

N.M. Oil Cons. Division
1625 N. French Dr.
Hobbs, NM 88240

Form 3160-5
(August 1999)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0135
Expires November 30, 2000

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 St., Odessa, TX 79762

3b. Phone No. (include area code)
(432)368-1506

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

5. Lease Serial No.

LC 057210

6. If Indian, Allottee or Tribe Name

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

MCA Unit

8. Well Name and No.

MCA Unit #268

9. API Well No.

30-025-23705

10. Field and Pool, or Exploratory Area

Maljamar G-SA

11. County or Parish, State

Lea County, New Mexico

Sec. 28, T-17-S, R-32-E, UL K, 1345' FSL & 1345' FWL

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 checked="" type="checkbox"/> Other <u>Acidize</u>
	<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 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.)

This is a notice of intent to acidize existing Grayburg/San Andres perforations for the above mentioned well. For your convenience, I have attached the recommended procedure and a wellbore diagram.

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

Name (Printed/Typed)

Stacey D. Linder

Title

HSE/Regulatory Representative

Signature

Date

03/17/2004

APPROVED

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

(ORIG. SGD.) DAVID R. GLASS

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

Title 18 U.S.C. Section 1001 makes 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.

MCA Unit #268
Acidize Existing Grayburg/San Andres Perforations

E. Recommended Procedure

1. MIRU well service rig. POOH w/ rods and pump. Check rods and pump for signs of scale or paraffin. Analyze any scale or paraffin present for type. ND wellhead and NU shop tested, Class 1 BOP and environmental tray.
2. Lower 2 7/8" tubing, tag fill, and TOOH w/ 2 7/8" tubing. Visually inspect tubing while pulling. If condition is good, use tubing as workstring. If not, lay down 2 7/8" tubing and PU 2 7/8" workstring.
3. If fill is above 4110', TIH w/ bit and bailer on tubing. CO to 4120'+/-. TOOH w/ bit, bailer and tubing and obtain fill sample. Check fill sample for calcium sulfate scale. If calcium sulfate scale is present, a scale converter will be required prior to the acid stimulation.
4. TIH with 5 1/2" treating packer on workstring. Test workstring to 4000 psig while GIH. TIH w/ packer on workstring to 4110'+/-.
5. MIRU pump truck. Spot 9 bbl xylene across perms 3746-4110'. Set packer at 3720'+/-. SI 2-3 days to allow xylene to soak and to build fluid level.
6. RU swab equipment and swab back xylene. RD swab equipment. Load back side with clean produced water.
7. MIRU pump truck. Test all surface lines to 4000 psig. Acidize Grayburg perms 3746-4110' overall w/ 4500 gal of 15% NEFE HCl using 800# of rock salt in three stages @ 3-4 BPM and max P of 3500 psig as follows:
 - a) Pump 1500 gal of 15% NEFE HCl.
 - b) Pump 400 gal of 10# gelled brine containing 400# rock salt.
 - c) Pump 1500 gal of 15% NEFE HCl.
 - d) Pump 400 gal of 10# gelled brine containing 400# rock salt (adjust rock salt amount based on response during step b).
 - e) Pump 1500 gal of 15% NEFE HCl.
 - f) Flush to 4110' w/ produced water.
 - g) Record ISIP, 5, 10, & 15 minute SI pressures.
8. RDMO pump truck. Flow back well until it dies. RU swab equipment and swab acid water. RD swab equipment.
9. Unseat packer. TOOH w/ workstring and packer.
10. TIH with 2 7/8" production tubing.
11. ND BOP and NU WH. RIH with pump and rods.
12. RDMO well service rig and return well to production. Report results in WellView until well is pumped down or load is recovered, then drop from report.

Jack T. Lowder

Jack T. Lowder
3/5/04

ConocoPhillips - Permian Basin
February 25, 2004

GL 3942'
DF 3953' Ref

8 5/8" Casing (12 1/4" hole).
Set at 910'.
28 jts - 20#, Special, ST&C.
475 sx cmt. Circ 50 sx.

TOC at 3100' by temperature survey.

3284-3285' w/ 1 SPF (2 holes) - Sqzd

Grayburg 5th Perforations
3746', 3748', 3755' w/ 2 SPF (6 holes).
3757', 3761', 3762' w/ 2 SPF (6 holes).

Grayburg 6th Perforations
3778' (2 SPF), 3881' (2 SPF) (4 holes).
3785' (2 SPF), 3805' (1 SPF) (3 holes).
3811' (1 SPF), 3812' (2 SPF) (3 holes).
3826' (1 SPF), 3827' (2 SPF) (3 holes).
3839' (1 SPF), 3840' (2 SPF) (3 holes).
3854' (2 SPF), 3855' (1 SPF) (3 holes).

