ethylene Glycol	107-21-1	30.00000	0.05456	
			Sodium Tetraborate Decahydrate	1303-96-4	30.00000	0.05456	
			Sodium Hydroxide	1310-73-2	10.00000	0.01819	
EnZyme G Hp I	Baker Hughes	Breaker					

			No Hazardous Ingredients	Trade Secret	100.00000	0.12125	
InFlo 250G, 330 gl tote	Baker Hughes	Surfactant					
			Mixture of Surfactants	Trade Secret	50.00000	0.03891	
			Methanol	67-56-1	30.00000	0.02335	
			Water	7732-18-5	30.00000	0.02335	
NE-35, 330 gl tote	Baker Hughes	Non-emulsifier					
			Mixture of Surfactants	Trade Secret	50.00000	0.04603	
			Propylene Glycol	57-55-6	30.00000	0.02762	
Activator, 330 gal tote	Baker Hughes	Activator					
			Alcohols, C12-14-Secondary, Ethoxylated	84133-50-6	70.00000	0.02987	
			Methanol	67-56-1	50.00000	0.02133	
Ferrotrol 280L	Baker Hughes	Iron Control					
			2-Mercaptoethanol	60-24-2	100.00000	0.02307	
			Cupric Chloride	7447-39-4	5.00000	0.00115	
			Ammonium Hydroxide	1336-21-6	5.00000	0.00115	
BioSealers MR	Baker Hughes	Degradable Sealers					
			Non-Hazardous Ingredient	Trade Secret	100.00000	0.02154	
Scaletrol 721, tote	Baker Hughes	Scale Inhibitor					
			Ethylene Glycol	107-21-1	15.00000	0.00705	
			Synthetic Polymer	Trade Secret	15.00000	0.00705	
			Diethylene Glycol	111-46-6	1.00000	0.00047	
X-Cide 207	Baker Hughes	Biocide					
			Diatomaceous Earth, Calcined	91053-39-3	60.00000	0.00517	
			5-Chloro-2-Methyl-4-Isothiazolin-3-One	26172-55-4	10.00000	0.00086	
			Magnesium Nitrate	10377-60-3	10.00000	0.00086	
			Magnesium Chloride	7786-30-3	5.00000	0.00043	
			2-Methyl-4-Isothiazolin-3-One	2682-20-4	5.00000	0.00043	
			Crystalline Silica: Quartz (SiO2)	14808-60-7	1.00000	0.00009	
			Crystalline Silica: Cristobalite	14464-46-1	1.00000	0.00009	
CI-27	Baker Hughes	Corrosion Inhibitor					
			Methanol	67-56-1	60.00000	0.00160	SmartCare Product
			Thiourea Polymer	68527-49-1	30.00000	0.00080	SmartCare Product
			Polyoxyalkylenes	Trade Secret	30.00000	0.00080	SmartCare Product
			Fatty Acids	Trade Secret	30.00000	0.00080	SmartCare Product
			Propargyl Alcohol	107-19-7	10.00000	0.00027	SmartCare Product
			Olefin	Trade Secret	5.00000	0.00013	SmartCare Product
FRW-18	Baker Hughes	Friction Reducer					
			Petroleum Distillates	64742-47-8	30.00000	0.00428	SmartCare Product
NE-23, 55 gallon drum	Baker Hughes	Non-emulsifier					
			Isopropanol	67-63-0	30.00000	0.00092	
GBW-5	Baker Hughes	Breaker					
			Ammonium Phosphate	7727-54-0	100.00000	0.00090	SmartCare Product
Enzyme G-I	Baker Hughes	Breaker					

			Contains non-hazardous ingredients which are listed in in the non-MSDS section of the report	NA			SmartCare Product
Ingredients shown above are subject to 29 CFR 1910.1200(i) and appear on Material Safety Data Sheets (MSDS); Ingredients shown below are Non-MSDS.							
		Other Chemicals					
			Water	7732-18-5			0.16726
			Tryptone	73049-73-7			0.00606
			Yeast Extract	8013-01-2			0.00606
			Poly (acrylamide-co-acrylic acid)	Trade Secret			0.00428
			Olefin Sulfonate	Trade Secret			0.00183
			Quaternary Amine Compounds	Trade Secret			0.00092
			Salt	Trade Secret			0.00071
			Sorbitan Monooleate	Trade Secret			0.00071
			Polyester	Trade Secret			0.00046
			Ethoxylated Alcohol	Trade Secret			0.00029
			Glycol Ether	Trade Secret			0.00015
			Ethoxylated Nonylphenol	9016-45-9			0.00015
			Hemicellulase Enzyme Concentrate	9025-56-3			0.00011
			Benzyl Chloride	100-44-7			0.00003
			Formaldehyde	50-00-0			0.00001
			Sodium Chloride	7647-14-5			0.00001
			Sodium Carboxylate	18016-19-8			
			Maleic Anhydride Terpolymer	113221-69-5			
			Polyacrylate	111560-38-4			

\* Total Water Volume sources may include fresh water, produced water, and/or recycled water

\*\* Information is based on the maximum potential for concentration and thus the total may be over 100%

Note: For Field Development Products (products that begin with FDP), MSDS level only information has been provided.

Ingredient information for chemicals subject to 29 CFR 1910.1200(i) and Appendix D are obtained from suppliers Material Safety Data Sheets (MSDS)