Form 3160-5
(August 2007)

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UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OM B No 1004-0137
Expires: March 31, 2007

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.
LC-057210

6. If Indian, Allottee or Tribe Name

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

1. Type of Well
[X] Oil Well [ ] Gas Well [X] Other

8. Well Name and No.
MCA

2. Name of Operator
ConocoPhillips Company (#217817)

9. API Well No
30-025- See Attached

3a. Address
3300 N. "A" Street, Bldg. 6, Midland TX 79705

3b. Phone No. *(include area code)*
(432)688-6884

10. Field and Pool, or Exploratory Area
Maljamar; Grayburg-San Andres

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
T-17-S, R-32-E & R-33-E

11. County or Parish, State
Lea
New Mexico

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

TYPE OF SUBMISSION	TYPE OF ACTION			
[X] Notice of Intent	[ ] Acidize	[ ] Deepen	[ ] Production (Start/Resume)	[ ] Water Shut-Off
[ ] Subsequent Report	[ ] Alter Casing	[ ] Fracture Treat	[ ] Reclamation	[ ] Well Integrity
[ ] Final Abandonment Notice	[ ] Casing Repair	[ ] New Construction	[ ] Recomplete	[ ] Other
	[X] Change Plans	[ ] Plug and Abandon	[ ] Temporarily Abandon	
	[ ] Convert to Injection	[ ] Plug Back	[ ] 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.)

Ref. Bond #ES0085

Referencing Master Drilling Plan on file with the BLM Carlsbad office dated 02/28/2008. ConocoPhillips wishes to submit the attached modifications to the cement program sections of the Master Drilling Plan:

Pg. 7 8-5/8" Surf. Csg. Lead Slurry Density Change from 13.1 to 13.5 ppg
Pg. 7 WOC time change from 24 to 18 hrs.
Pg. 8 5-1/2" Prod. Csg. Tail Slurry Density Change from 16.4 to 14.8 ppg
Pg. 9 5-1/2" Prod. Csg. Tail Slurry Density Change from 16.4 to 14.8 ppg
Pg. 11 5-1/2" Prod. Csg. Tail Slurry Density Change from 16.4 to 14.8 ppg

Updated pages are attached for your convience to insert into the master document.

Your consideration given this request is greatly appreciated.

APPROVED
SEP 2 2008
LES BABYAK
PETROLEUM ENGINEER

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

Title Regulatory Specialist

Signature Celeste G. Dale

Date 06/16/2008

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.

Office KZ

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.

(Instructions on page 2)

RBDMS New Mexico XP

Edit | Inquiry | Switchboard | User Queries | Refresh Data

API Well Number :
OGRID Name :
Property Name : MCA UNIT
Pool Name :
County :
Well Type :
Well Status :
Permit :

Section
Township
Range

Land:
Dir.
Dir.

Company | Inspection | Well Master
Scheduler | Mech Int. Tests | Well History
Data Action | Inactive Detail | Env. Inspections
Admin Permits | Inactive Mgt. | Incidents
Hearing Orders | RUN GIS | Pool Master
Compliance | | Surf Facilities

Close all Functions and Exit RBDMS

Clear Criteria Fields
Apply Selection Criteria

Make User Table for Group Inspection, 'Sync', Schedule Prevent, Etc!