San Andres 7th Perforations
3871' (2 SPF), 3875' (1 SPF) (3 holes).
3904' (1 SPF), 3905' (2 SPF) (3 holes).
3912' (3 SPF), 3922' (3 SPF) (6 holes).
3928' (1 SPF), 3930' (2 SPF) (3 holes).
3964' (1 SPF), 3965' (2 SPF) (3 holes).
3975' (2 SPF), 3976' (1 SPF) (3 holes).
3981' (2 SPF), 3986' (1 SPF) (3 holes).
3988' (2 SPF), 4005' (3 SPF) (5 holes).
4010' (2 SPF), 4011' (1 SPF) (3 holes).

San Andres 9th Perforations
4051' (1 SPF), 4053' (2 SPF) (3 holes).
4058' (1 SPF), 4059' (2 SPF) (3 holes).
4061' (2 SPF), 4072' (1 SPF) (3 holes).
4073' (2 SPF), 4080' (2 SPF) (4 holes).
4081' (1 SPF), 4082' (2 SPF) (3 holes).
4097' (1 SPF), 4098' (2 SPF) (3 holes).
4101' (2 SPF), 4102' (1 SPF) (3 holes).
4109' (2 SPF), 4110' (1 SPF) (3 holes).

5 1/2" Casing (7 7/8" hole)
Set at 4155'.
129 jts - 14#, J-55, ST&C.
450 sx cmt. TOC at 3100' by TS.

PBTD: 4121'
TD: 4155'

Lease & Well No.: **MCA Unit #268**

Well Category: One Status: Active Producer
Area: New Mexico
Subarea: Maljamar
Field: Maljamar Grayburg/San Andres
API Number: 30-025-23705
Legal Description: 1345' FSL, 1345' FWL, Sec 28, T-17-S, R-32-E
Lea County, New Mexico
Spudded: 03/15/1971
Completed: 04/27/1971

Well History:

3/71 Water flow up 5 1/2" x 8 5/8" annulus. Temp log ind water flow 3130-3290'. Perf'd 3284-85' w/ 2 holes. Sqzd w/ 300 sx cmt. No sqz. Sqzd w/ 300 sx cmt. No sqz. Sqzd w/ 300 sx cmt. No sqz.

4/71 Set cmt ret at 3079'. Sqzd 3284-85' w/ 250 sx cmt. RO 8 bbls. DO & CO to 3320'. No sqz. Trtd 3284-85' w/ 250 gal 15% HCl. Sqzd 3284-85' w/ 50 sx cmt (40 sx in form). DO & CO to 4121'. Perf'd San Andres 7th 4005', 11', San Andres 9th 4051', 58', 72', 81', 97', 4102', 10' w/ 1 spf (9 holes). Acddzd 4097-4110' overall w/ 1000 gal 20% HCl. Comm w/ upper perms. Acddzd 4051-4110' overall w/ 4000 gal 20% CRA HCl. Perf'd San Andres 7th 3875', 3904', 12', 22', 28', 64', 76', 86', Grayburg 6th 3805', 11', 26', 39', 55' w/ 1 spf (13 holes). Acddzd 3964-4011' overall w/ 1000 gal 15% HCl. Acid frac'd 3964-4011' overall w/ 1000 gal 40# gelled wtr & 2500 gal 15% HCl. Acddzd 3904-3928' overall w/ 1000 gal 15% HCl. Acid frac'd 3904-3928' overall w/ 1000 gal 40# gelled wtr & 2500 gal 15% HCl. Acddzd 3805-3875' overall w/ 1000 gal 15% NE HCl. Frac'd 3805-3875' overall dwn tbg w/ 30,000 gal 40# gelled prod wtr and 52,500 lbs 20-40 mesh sand. IPP 78 bo, 57 mcfg, 32 bw / 8 hrs on 5/4/71.

12/88 Tested csg & isolated casing leak at 995-1026'. Sqzd 995-1026' w/ 250 sx cmt. DO & CO fill to 4120'. Perf'd Grayburg 5th 3746', 48', 55', 57', 61', 62', Grayburg 6th 3778', 81', 85', 3812', 27', 40', 54', San Andres 7th 3871', 3905', 12', 22', 30', 65', 75', 81', 88', 4005', 10', San Andres 9th 4053', 59', 61', 73', 80', 82', 98', 4101', 09' w/ 2 spf (66 holes). Acddzd 3871-4110' overall w/ 1890 gal 15% NEFE HCl. Frac'd 3746-4011' overall dwn tbg w/ 15,624 gal gelled wtr and 26,670 lbs 16-30 mesh Ottawa sand.

4/89 Replaced 2000# screw type wellhead w/ 5 1/2" 3000# flanged wellhead.

Equipment Data as of 11/20/01:

121 jts - 2 7/8", 6.5#, EUE Tubing (Btm jt IPC).
SN at 4016'.
98 - 3/4" Grade C Rods (2450').
60 - 7/8" Grade C Rods (1500').
2 - 1 1/2" K-Bars.
2 1/2" x 1 1/2" x 16" RHBC Pump.