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to Appropriate  
District Office

State of New Mexico  
Energy, Minerals and Natural Resources Department

Form C-103  
Revised 1-1-89

**OIL CONSERVATION DIVISION**

**DISTRICT I**

P.O. Box 1980, Hobbs NM 88241-1980

**DISTRICT II**

P.O. Drawer DD, Artesia, NM 88210

**DISTRICT III**

1000 Rio Brazos Rd., Aztec, NM 87410

2040 Pacheco St.  
Santa Fe, NM 87505

WELL API NO.  
30-039-07640

5. Indicate Type of Lease  
STATE ☐ FEE ☒

6. State Oil & Gas Lease No.

**SUNDRY NOTICES AND REPORTS ON WELLS**  
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A  
DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT"  
(FORM C-101) FOR SUCH PROPOSALS.)

1. Type of Well:  
OIL WELL ☐ GAS WELL ☒ OTHER 017654

2. Name of Operator  
Phillips Petroleum Company

7. Lease Name or Unit Agreement Name  
San Juan 29-6 Unit 009257

3. Address of Operator  
5525 Highway 64, NBU 3004, Farmington NM 87401

8. Well No.  
SJ 29-6 Unit #11

4. Well Location  
Unit Letter M : 850 Feet From The South Line and 850 Feet From The West Line

Section 7 Township 29N Range 6W NMPM Rio Arriba County

10. Elevation (Show whether DF, RKB, RT, GR, etc.)

11. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

**NOTICE OF INTENTION TO:**

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐  
TEMPORARILY ABANDON ☐ CHANGE PLANS ☐  
PULL OR ALTER CASING ☐  
OTHER: ☐

**SUBSEQUENT REPORT OF:**

REMEDIAL WORK ☐ ALTERING CASING ☐  
COMMENCE DRILLING OPNS. ☐ PLUG AND ABANDONMENT ☐  
CASING TEST AND CEMENT JOB ☐  
OTHER: Add pay and stimulate ☒

12. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

See attached for the procedure used to add additional perms and stimulate the Menefee interval and then add pay and stimulate the Lewis Shale interval all within the existing Mesaverde formation.

**RECEIVED**  
JUL 16 1999  
**OIL CON. DIV.**  
DIST. 3

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Patsy Clugston TITLE Regulatory Assistant DATE 7/14/99

TYPE OR PRINT NAME Patsy Clugston TELEPHONE NO. 505-599-3454

(This space for State Use)

APPROVED BY ORIGINAL SIGNED BY ERNIE BUSCH

**DEPUTY OIL & GAS INSPECTOR, DIST. 3**

**AUG 03 1999**

CONDITIONS OF APPROVAL, IF ANY:

**Sar Juan 29-6 Unit # 11**  
**Fee; Unit M, 850' FSL & 850' FWL**  
**Section 7, T29N, R6W; Rio Arriba County, NM**

**Procedure used to add pay and stimulate the Menefee interval and then add pay and stimulate the Lewis Shale interval all within the existing Mesaverde formation.**

6/24/99

MIRU Key Energy #40. Kill well. ND WH & NU BOP. PT - OK. COOH w/2-3/8" tubing. GIH & cleaned out fill to PBTD w/air mist. COOH. RU wireline & set CIBP @ 5412'. Perforated Menefee interval w/.31" dia holes @ 1 spf as follows:

5397',	5394',	5393',	5337',	5329',	5327',	
5320'	5306',	5294',	5291',	5270',	5245',	
5237',	5219',	5215',	5211',	5194',	5191'	<b>Total 18 Holes</b>

RIH w/4-1/2" FB packer, spotted 200 gal 15 % HCL across perfs. & then set packer @ 5373'. RU to acidize perfs. Pumped 333 gal 15% HCL & ballsealers, followed by 2% KCL water. Released packer & knocked balls off. COOH w/packer. RIH w/4-1/2" CIBP & set @ 4980'. PT - OK. Ran GR/CCL/CBL from 4890' to surface. TOC 4330'. GIH & shoot 3 (.31" dia) squeeze holes @ 4275'. RIH w/cement retainer & set @ 4230'. PT - OK. 6/25/99 - pumped 65 sx Class H w/2% CaCl<sub>2</sub> @ 15.6 ppg, 1 yield of 1.2. Displaced with 15.5 bbls water. Sting out retainr & reversed out 1 bbls cement. COOH. RIH w/3-7/8" bit & tagged cement @ 4220'. Drilled cement, retainer & cement to 4275'. PT casing, squeeze & rams to 500 psi - 30 minutes. OK. Rolled hole w/90 bbls 2% KCl.

RU to perf Lewis Shale @ 1 spf (.38" dia) 120 degree phased holes as follows (Huerfanito Bentonite not present, equivalent stratigraphic depth is 4021').

4275' - 4278' (3');	4328' - 4331' (3');	4406' - 4409' (3');	4440' - 4443' (3');;
4477' - 4480' (3');;	4519' - 4522' (3');;	4540' - 4543' (3');;	4589' - 4592' (3');;
4690' - 4693' (3');;	4733' - 4736' (3');;	4815' - 4818' (3');;	4847' - 4850' (3') <b>Total 36 holes</b>

Spotted 125 gal of 15% HCL acid over perfs.. RIH w/4-1/2" FB packer & set @ 4090'. Attempted to establish injection rate to acidize well. Took 2400 gals of 15% HCL acid & ballsealers, & 20 bbls KCL in 3 different stages. Packer released and balls knocked off after each. RU to frac. Pumped 75,810 gal 60 Quality N2 30# X-link borate foam w/201,000 # 20/40 Brady sand tagged with .43 millicuries/1000#s SD of Iridum 192. Total N2 - 883,000 scf. Total fluid to recover 722 bbls. ATR-45 bpm, ATP - 2950 psi. ISIP 360 psi. Flowed back on 1/4" and 1/2" chokes for approx. 26 hrs.

Released packer & COOH. RIH w/lockset BP & set @ 300'. Test BP & tubing head. Had slight bled off, repaired head. PT to 1500 psi- OK. Released BP & COOH. RIH w/bit & cleaned out to CIBPs @ 4980' & 5214'. Drilled out both. Chased debris to 5627' (new PBTD). COOH. RIH w/2-3/8" tubing and set tubing @ 5490' w/"F" nipple set @ 5464'. ND BOP & NU WH. PT - OK. Pumped off expendable check. RD & released rig 7/3/99. Turned well over to production department.