Quick Print

WELL FILTER SUB FORM

API WELL #	Well Name	Well #	Operator Name	Type	Stat	County	Surf	UL	Se
30-025-38988-00-00	MCA UNIT	421	CONOCOPHILLIPS COMP	O		Lea	F	P	
30-025-38989-00-00	MCA UNIT	420	CONOCOPHILLIPS COMP	O		Lea	F	A	
30-025-38987-00-00	MCA UNIT	419	CONOCOPHILLIPS COMP	O		Lea	F	M	
30-025-38986-00-00	MCA UNIT	418	CONOCOPHILLIPS COMP	O		Lea	F	M	
30-025-38985-00-00	MCA UNIT	417	CONOCOPHILLIPS COMP	O		Lea	F	M	
30-025-38984-00-00	MCA UNIT	416	CONOCOPHILLIPS COMP	O		Lea	F	N	
30-025-38983-00-00	MCA UNIT	415	CONOCOPHILLIPS COMP	O		Lea	F	N	
30-025-38982-00-00	MCA UNIT	414	CONOCOPHILLIPS COMP	O		Lea	F	O	
30-025-38981-00-00	MCA UNIT	413	CONOCOPHILLIPS COMP	O		Lea	F	B	
30-025-38980-00-00	MCA UNIT	412	CONOCOPHILLIPS COMP	O		Lea	F	B	
30-025-38856-00-00	MCA UNIT	411	CONOCOPHILLIPS COMP	O		Lea	F	C	
30-025-38979-00-00	MCA UNIT	410	CONOCOPHILLIPS COMP	O		Lea	F	O	
30-025-38978-00-00	MCA UNIT	409	CONOCOPHILLIPS COMP	O		Lea	F	L	
30-025-38977-00-00	MCA UNIT	408	CONOCOPHILLIPS COMP	O		Lea	F	P	
~~30-025-38038-00-00~~	MCA UNIT	407	CONOCOPHILLIPS COMP	O	A	Lea	F	L	
30-025-38860-00-00	MCA UNIT	406	CONOCOPHILLIPS COMP	O		Lea	F	D	
30-025-38859-00-00	MCA UNIT	405	CONOCOPHILLIPS COMP	O		Lea	F	C	
30-025-38975-00-00	MCA UNIT	404	CONOCOPHILLIPS COMP	O		Lea	F	M	
30-025-37940-00-00	MCA UNIT	403	CONOCOPHILLIPS COMP	O		Lea	F	G	
30-025-38855-00-00	MCA UNIT	402	CONOCOPHILLIPS COMP	O		Lea	F	L	
30-025-38974-00-00	MCA UNIT	401	CONOCOPHILLIPS COMP	O		Lea	F	F	
30-025-38973-00-00	MCA UNIT	400	CONOCOPHILLIPS COMP	O		Lea	F	L	
30-025-38972-00-00	MCA UNIT	399	CONOCOPHILLIPS COMP	O		Lea	F	K	
30-025-38971-00-00	MCA UNIT	398	CONOCOPHILLIPS COMP	O		Lea	F	C	
~~30-025-37939-00-00~~	MCA UNIT	397	CONOCOPHILLIPS COMP	O	A	Lea	F	E	
~~30-025-37976-00-00~~	MCA UNIT	396	CONOCOPHILLIPS COMP	O	A	Lea	F	L	
~~30-025-37900-00-00~~	MCA UNIT	395	CONOCOPHILLIPS COMP	O	A	Lea	F	E	
~~30-025-37931-00-00~~	MCA UNIT	394	CONOCOPHILLIPS COMP	O	A	Lea	F	D	
~~30-025-37879-00-00~~	MCA UNIT	393	CONOCOPHILLIPS COMP	O	A	Lea	F	H	
30-025-38854-00-00	MCA UNIT	392	CONOCOPHILLIPS COMP	O		Lea	F	K	
30-025-38853-00-00	MCA UNIT	391	CONOCOPHILLIPS COMP	O		Lea	F	H	
30-025-38852-00-00	MCA UNIT	390	CONOCOPHILLIPS COMP	O		Lea	F	E	
~~30-025-35142-00-00~~	MCA UNIT	387	CONOCOPHILLIPS COMP	O	A	Lea	F	K	
~~30-025-31100-00-00~~	MCA UNIT	386	CONOCOPHILLIPS COMP	I	A	Lea	F	F	
~~30-025-30731-00-00~~	MCA UNIT	385	CONOCOPHILLIPS COMP	O	P	Lea	F	O	
~~30-025-30491-00-00~~	MCA UNIT	384	CONOCOPHILLIPS COMP	O	A	Lea	F	E	

4. **Proposed cementing program:**

For the cementing program a range is presented for the number of sacks of cement and for the bottom, top, and length of the lead slurries and tail slurries due to the variation in formation tops and planned TD for the planned / contemplated wells for which this Master Drilling Plan is intended.

