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UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
NOTICES AND REPORTS ON WELLS

OCD-ARTESIA

FORM APPROVED  
OMB NO. 1004-0135  
EXPIRES: NOVEMBER 30, 2000

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APL) for such proposals

SUBMIT IN TRIPLICATE

Month - Year  
MAR 19 2007  
OCD - ARTESIA, NM

1a. Type of Well	<input checked="" type="checkbox"/> Oil Well	<input type="checkbox"/> Gas Well	<input type="checkbox"/> Other _____
2. Name of Operator	DEVON ENERGY PRODUCTION COMPANY, LP		
3. Address and Telephone No.	20 North Broadway, Oklahoma City, OK 73102 405-228-8699		
4. Location of Well (Report location clearly and in accordance with Federal requirements)*	NWNW 330' FNL & 330' FWL Sec 27 T23S R31E		

5. Lease Serial No.	NM-418220-A
6. If Indian, Allottee or Tribe Name	
7. Unit or CA Agreement Name and No.	
8. Well Name and No.	Todd 27D Federal 4
9. API Well No.	30-015-35425
10. Field and Pool, or Exploratory	Ingle Wells; Delaware
12. County or Parish	Eddy
13. State	NM

CHECK APPROPRIATE BOX(s) 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 COA: Cementing
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	Evaluation Tests
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work and approximate duration thereof. If the proposal deepens directionally or recompletes horizontally, give subsurface location 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 requirement, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection)

Devon Energy Production Company, L. P. respectfully submits the data requested per "COA" for Sec 27 T23S R31E in re: to NMOCD Order No. R-12513 Step 3:

(See attached evaluation tests for Class H & C (MSR) cement)

SUBJECT TO LIKE  
APPROVAL BY STATE

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

Signed Judy A. Barnett Name Judy A. Barnett  
Title Regulatory Analyst

(This space for Federal or State Office use)

Approved by \_\_\_\_\_ Title \_\_\_\_\_  
Conditions of approval, if any:

Date	APPROVED 3/15/2007
Date	MAR 15 2007
	<u>Wesley W. Ingram</u> WESLEY W. INGRAM PETROLEUM ENGINEER

Note to O.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make any department or agency of the United States any false, fictitious or fraudulent statements or representations or to furnish any matter within its jurisdiction.

\*See Instruction on Reverse Side

# CEMEX

P.O. Box 1547 \* Odessa, Texas

(915)385-2800 \* Fax:(915)385-2808

Odessa Cement Plant

## EVALUATION TESTS- API CLASS H (MSR) CEMENT

Odessa, Texas

Date January, 2007

Code M-2, 20, 22

Fineness (cm2/g):Blaine 2090

Percent Compound Composition  
and other chemical data

	API Specs		API Specs
C <sub>3</sub> S	56	Ign. Loss	0.88
C <sub>3</sub> A	3.7	Eq. Alkalies	0.47
MgO	0.8	Free CaO	1.7
SO <sub>3</sub>	3.5	Insol.	0.35
			API Specs
			3.0
			0.6
			NR
			0.75

### API Thickening Time Data

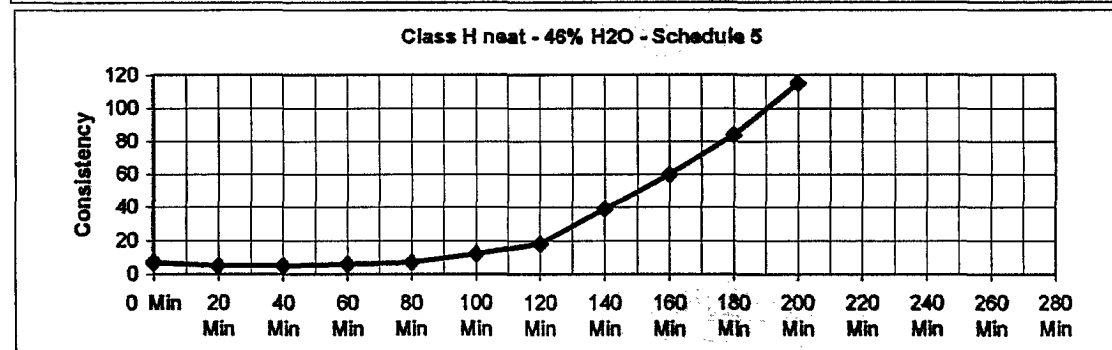
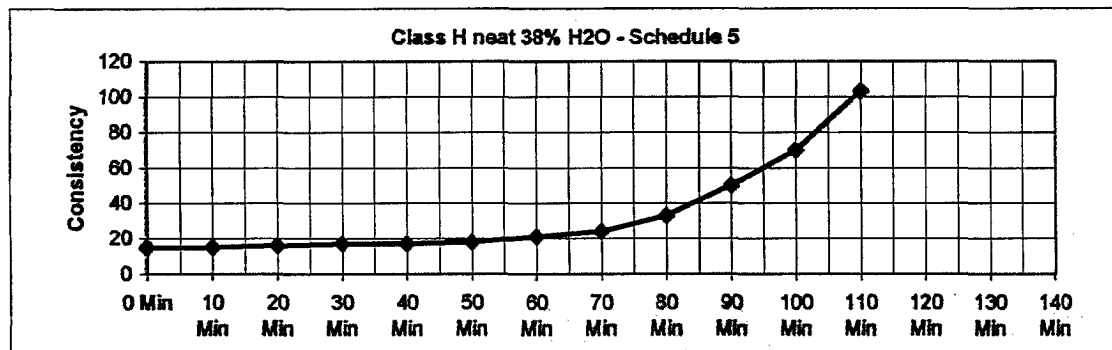
Percent Water	Schedule	Final Temp.	Initial Viscosity	50 Bc	70 Bc	100 Bc
38	5	125°F	15/17	90	100	109
46	5	125°F	7/5	150	169	192
38	API SPECIFICATIONS			< 30		
						90 / 120

