

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.***SUBMIT IN TRIPLICATE - Other instructions on reverse side.**5. Lease Serial No.
NMLC029418A

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.
892000276B8. Well Name and No.
SKELLY UNIT 9609. API Well No.
30-015-34326-00-S110. Field and Pool, or Exploratory
FREN11. County or Parish, and State
EDDY COUNTY, NM1. Type of Well
☒ Oil Well ☐ Gas Well ☐ Other2. Name of Operator
CHEVRON USA INCORPORATED
Contact: CINDY H MURILLO
E-Mail: Cherreramurillo@chevron.com3a. Address
15 SMITH ROAD
MIDLAND, TX 797053b. Phone No. (include area code)
Ph: 575-263-0431
Fx: 575-391-66794. Location of Well (Footage, Sec., T., R., M., or Survey Description)
Sec 14 T17S R31E NWSW 2310FSL 330FWL

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 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.)

Chevron has completed the Fracturing for the above well.

Please find attached the Hydraulic Fracturing procedure for the above subject well.

File online w/oct
Accepted for record
NMOC
8/27/2013



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

Electronic Submission #217866 verified by the BLM Well Information System
For CHEVRON USA INCORPORATED, sent to the Carlsbad
Committed to AFMSS for processing by JOHNNY DICKERSON on 08/22/2013 (13JLD0604SE)

Name (Printed/Typed) CINDY H MURILLO

Title PERMITTING SPECIALIST

Signature (Electronic Submission)

Date 08/22/2013

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By **ACCEPTED**JAMES A AMOS
Title SUPERVISOR EPS

Date 08/24/2013

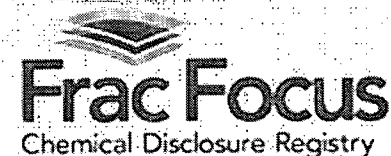
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office Carlsbad

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:	7/19/2013
Job End Date:	7/20/2013
State:	New Mexico
County:	Eddy
API Number:	30-015-34326-00-00
Operator Name:	Chevron USA Inc.
Well Name and Number:	Skelly Unit 960
Longitude:	-103.84640000
Latitude:	32.83417000
Datum:	NAD27
Federal/Tribal Well:	NO
True Vertical Depth:	5,327
Total Base Water Volume (gal):	117,516
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	84.60175	
Sand, White, 16/30	Baker Hughes	Proppant	Crystalline Silica (Quartz)	14808-60-7	100.00000	9.98997	
HCl, 10:1 - 15%	Baker Hughes	Acidizing	Water	7732-18-5	85.00000	2.12855	SmartCare Product
			Hydrochloric Acid	7647-01-0	15.00000	0.37563	SmartCare Product
SiberProp, 16/30	Baker Hughes	Proppant	Quartz (SiO2)	14808-60-7	100.00000	1.30724	
GW-4LDF	Baker Hughes	Gelling Agent	Petroleum Distillate Blend	64742-47-8	70.00000	0.27475	SmartCare Product
			Petroleum Distillate Blend	64742-55-8	70.00000	0.27475	SmartCare Product
			Guar Gum	9000-30-0	60.00000	0.23550	SmartCare Product
XLW-10A	Baker Hughes	Crosslinker	Sodium Tetraborate Decahydrate	1303-96-4	30.00000	0.04814	
			Ethylene Glycol	107-21-1	30.00000	0.04814	
			Sodium Hydroxide	1310-73-2	10.00000	0.01605	
InFlo 250G, 330 gl tote	Baker Hughes	Surfactant	Mixture of Surfactants	Trade Secret	50.00000	0.04212	