13-3/8" Conductor:

Cement to surface with ready mix or Class C Neat cement. TOC at surface.

8-5/8" Surface Casing:

The intention for the cementing program for the Surface Casing is to:

- Place the Tail Slurry from the casing shoe to 300' above the casing shoe,
- Bring the Lead Slurry to surface.

Spacer: 20 bbls Fresh Water

Lead Slurry								
Volume (sx) & Recipe & Excess %	Bottom (ft MD)	Top (ft MD)	Length (ft)	Density (ppg)	Yield (cuft/sx)	Mix Wtr gal/sx	Compressive Strengths @ 85 deg F by UCA Method	
185 – 535 sx Class C + 6% bentonite + 2% CaCl2 + 0.125% Polyflake Excess = 170%	325 to 940	Surface	325 to 940	13.5	1.96	10.69	Time 12 hrs 18 hrs 24 hrs	Strength 316 psi 417 psi 506 psi

Tail Slurry								
Volume (sx) & Recipe & Excess %	Bottom (ft MD)	Top (ft MD)	Length (ft)	Density (ppg)	Yield (cuft/sx)	Mix Wtr gal/sx	Compressive Strengths @ 91 deg F by UCA Method	
220 sx Class C + 2% CaCl2 + 0.125% Polyflake Excess = 100%	625' to 1240'	325' to 940'	300'	14.8	1.35	6.36	Time 3 hrs 9 hrs 12 hrs 24 hrs 48 hrs	Strength 50 psi 500 psi 793 psi 1266 psi 2183 psi

Displacement: Fresh Water

Note: In accordance with the Pecos District Conditions of Approval, we will Wait on Cement (WOC) for a period of not less than 18 hrs after placement of the cement on the Surface Casing in order to achieve at least 500 psi compressive strength in both the Lead Slurry and Tail Slurry cements prior to drilling out of the Surface Casing.

5-1/2" Production Casing Cementing Program - Single Stage Cementing Option:

The intention for the cementing program for the Production Casing – Single Stage Cementing Option is to:

- Place the Tail Slurry from the casing shoe to the top of the Grayburg formation,
- Bring the Lead Slurry to surface.

Spacer: 20 bbls Fresh Water with an option to follow this with 1000 gallons SuperFlush 102 and 20 additional bbls Fresh Water.

Lead Slurry								
Volume (sx) & Recipe & Excess %	Bottom (ft MD)	Top (ft MD)	Length (ft)	Density (ppg)	Yield (cuft/sx)	Mix Wtr gal/sx	Compressive Strengths @ 113 deg F by Crush Method	
433 – 644 sx 50% Class C 50% POZ + 10% bentonite + 8 lb/sx Salt + 0.2% Fluid Loss Additive + 0.125% Polyflake	3270' to 3940'	Surface	3270' to 3940'	11.8	2.55	14.88	Time 12 hrs 24 hrs 48 hrs 72 hrs	Strength 100 psi 200 psi 245 psi 310 psi
Excess = 88% - 135% (based on caliper if available)								

Tail Slurry (this is a CO_2 resistant cement)								
Volume (sx) & Recipe & Excess %	Bottom (ft MD)	Top (ft MD)	Length (ft)	Density (ppg)	Yield (cuft/sx)	Mix Wtr gal/sx	Compressive Strengths @ 115 deg F by UCA Method	
150 – 285 sx 65% Class C 35% POZ + 0.4% Dispersant	4155' to 4705'	3270' to 3940'	636' to 885'	14.8	0.98	3.76	Time 5 hrs 56 min 8 hrs 12 min 24 hrs 48 hrs 72 hrs	Strength 50 psi 500 psi 2806 psi 4690 psi 5661 psi
Excess = 26% - 83% (based on caliper if available)								

Displacement: 2% KCL water with approximately 250 ppm gluteraldehyde biocide.

