Ell S. Flest Artesia, NM 88210 <u>District III</u> - (505) 334-6178 1000 Rio Brazos Road Aztec, NM 87410 District IV - (505) \$27-7131 2040 S. Pacheco Santa Fc, NM 87505

Energy Minerals and Natural Resources Department

Oil Conservation Division

2040 South Pacheco Street Santa Fe, New Mexico 87505 (505) 827-7131

SUBMIT ORIGINA **PLUS 2 COPIE** TO APPROPRIAT **DISTRICT OFFIC**

APPLICATION FOR WELL WORKOVER PROJE

I. Operator and Well					100	2	<u> </u>			
Operator name & address OGRID Number										
	-	Petroleu	m Co.				10		0176	54.1
	25 Hwy						•	10/ 0/ 1	01 67 h	
Far	Farmington, NM 87401 Contact Party Phone 505 500 3454					DE E00 2/5/				
Pa	tsy Cl	ugston) 50	05-599-3454
Propert							Well Numb	ber	API Numb	
		29-5 Uni		Foot Power The	North/South Line	8 30-039-07490 rth/South Line Feet From The East/West Line County				
UL	Section	Townshi p 29N	Range	Feet From The 1650 *	south	1	550			County Rio Arriba
1	35	·	5W	1630	South	10		Wes		KIO ALLIDA
11.	Worko									
		ommenced:	Previous	Producing Pool(s) ((Prior to Workover):					
11/1,	orkover Co	moleted:								
11/13		inpieteu.	7	Slanco Mesave	erde					
III.		a descripti		Workover Proc		ed to ir	rcrease pr	oducti	on.	
IV.										ior to the workover and at
	least th	ree month	s of prod	duction following	the workover re	flectin	g a positiv	e prod	uction inc	rease.
V.	AFFID		·	•						
	State c	f New Me	xico)						
) ss.						
		of <u>San</u>)						
		y Clugst	on		sworn, upon oat			.		1 3 6 7 - 11
	1.	I am the	Operato	r, or authorized r	epresentative of	the U	perator, o	t the a	pove-rete	renced vveil.
	2.	I have ma Well.	ade, or c	aused to be mad	de, a diligent sea	arch of	rtne produ	iction i	ecoras re	asonably available for this
	3.		et of my	knowledge this	annlication and	the da	ata used to	o prepa	are the pr	oduction curve and/or table
	J.			complete and acc		u.o u.		P . O P.	u.o p.	
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Signa	$ture \mathcal{T}$	alan	·Clu	cket	Title Sr. Reg	gulat	ory Cle	rk	Da	te
SUBS	CRIBED	AND SXX	RN TO	before me this _	22 day of _	June		2000	_ -	
		V			. Hil	lia.	$\rightarrow $		ta	
					<u>un</u>	<u> </u>	<u>u cou</u>	nen		
		_	int	2/2003	Notary P	ublic				HICIAL SEAL LIAN ARMENTA
THE PERIOD OF THE MEANU					UBLIC - NEW MEXICO					
L									A CUMPIC	lied with Secretary of State
FOR OIL CONSERVATION DIVISION USE ONLY:										
VI. CERTIFICATION OF APPROVAL:										
This Application is hereby approved and the above-referenced well is designated a Well Workover Project and the										
Division becally verifies the data shows a positive production increase. By copy hereof, the Division notifies the										
	Secretary of the Taxation and Revenue Department of this Approval and certifies that this Well Workover Project was									
	compl	eted on	11/	12.55	<u> -</u> •					
Clear	Signature District Supervisor OCD District Date									
Signati	ure District	aupervisor	~		C C C C C C C C C C C C C C C C C C C		$\overline{}$		~ <i> </i>	
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·					0		<u> </u>			
VII	DATE	OF NOTIFIC	CATION	TO THE SECRET	ARY OF THE TAX	(ATIO)	N AND REV	ENUE	DEPARTA	MENT:

Form 3160-5 (June 1990)

