

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.  
Use "APPLICATION FOR PERMIT - " for such proposals

**SUBMIT IN TRIPLICATE**

1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other	5. Lease Designation and Serial No. <b>SF-078281</b>
2. Name of Operator <b>Phillips Petroleum Company</b>	6. If Indian, Allottee or Tribe Name
3. Address and Telephone No. <b>5525 Highway 64, NBU 3004, Farmington, NM 87401 505-599-3454</b>	7. If Unit or CA, Agreement Designation <b>San Juan 29-5 Unit</b>
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) <b>1090' FNL &amp; 1650' FEL B Section 20, T29N, R5W</b>	8. Well Name and No. <b>SJ 29-5 Unit #15</b>
	9. API Well No. <b>30-039-07595</b>
	10. Field and Pool, or exploratory Area <b>Blanco Mesaverde</b>
	11. County or Parish, State <b>Rio Arriba, NM</b>

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

TYPE OF SUBMISSION	TYPE OF ACTION
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
	<input checked="" type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input checked="" type="checkbox"/> Other <b>Add Pay &amp; Stimulate</b>
	<input type="checkbox"/> Change of Plans
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Attached is the procedure used to isolate the casing leak, squeeze and then add Lewis Shale pay to the existing Mesaverde formation and then stimulate the above mentioned well.

RECEIVED  
JUL - 7 1997

OIL CON. DIV.  
DIST. 3

RECEIVED  
BLM  
97 MAY - 6 AM 8:51  
070 FARMINGTON, NM

14. I hereby certify that the foregoing is true and correct. Signed <u><i>Falsy Clugsten</i></u> Title <u>Regulatory Assistant</u>	<b>ACCEPTED FOR RECORD</b> JUL 03 1997
(This space for Federal or State office use) Approved by _____ Title _____ Date _____ Conditions of approval, if any: _____	

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.

\* See Instruction on Reverse Side

NMOC

**San Juan 29-5 #15**  
**SF-078281, 1090' FNL & 1650' FEL**  
**Section 20, T29N, R5W; Rio Arriba County, NM**

Procedure used isolate casing leak, squeeze and then add Lewis Shale pay  
to existing Mesaverde formation and stimulate.

4-18-97

MIRU Big A #18. Killed well. ND WH & NU BOPs and Test. POOH w/2-3/8" production tubing and 5-1/2" EGJ production packer. GIH w/scraper to 5910'. POOH. RU Bluejet & set 5-1/2" RBP @ 4815'. Dump sand on top of RBP. Load hole with 2% KCl water & RIH w/packer to isolate hole in casing. Found hole @ 3240'. RIH & set 5-1/2" fullbore packer @ 2980'. Load backside & put 500 psi on packer. RU BJ Test to 3500# good test. = est. rat 4 bpm @ 180#.

BJ pumped squeezed as follows: Pumped 21 bbls (100 sx, 118 cu ft) Class B cement w/2% CaCl<sub>2</sub>= slurry wt. 15.6 ppg = 1.18 yield. Circ. to surface up 7-5/8" intermediate. Shut intermediate @ half way point in squeeze, put 88 sxs of cement in 7-5/8" casing. Left 18 sx in 5-1/2" casing = 145 ft of cement to drill out. ; got a block squeeze @ 1000#. Release packer. Re-set packer @ 2350' & put 1000# on squeeze & 500# on backside. RD and released BJ. Release packer & RIH w/bit & scraper. Drilled cement from 3055' to 3255'; PT to 500# with no bleed off. OK. Ran GR/CCL/ CBL. RIH w/3-1/8" perforating gun. Perforated Lewis Shale formation as follows: 1 spf @ 120° phasing.

4720'-4725'	=	5'	=	5 holes
4652'-4657'	=	5'	=	5 holes
4595'-4600'	=	5'	=	5 holes
4575'-4580'	=	5'	=	5 holes
4500'-4505'	=	5'	=	5 holes
4370'-4375'	=	5'	=	5 holes
4345'-4350'	=	5'	=	5 holes
<u>4325'-4335'</u>	=	<u>10'</u>	=	<u>10 holes</u>
<b>Total</b>	=	<b>45'</b>	=	<b>45 holes</b>

Top of cement @ 4670'. RIH w/5-1/2" Baker Packer & 3-1/2" workstring & set @ 4245'. Test to 500# for 30 min. -good test. BJ acidize well as follows: 24 bbls of 15% HCL acid w/68 ball sealers. Release packer & knocked balls off. Reset packer. Frac'd well with 74,676 gal of 2% KCl water. Pumped 213,140# of 20/40 AZ sand & pumped 769,000 scf N<sub>2</sub> w/840 gal quality crosslinked foam. Treating pressure avg. 5695#. Avg rate 28.5 bpm total. ISDP = 1,980 psi. RD BJ. Flowed back on 1/4" choke for @ 120 hours. COOH w/fullbore packer. Cleaned out well to 5880'.

RIH 2-3/8" 4.7# J-55 tubing & set as follows: 2-3/8" set @ 5821', FN @ 5788'; 5-1/2" Baker Model R-3 Packer set @ 4802'; Model L sliding sleeve set @ 4419'.

ND BOPs & NU WH. Test. Open sliding sleeve. POOH. RD & MO ( 5-02-97). Turned well over to production.

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