5-1/2" Production Casing Cementing Program - Two-Stage Cementing Option (for Loss of Circulation Events):

We propose an option to use the two-stage cementing method for cementing the production casing if any loss of circulation events or heavy seepage is experienced while drilling the 7-7/8" hole. (see discussion in Item 3 above). The proposed two-stage cementing program would be as follows:

- Stage 1: Would place cement from the casing shoe to the stage tool.
- Stage 2: Would place cement from the stage tool to Surface.

Stage 1:

Spacer: 20 bbls Fresh Water with an option to follow this with 1000 gallons SuperFlush 102 and 20 additional bbls Fresh Water

Stage 1 – Lead Surry: None

Stage 1 – Tail Slurry								
Volume (sx) & Recipe & Excess %	Bottom (ft MD)	Top (ft MD)	Length (ft)	Density (ppg)	Yield (cuft/sx)	Mix Wtr gal/sx	Compressive Strengths @ 113 deg F by Crush Method	
150 – 285 sx 65% Class C 35% POZ + 0.4% Dispersant	4155' to 4705'	3270' to 3940'	636' to 885'	14.8	0.98	3.76	Time 5 hrs 56 min 8 hrs 12 min 24 hrs 48 hrs 72 hrs	Strength 50 psi 500 psi 2806 psi 4690 psi 5661 psi
Excess = 26% - 83% based on caliper if available								

Displacement: A volume of Fresh Water equal to the capacity volume from the stage tool to the float collar, followed by brine based mud.

5-1/2" Production Casing Cementing Program – Two-Stage Cementing Option with Stage Tool and External Casing Packers (for Water Flow Events):

We propose an option to use the two-stage cementing method with a Stage Tool and two each External Casing Packers if any waterflow event is experienced while drilling the 7-7/8" hole as discussed above in Item 3. The proposed two-stage cementing program would be as follows:

- Stage 1: Would place cement from the casing shoe to the stage tool
- Stage 2: Would place cement from the stage tool to Surface.

Stage 1:

Spacer: 20 bbls Fresh Water with an option to follow this with 1000 gallons SuperFlush 102 and 20 additional bbls Fresh Water

Stage 1 – Lead Slurry								
Volume (sx) & Recipe & Excess %	Bottom (ft MD)	Top (ft MD)	Length (ft)	Density (ppg)	Yield (cuft/sx)	Mix Wtr gal/sx	Compressive Strengths @ 113 deg F by Crush Method	
77 – 363 sx 50% Class C 50% POZ + 10% bentonite + 8 lb/sx Salt + 0.2% Fluid Loss Additive + 0.125% Polyflake	3270' to 3940'	1670' to 3440'	500' to 1600'	11.8	2.55	14.88	Time 12 hrs 24 hrs 48 hrs 72 hrs	Strength 100 psi 200 psi 245 psi 310 psi
Excess = 126% - 234% based on caliper if available								

Stage 1 – Tail Slurry								
Volume (sx) & Recipe & Excess %	Bottom (ft MD)	Top (ft MD)	Length (ft)	Density (ppg)	Yield (cuft/sx)	Mix Wtr gal/sx	Compressive Strengths @ 113 deg F by Crush Method	
150 – 285 sx 65% Class C 35% POZ + 0.4% Dispersant	4155' to 4705'	3270' to 3940'	636' to 885'	14.8	0.98	3.76	Time 5 hrs 56 min 8 hrs 12 min 24 hrs 48 hrs 72 hrs	Strength 50 psi 500 psi 2806 psi 4690 psi 5661 psi
Excess = 26% - 83% based on caliper if available								

Displacement: A volume of Fresh Water equal to the capacity volume from the stage tool to the float collar, followed by brine based mud.