

# New Mexico Oil Conservation Division, District I

1625 N. French Drive

Hobbs, NM 88240

Form 3160-5  
(April 2004)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB 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.**

1. Type of Well  
☐ Oil Well ☐ Gas Well ☒ Other

2. Name of Operator  
**ConocoPhillips Company**

3a. Address  
**4001 Penbrook Street, Odessa, TX 79762**

3b. Phone No. (include area code)  
**432-368-1266**

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

**Unit Letter "F", SE/4 NW/4 Section 27, Township 17S, Range 32E, 1980' FNL & 1980' FWL, N.M.P.M. Meridian**

5. Lease Serial No.  
**057210**

6. If Indian, Allottee or Tribe Name

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

8. Well Name and No.  
**6**

9. API Well No.  
**30-025-00719**

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

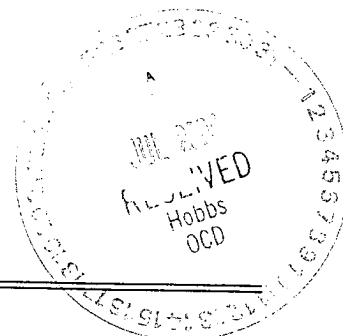
11. County or Parish, State  
**Lea**

## 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 type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input checked="" 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.)

See Attached Procedure



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

**Tim L. Chase**

Title **Senior Engineer Technician**

Signature

*Tim L. Chase*

Date

**06/23/2004**

## THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by **(GRIG.SGD) DAVID B. GLASS**

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.

Title

Date

**'JUL 22 2004**

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.

(Instructions on page 2)

GWW

SEE ATTACHED FOR  
CONDITIONS OF APPROVAL

## ConocoPhillips

### Proposed Plugging Procedure

Queen -B- #6

Maljamar (Grayburg-San Andres) Field

Lea County, New Mexico

**See attached wellbore diagrams for wellbore configuration**

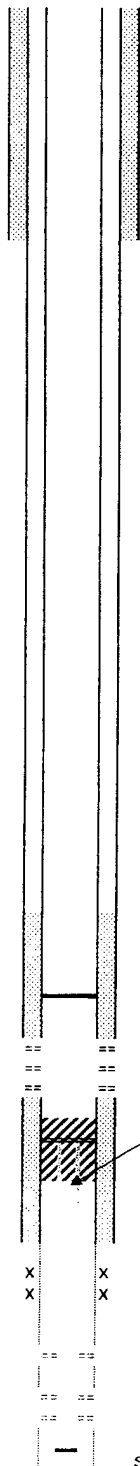
TA'd w/ CIBP/ (no cmt) @ 3,130' (held to 500# for 30 min 04/00). Top 108' of 5½" casing is 14# J-55 (remaining 5-1/2" weight/grade unknown). All perms (3,178 – 4,030') are isolated.

- Notify OCD 48 hrs prior to move in, and 4 hrs prior to plugs
  - Hold daily tailgate safety meetings w/ crews
  - Contact NM Digtess (1-800-321-2537, Account #6778) minimum 48 hrs prior to move-in
1. Set steel pit and flow down well as needed. Deliver 3,130' 2⅜" workstring.
  2. MIRU plugging equipment. ND wellhead and NU 6" 3,000# manual BOP.
  3. RIH w/ workstring, tag CIBP @ 3,130'. Circulate hole w/ plugging mud and pump 25 sx C cement on CIBP to 3,030'. POOH w/ tubing. **GBSA Plug**
  4. RU lubricator and RIH w/ wireline, perforate 5½" casing w/ four 1-11/16" link-jet perforating gun @ 1,930'. POOH w/ wireline, RD lubricator.
  5. RIH w/ AD-1 packer. Load hole w/ plugging mud. Set packer. Establish rate into perforations and squeeze 35 sx C cement w/ 2% CaCl<sub>2</sub> @ 1,930 – 1,830'. **Base of Salt Plug – WOC & TAG**. POOH w/ tubing.
  6. RU lubricator and RIH w/ wireline, perforate 5½" casing w/ four 1-11/16" link-jet perforating gun @ 1,000'. POOH w/ wireline, RD lubricator.
  7. RIH w/ AD-1 packer. Load hole w/ plugging mud. Set packer. Establish rate into perforations and squeeze 35 sx C cement w/ 2% CaCl<sub>2</sub> @ 1,000 – 900'. **Top of Salt Plug – WOC & TAG**. POOH w/ tubing.
  8. RU lubricator and RIH w/ wireline, perforate 5½" casing w/ four 1-11/16" link-jet perforating gun @ 50'. POOH w/ wireline, RD lubricator.
  9. ND wellhead and NU BOP, establish circulation and circulate 25 sx C cement 50' to surface. **Surface plug**
  10. Cut off wellhead and anchors, install dry hole marker. Level location. Leave location clean and free of trash.

