Form 3160-5 (June 1990)

## **UNITED STATES** DEPARTMENT OF THE INTERIOR

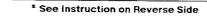
FORM APPROVED			
Budget Bureau	No.	1004-0135	
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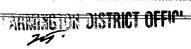
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Budget	Bur	eau	No.	10	04-013:	5
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 Expires:	March	31,	1993	
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BUREAU OF LAND MANAGEMEN I		5. Lease Designation and Serial No.
SUNDRY NOTICES AND REPORTS ON WELLS		SF-080377
Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.		6. If Indian, Allottee or Tribe Name
	PERMIT - " for such proposals	
	FERMIT - TOT SUCH PROPOSAIS	7 16 11 12 2 (24 )
SUBMIT	IN TRIPLICATE	7. If Unit or CA, Agreement Designation
1. Type of Well		San Juan 29-6 Unit
Oil X Gas Other		8. Well Name and No.
2. Name of Operator		C 1 20 C H . : : //70 A
Phillips Petroleum Company		SJ 29-6 Unit #72A 9. API Well No.
3. Address and Telephone No.		30-039-21344
5525 Highway 64, NBU 3004, Farming		10. Field and Pool, or exploratory Area
4. Location of Well (Footage, Sec., T., R., M., or Survey De	scription)	
Unit F, 1450' FNL & 1620' FWL Section 22, T29N, R6W		Blanco Mesaverde
Section 22, 123N, ROW		11. County or Parish, State
OUTOW ADDRODULTE DOWN		Rio Arriba, NM
12. CHECK APPROPRIATE BOX(s	) TO INDICATE NATURE OF NOTICE, REPOR	RT, OR OTHER DATA
TYPE OF SUBMISSION	TYPE OF ACTION	ON .
Notice of Intent	Abandonment	
	Recompletion	Change of Plans
X Subsequent Report	Plugging Back	New Construction
	Casing Repair	Non-Routine Fracturing
Final Abandonment Notice		Water Shut-Off
	Altering Casing  Other Add pay and stimula	Conversion to Injection
	Ex Other Add pay and St Illula	(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)
give satisfactor readings and measured and the verifi-	pertinent details, and give pertinent dates, including estimated date of seal depths for all markers and zones pertinent to this work.)*  to add pay and stimulate the Lewis Shale	
	OCT - 0 1998	
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	the same was a second of the s	<u> </u>
1. Thereby certify has the toregoing is true and correct Signed	Title Regulatory Assistant	Date 9-28-98
(This space for Federal or State office use)		PATER TOO STORE
Approved by	Title	41.4:EPTED FOR RECORD
Conditions of approval, if any:		Date
		OCT 0 5 1998

1.tle 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 is representations as to any matter within its jurisdiction.







## San Juan 29-6 Unit #72A SF-080377; Unit F, 1450' FNL & 1620' FWL Section 22, T29N, R6W; Rio Arriba County, NM

## Procedure used isolate and squeeze leak in casing and then perf & stimulate the Lewis Shale interval in the existing Mesaverde formation.

9/15/98

MIRU Big A #40. Killed well. ND WH & NU BOPs. COOH w/2-3/8" tubing. Clean out to PBTD. COOH. RIH w/4  $\frac{1}{2}$ " CIBP & set @ 4950'. Load hole & pressure test CIBP & casing to 500 psi bled back to 0. Established injection rate @ 1 bpm @ 500 psi. COOH. GIH & ran GR/CCL/CBL log from 4954' to 3510' (liner top) good bond from 4950 to 3820'. Logged under 250 psi from 3510 to surface. TOC – 2200'. Notified BLM & OCD of squeeze. GIH w/4-1/2" packer & set @ 4940'. PT and moved up hole to isolate leak. Found leak from 3752' – 3814'. RIH w/4-1/2" cement retainer & set @ 3630'.

RU BJ to squeeze. Pumped 50 sx Cl H cement w/3% CaCl2 mixed @ 16 ppg yield 1.18 ft3/sx (76 cf). Displaced w/8 bbls water. Pressure increased to 2000 + psi. Bleed down & sting out of retainer. Reversed out 6 bbls (28 cf) w/30 bbls water. Job complete @ 1743 hrs 9/16/98. COOH. WOC.

RIH w/3-7/8" bit & scraper & tagged retainer @ 3630'. Drilled out cement retainer & 170' good hard cement from 3630' – 3800'. PT casing and squeeze to 500 psi – 30 min. Good test. GIH & tagged CIBP @ 4950'. Circulated hole. COOH. RU to perf. Perf'd Lewis Shale interval @ 1 spf (.38" holes) 120 degree phased holes as follows: (Huerfanito Bentonite not present, equivalent stratigraphic depth is 4027').

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      4740' - 4743' (3');
      4677' - 4680' (3');
      4600' - 4603' (3');
      4526' - 4529' (3');

      4479' - 4482' (3');
      4422' - 4425' (3');
      4358' - 4361' (3');
      4314' - 4317' (3');

      4282' - 4285' (3');
      4214' - 4217' (3')
      4084' - 4087' (3');
      4049' - 4052' (3');
      36 Holes Total
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GIH w/4 ½" FBP & set @ 3877'. PT casing annulus & packer to 500 psi – OK. RU to Acidize Lewis Shale interval. Pumped 1000 gal of 15% HCL acid & ballsealers. Knocked balls off & COOH w/packer.

RIH & set 4 ½" packer @ 3541'. PT casing annulus & packer to 500 psi -OK. RU to frac Lewis Shale. Pumped 61,703 gal 60 Quality N2 30# X-link Borate foam w/198,820 # 20/40 Brady sand. Tagged with Iridium 192 radioactive tracer @ .447 mc/1000 total 89 millicuries. Total N2 – 880,000 scf, Total fluid to recover 743 bbls. ATP – 2400 psi; 45 bpm ATR. ISDP – 550 psi. Flowed back immediately on ¼" chokes for approx. 41 hours.

Released packer and COOH. RIH & cleaned out to CIBP @ 4950'. Drilled out CIBP and circulated hole & chased CIBP to 5606'. COOH. RIH w/2-3/8" 4.7# tubing and landed tubing @ 5500' with "F" nipple set @ 5467'. ND BOPs & NU WH. Pumped off exp. check. RD & released rig 9/25/98. Turned well over to production department.