

Submit 3 Copies  
to Appropriate  
District Office

State of New Mexico  
Energy, Minerals and Natural Resources Department

Form C-103  
Revised 1-1-89

DISTRICT I  
P.O. Box 1980, Hobbs NM 88240

DISTRICT II  
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III  
1000 Rio Brazos Rd., Aztec, NM 87410

**OIL CONSERVATION DIVISION**

P.O. Box 2088  
Santa Fe, New Mexico 87504-2088

WELL API NO.	30-045-29359
5. Indicate Type of Lease	STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No.	E-178-4
7. Lease Name or Unit Agreement Name	San Juan 32-7 Unit 009260
8. Well No.	S.J. 32-7 Unit #13A
9. Pool name or Wildcat	Blanco Mesaverde 72319
10. Elevation (Show whether DF, RKB, RT, GR, etc.)	6659' KB

**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 <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER	2. Name of Operator Phillips Petroleum Company
3. Address of Operator 5525 Highway 64, NBU 3004, Farmington, NM 87401	4. Well Location Unit Letter E : 1546' Feet From The North Line and 826' Feet From The West Line
Section 16 Township 32N Range 7W NMPM San Juan County	10. Elevation (Show whether DF, RKB, RT, GR, etc.) 6659' KB

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: squeeze casing leak & stimulate well ☒

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 isolate and squeeze a casing leak found @ liner top. Also find the perf intervals, stimulation procedure and tubing information.

**RECEIVED**  
JUN 20 1996  
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 Ed Hasely TITLE Envir./Regulatory Engineer DATE 6-19-96

TYPE OR PRINT NAME Ed Hasely TELEPHONE NO. 505-599-3454

(This space for State Use)

APPROVED BY Johnny Robinson DEPUTY OIL & GAS INSPECTOR, DIST. #3 DATE JUN 20 1996  
CONDITIONS OF APPROVAL, IF ANY:

**San Juan 32-7 #13A**

**Procedure used to cement squeeze casing leak @ liner top, perforate and stimulate.**

5/30/96

MIRU Big A #18, NU surface equipment and test - OK. GIH & tagged cement @ 5900' & drillout to 5990'. Circ. hole clean. COOH. RIH w/7" packer, test casing, broke down @ 1200 psi. RU Bluejet & ran GR-N-CCL. RIH w/4 ½" RBP & 7" Packer. Isolated leak @ liner top.

RIH set 4 ½" RBP @ 3783' & 7" Packer @ 3536'. Established pump rate of 2 ½ bpm @ 1250 psi. Dumped 7 ½ gal sand on RBP.

RU BJ to squeeze liner top. Pumped 10.5 bbls Class B cement + 2% CaCl<sub>2</sub>. Displaced with 15 bbls water. 1st squeeze @ 725 psi, 2nd squeeze 800 psi - 1500 psi. Reversed out w/15 bbls H<sub>2</sub>O, set packer @ 3228'. Put 500 psi on backside & 1500 psi on tubing. Cement in place @ 11:25 pm on 6-3-96. Put away 2.8 bbls cement in formation.

Released Packer & COOH. GIH w/6-1/8" bit and tagged top of cement @ 3627'. Drilled cement 3627'-3740' (112' total). COOH & GIH w/3-7/8" bit, drill 2' cement in 4 ½" liner top. Tested liner top to 3000 psi - 10 min. held - OK. Drilled cement in liner. Cleaned out to RBP. COOH. GIH w/retrieving head and circ. hole w/147 bbl 1% KCl. Release RBP & COOH. Tested 7" & 4 ½" casing to 4000 psi. Held 15 min. - Good test.

RU Bluejet to perforate. Perforated as follows:

1 spf with .28" hole

5924' -	1 ft	1 hole
5884' - 5894'	10 ft	10 holes
5854' - 5859'	5 ft.	5 holes
5844' - 5849'	5 ft.	5 holes
5766' - 5768'	2 ft.	2 holes
5706' - 5708'	2 ft.	2 holes
5691' - 5696'	<u>5 ft.</u>	<u>5 holes</u>
TOTAL	30 ft	30 holes

RIH w/7" Packer and unable to breakdown formation @ 3900 psi. COOH with 7" packer and RIH with 4 ½" packer on 2-3/8" tubing. Spot 3.4 bbls 15% HCl acid across perfs. Set packer @ 5543'; broke down perfs @ 4200 psi. Acidize with 18 bbls - 15% HCl acid w/3 balls per bbl. Balled off @ 4500 psi. Surged off balls. Displaced w/38 bbls KCl water. Released Packer and knocked balls off. RD BJ. COOH w/4 ½" packer.

RU BJ to frac. Tested frac lines. Test good. Frac job as follows:

Treating fluid 63,405 gals of 30# gel-water w/1% KCl  
842,000 scf N<sub>2</sub> with 50% quality foam  
250,900 # 20/40 Arizona Sand in 2# to 8# stages.  
Treating pressure - Max. 4000 psi, Min. 3300 psi, Avg. 3700 psi  
Avg rate @ 50 bpm, ISIP 3000 psi.

Flowed back immediately on ¼" choke. Flowed back 91 hours. GIH tagged top of fill 5666' - 328' fill. CO to 5993', circ. hole clean w/soap sweeps and gas. Flowback on ¼" choke for 18 hours. CO sand from 5963'-5993'. Circulate hole clean. Landed 2-3/8" 4.7# J-55 8rd EUE tubing @ 5838'; expendable check @ 5837', 1.81 "F" profile nipple @ 5805'. ND BOP & NU WH & tested - OK. Pump off expendable check w/1 ½ bbls KCl water & 1350 psi gas. Reverse circ. hole and tubing clean. RD & MO Big A #18 on 6-12-96 @ 1300 hrs. Well complete. Waiting on connection to first delivery.