**CURRENT WELLBORE SKETCH**  
**ConocoPhillips Company -- Permian Basin Business Unit**

Date: May 17, 2004

RKB @ \_\_\_\_\_  
 DF @ 3996'  
 GL @ \_\_\_\_\_



12-1/2" OD @ 20'

Cemented w/25 sx cement

TOC of 5-1/2" Csg @ 2500'

CIBP @ 3130' (4/00)

Queen

3178-3204 -- 2 JSPF (5/95)

Cmt Ret @ 3335' w.57 sx below & 35 sx above  
Top Liner @ 3337'

5-1/2" OD @ 3543'  
 Cemented w/250 sx cement  
 TOC @ 2500'

3760' sqz w/200 sx; TOC 3564'

3800' Sqz w/118 sx cmt

4-3/4" Hole  
 OH 3543' - 4150'

Grayburg 6th

3856-38954 3912-3966

San Andres 7th

3912-3966 3980-3992

3998-4002 4010-4030 (266 holes) 10/89

Spot 30 sx cmt 4150'-4037'

CIBP @ 4088' pushed down from 3800'

Btm of Liner @ 4149'

4" OD Liner 10.46# set 3337'-4149'

PBTD 3130'  
 OTD 3905'  
 NTD 4150'

Subarea : Maljamar  
 Lease & Well No. : Queen-B No. 6 / (MCA Unit No. 147)  
 Legal Description : 1980' FNL & 1980' FWL, SE/4 NW/4 Sec. 27,  
T-17-S, R-32-E N.M.P.M. Meridian  
 County : Lea State : New Mexico  
 Field : Maljamar (GB/SA)  
 Date Spudded : May 19, 1942 IPP:  
 API Number : 30-025-00719 403 BO, 0 BW  
 Status: \_\_\_\_\_