### API Compressive Strengths

Percent Water	Curing Time, Hrs.	Curing Temp.	Mpa (PSI)	API Spec	API Free Water Test
38	8	100°F	5.2 (760)	2.1 (300)	Free Water % 4.1
38	8	140°F	12.2 (1763)	10.3 (1500)	API SPEC 5.9%

### Viscosity Determinations

Atmospheric Consistometer				Fann V-G Meter				
Consistency, Bc				Dial Readings				
Percent Water	Initial	10	20	RPM:	300	200	100	6
38	4	5	6		79	66	50	19
								3
								12



Joshua C Didion

Quality Control Manager

# CEMEX

P.O. Box 1547 \* Odessa, Texas  
(915)385-2800 \* Fax:(915)385-2808

Odessa Cement Plant

## EVALUATION TESTS-API CLASS C (MSR) CEMENT

Odessa, Texas

Date January, 2007 Code M- 1, 7, 14, 19, 25, 27, 28, 29  
Fineness (cm2/g):Blaine 3784

Percent Compound Composition  
and other chemical data

		API Spec			API Spec
C <sub>3</sub> S	56	NR	Ign. Loss	1.3	3.0
C <sub>3</sub> A	3.9	<3.0	Eq. Alkalies	0.45	0.6
MgO	0.8	6.0	Free CaO	1.4	NR
SO <sub>3</sub>	3.6	3.5	Insol.	0.52	0.75

### API Thickening Time Data

Percent Water	Schedule	Final Temp.	Initial Viscosity	Minutes to 50 Bc	70 Bc	100 Bc
56	4	113°F	11/12	112	120	127

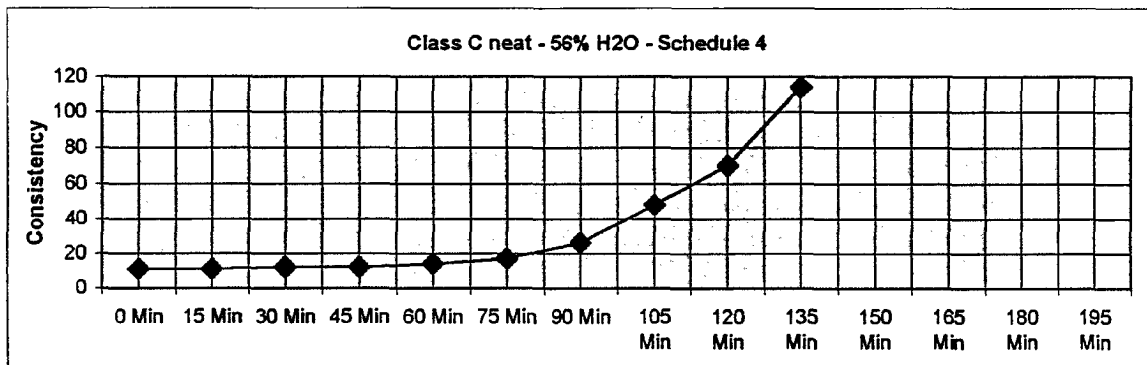
API SPECIFICATIONS	< 30	> 90
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### API Compressive Strengths

Percent Water	Curing Time,Hrs.	Curing Temp.	Mpa (PSI) Atmospheric Pressure	Mpa (PSI) API SPECIFICATIONS
56	8	100°F	5.4 (777)	2.1 (300)
56	24	100°F	17.2 (2496)	13.8 (2000)

### Viscosity Determinations

Atmospheric Consistometer				Fann V-G Meter					
Consistency, Bc				Dial Readings					
Percent Water	Initial	10	20	RPM:	300	200	100	6	3
56	4	5	5		56	48	38	20	13



Joshua C Didion

Quality Control Manager