			Methanol	67-56-1	30.00000	0.02527	
			Water	7732-18-5	30.00000	0.02527	
NE-35, 330 gl tote	Baker Hughes	Non-emulsifier					
			Mixture of Surfactants	Trade Secret	50.00000	0.03961	
			Propylene Glycol	57-55-6	30.00000	0.02376	
Activator, 330 gal tote	Baker Hughes	Activator					
			Alcohols, C12-14-Secondary, Ethoxylated	84133-50-6	70.00000	0.03661	
			Methanol	67-56-1	50.00000	0.02615	
EnZyme G HpH-II	Baker Hughes	Breaker					
			Non-hazardous Ingredients	N.A.	100.00000	0.04681	
Scaletrol 721, tote	Baker Hughes	Scale Inhibitor					
			Synthetic Polymer	Trade Secret	15.00000	0.01234	
			Ethylene Glycol	107-21-1	15.00000	0.01234	
			Diethylene Glycol	111-46-6	1.00000	0.00082	
Ferrotrol 280L	Baker Hughes	Iron Control					
			2-Mercaptoethanol	60-24-2	100.00000	0.01823	
			Cupric Chloride	7447-39-4	5.00000	0.00091	
			Ammonium Hydroxide	1336-21-6	5.00000	0.00091	
BioSealers MR	Baker Hughes	Degradable Sealers					
			Non-Hazardous Ingredient	Trade Secret	100.00000	0.01114	
X-Cide 207	Baker Hughes	Biocide					
			Diatomaceous Earth, Calcined	91053-39-3	60.00000	0.00311	
			Magnesium Nitrate	10377-60-3	10.00000	0.00052	
			5-Chloro-2-Methyl-4-Isothiazolin-3-One	26172-55-4	10.00000	0.00052	
			Magnesium Chloride	7786-30-3	5.00000	0.00026	
			2-Methyl-4-Isothiazolin-3-One	2682-20-4	5.00000	0.00026	
			Crystalline Silica: Quartz (SiO2)	14808-60-7	1.00000	0.00005	
			Crystalline Silica: Cristobalite	14464-46-1	1.00000	0.00005	
CI-27	Baker Hughes	Corrosion Inhibitor					
			Methanol	67-56-1	60.00000	0.00154	SmartCare Product
			Thiourea Polymer	68527-49-1	30.00000	0.00077	SmartCare Product
			Fatty Acids	Trade Secret	30.00000	0.00077	SmartCare Product
			Polyoxyalkylenes	Trade Secret	30.00000	0.00077	SmartCare Product
			Propargyl Alcohol	107-19-7	10.00000	0.00026	SmartCare Product
			Olefin	Trade Secret	5.00000	0.00013	SmartCare Product
FRW-18	Baker Hughes	Friction Reducer					
			Petroleum Distillates	64742-47-8	30.00000	0.00137	SmartCare Product
NE-23, 55 gallon drum	Baker Hughes	Non-emulsifier					
			Isopropanol	67-63-0	30.00000	0.00088	
GBW-5	Baker Hughes	Breaker					
			Ammonium Phosphate	7727-54-0	100.00000	0.00043	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		0.07984	
		Olefin Sulfonate	Trade Secret		0.00176	
		Tryptone	73049-73-7		0.00140	
		Poly(acrylamide-co-acrylic acid)	Trade Secret		0.00137	
		Sodium Chloride	7647-14-5		0.00095	
		Glycerol	56-81-5		0.00094	
		Yeast Extract	8013-01-2		0.00094	
		Quaternary Amine Compounds	Trade Secret		0.00088	
		Lactose	9004-34-6		0.00047	
		Ampicillin	69-53-4		0.00047	
		Enzyme	37288-54-3		0.00047	
		Polyester	Trade Secret		0.00044	
		Salt	Trade Secret		0.00023	
		Sorbitan Monooleate	Trade Secret		0.00023	
		Glycol Ether	Trade Secret		0.00015	
		Ethoxylated Nonylphenol	9016-45-9		0.00015	
		Ethoxylated Alcohol	Trade Secret		0.00009	
		Benzyl Chloride	100-44-7		0.00003	
		Formaldehyde	50-00-0		0.00001	
		Maleic Anhydride Terpolymer	113221-69-5			
		Sodium Carboxylate	18016-19-8			
		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)