**Drilled as Balsh "B" No. 6**

**Stimulation History:**

Interval	Date	Type	Gals	Lbs. Sand	Max Press	ISIP	Max Rate	Max Down
	5/42	Drilled with cable tools.						
	5/42	Deepen from 3905' to 4105'						
OH 3905-4100	6/11/42	Nitroglycerine	380 Quarts					
OH 3830-3900		Nitroglycerine	140 Quarts					
	11/23/57	Plugged well back from 4100' to 4037' using 30 sx Neat cmt.						
OH 3905-4037'	11/26/57	Gelled Lse Oil	15,000	22,500	4000	1700	19.8	
	1/1/60	Name changed to Queen-B No. 6						
	5/1/63	Unitized as MCA Unit No. 147						
	10/1/65	Run rods to install pump						
	12/15/65	Hot oil flow lines to remove paraffin						
	4/12/66	Hot oil flow lines to remove paraffin						
	9/18/66	Hot oil flow lines to remove paraffin						
	9/27/69	Located leak in csg between 60 and 90' from surface Cut casing @ 120', ran 107' 5-1/2" 14# J-55 csg w/Bowen csg bowl, latch onto csg @ 108', tst w/750# OK. Welded band on 5-1/2" csg.						
	10/6/69	Ran 4-3/4" bit & CO fill from 3905' to 4150'						
	10/7/69	Convert to wtr inj @ 1285 BWPD @ 0 psi. 2-3/8" CL tbq w/660' 2" fiber glass tail pipe. Set pkr @ 3500', tail pipe @ 4100'.						
3674-4055	6/8/71	20% NEFE	4,000	2200	850	1.4		
3674-4055	6/9/71	Gelled Water	40,000	36,000	3500	1850	12.1	
	2/28/83	CO w/coil tbq to 3800', ran injection survey						
	6/15/84	CO 3800-3920' w/20 bbls 2% KCl						
3800-3920	6/18/84	15% NEFE HCl	1,680					
	12/28/84	WIH w/csg scraper to 3523'. WBIH w/Guib Uni VI pkr @ 3444'						
	9/20/89	Jet wash 3540 to 4150'						
	10/4/89	Tight spot in gauge hole @ 4050'; underream 4020-4060'						
	10/5/89	Set 4", 10.46#, FL-45 csg liner w/ 250 sx cmt Top of Liner 3337'; btm of liner 4149'						
	10/16/89	Perf 3856-3894, 3912-3966, 3980-3992, 3998-4002 & 4010-4030						
	10/17/89	GIH w/Otis Inter-Lock pkr @ 3742', circ pkr fluid						
	11/11/89	18 Hr Shut-in press 1375#. SI Temp indicates a channel up from top of perfs 3856 up to 3350'. Crossflow check indicates flow down from 3950' to 4000' and upward flow from 3900' up to top of 3856' 30 min SI press 1650#.						
	1/18/90	Converted to CO2 injection						
	3/1/90	Inj press 2110#. Tracer & velocity survey indicates major loss in perfs from 3856-84. No channel indicated and no pkr leak. SI temp indicates possible channel up. No crossflow indicated in zone.						
	9/19/90	CO w/coil tbq, pmp 45 bbls acid						
	10/19/90	Inj Profile - all CO2 loss in Upr zone @ 3850-3869'						
		No flow below 3874', no upward channel indicated by tracer.						
	10/28/91	Inj Profile: Losses 90% 3856-94; 10% 4020-30'						
	12/2/92	Inj Profile: Major Loss 3860-70'						
	9/15/94	bad csg @ 3748'; Set CIBP @ 3800'; pkr @ 3325', sqz w/118 sx cmt						
	9/27/94	Mill up CIBP down to 4088'						
	1/12/95	Archeological Clearance Report						
	2/23/95	Isolate csg leak 8' from surf.						
	3/6/95	Set Cmt Retainer @ 3335', pmp 57 sx. Stung out of retainer spot 35 sx on top of retainer; TOC @ 3325'						
	5/2/95	Tag PBTD @ 3295'. Perf Queen 3178-3204' w/2 JSPF						
	5/4/95	15% NEFE HCl	1,470	78 BS				
	5/5/95	Aqua Frac 30		38,000	2870	1865		17.8
	5/30/95	Test: 0 BO, 0 BW, 503 Mcf						

4/19/00 Set CIBP @ 3130', circulate packer fluid and test to 500# for 30 minutes. Held OK. POOH laying down tbq.  
 TEMPORARILY ABANDONED

5/17/04 Recommendation made to either recomplete in the Yates and Seven Rivers or plug and abandon. If decision is made to plug and abandon then work must be done in 2004.

**PROPOSED WELLBORE SKETCH**  
**ConocoPhillips Company -- Permian Basin Business**

Date: June 9, 2004

RKB @	
DF @	3996'
GL @	

Subarea :	Maljamar		
Lease & Well No. :	Queen-B	No. 6	/ (MCA Unit No. 147)
Legal Description :	1980' FNL & 1980' FWL, SE4 NW4 Sec. 27,		
	T-17-S, R-32-E	N.M.P.M. Meridian	
County :	Lea	State :	New Mexico
Field :	Maljamar (GB/SA)		
Date Spudded :	May 19, 1942	IPP:	
API Number :	30-025-00719	403 BO, 0 BW	
Status:	TA'd		
Drilled as Batish "B" No. 6			

9/27/69 Located leak in csg between 60 and 90' from surface  
Cut casing @ 120', ran 107' 5-1/2" 14# J-55 csg w/Bowen  
csg bowl, latch onto csg @ 108', tst w/750# OK. Welded band  
on 5-1/2" csg.

### PROPOSED PLUGGING PROCEDURE

- 1) CIBP w/ 25 sx C cement on existing CIBP, Balanced @ 3,130 - 3,030'
- 2) 35 sx C cement plug, Perf & Squeeze Under Packer @ 1,930 - 1,830' TAG
- 3) 35 sx C cement plug, Perf & Squeeze Under Packer @ 1,000 - 900' TAG
- 4) 25 sx C cement @ 50' - Surface, Perf & Squeeze

TOC of 5-1/2" Csg @ 2500'

1) 25 sx C cmt on existing CIBP 3,130 - 3,030'  
CIBP @ 3130' (4/00)

Queen

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