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

FORM	APPRO	OVE	D
Budget Bur	eeu No.	lO	04-0135
Expires;	March	31,	1993

5. Lease Designation and Serial No.

SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill or to deepen or reentry to a different reservoir. Lise "APPLICATION FOR PERMIT - " for such proposals SUBMIT IN TRIPLICATE 7. If Unit or CA, Agreement Designation San Juan 29-5 Unit 8. Well Name and No. SJ 29-5 Unit #8 Phillips Petroleum Company 9. API Well No.	_ • • • •	_	SF-078917
SUBMIT IN TRIPLICATE SUBMIT IN TRIPLICATE San_Juan 29-5 Unit. 1. Wall Name and No. 1. Wall Name and Name			
SUBMIT IN TRIPLICATE Type of Well San Juan 29-5 Unit #8			
SUBMIT IN TRIPLICATE San_Juan 29-5 Unit 1. Well Name and No.	LISE "APPLICATION FOR	PERMIT - " for such proposals	7. If Unit or CA. Agreement Designation
2. Name of Operator	SUBMIT	IN TRIPLICATE	
Name of Operators St. Well Name and No.	1. Type of Well		
2. Name of Operator Phillips Petroleum Company 3. Address not Telephone No. 5525 Highway 64, NBU 3004, Farminaton, NM 87401 505-599-3454 10. Field and Pool, or experience Area 1650: FSL & 1650: FSL & 1650: FML Section 35, T29N, RgW 2. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA 17PE OF SUBMISSION 17PE OF SUBMISSION 17PE OF ACTION Non-Routine Factoring 1 Subsequent Report 1 Final Abandoument Notice 1 Recompletion Non-Routine Factoring Non-Routine	Oil X Gas Other		8. Well Name and No.
Phillips Petroleum Company 3. Addition and Telephone No. 5525 Highway 64, NBU 3004, Farminaton, NH 87401 5525 Highway 64, NBU 3004, Farminaton, NH 87401 10. Fald and Pool, or explorators Area 11. Section 35, T29N, RgN 12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA TYPE OF SUBMISSION TYPE OF SUBMISSION TYPE OF ACTION Notice of fatent Recompletion Non-Rootine Frectaring Wester Study Of Addition of State of Section and managed and from evertach depths for all multiple and cores; personant to this work, a section and managed and from evertach depths for all multiple and cores; personant to this work, a section of the	2. Name of Operator		SJ 29-5 Unit #8
10. Field and Pool, or explositors Area 11. County or Pinish, State 11.	Phillips Petroleum Company		
Blanco Mesaverde 1650 FSL & 1650 FNL Section 35. T29N, RgW 12 CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA TYPE OF SUBMISSION TYPE OF SUBMISSION Notice of States Recomplision Notice of States Recomplision Note: Advandomment Notice Abandomment Notice Altering Cising Other Add pay and stimulate Conversion to ligation Describe Proposed or Completed Operations (Clirate state all pertinent datas), and are performent with this work. 17 See attached for the procedure used to add pay and stimulate the Lewis Shale interval within the existing Mesaverde formation. 14. I barely burg foregoing for flat correct Signat Trick Recomplished State office uses Non-Recomplished State office uses Trick Recomplished to say department of agency of the United States say falls, Ections or forested as Recomplished States of Agency of the United States say falls, Ections or forested as Recomplished States of	3. Address and Telephone No.	505 500 0454	30-039-07490
1650' FSL & 1650' FML Section 35, T29N, RgW 11. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA TYPE OF SUBMISSION TYPE OF SUBMISSION TYPE OF SUBMISSION TYPE OF ACTION Notice of Intent Recompletion Recompletion Recompletion Recompletion Recompletion Non-Routine Fracturing Water Shale-Off Conversion to Injection Dispose Water Non-Routine Fracturing Water Shale-Off Conversion to Injection Dispose Water Disposed work. If well is directionally disposed to add pay and stimulate Describle Proposed or Completed Operations: (Clearle mate all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally disposed by a start of the work.) See attached for the procedure used to add pay and stimulate the Lewis Shale interval within the existing Mesaverde formation. 14. 1 horeby-bowing Justing Europeing (options) Take Regulatory Assistant Date Type Office (only of the proposed work in the indication) Take IS U.S.C. Section 1001, make it as trian for any person knowingly and willfully to make to any department or expect of the United States my follow, fictions or financiation. The IS U.S.C. Section 1001, make it as trian for any person knowingly and willfully to make to any department or expects of the United States my follow, fictions or financiation. The IS U.S.C. Section 1001, make it is indicated in the interfection.			10. Field and Pool, or exploratory Area
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TYPE OF SUBMISSION TYPE OF ACTION Abandonment Recompletion Recomplet			Rio Arriba, NM
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Notice of Intent			
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Subsequent Report	Notice of Intent		
Casing Repair Water Shul-Off Conversion to Injection Dispose Water Chose: Repost metals of multiple completion to Injection Conversion t	X Subsequent Report	l Ö	Non-Routine Fracturing
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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 drift for all markers and zones pertinent to this work.)* See attached for the procedure used to add pay and stimulate the Lewis Shale interval within the existing Mesaverde formation. 14. I horoby bowing though foregoing a tripe file correct Signed Tribe Regulatory Assistant Date Tribe Regulatory Assistant Date Tribe Dete Tribe L.S. Section 1001, makes it a crisus for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudablent accompany to make to any department or agency of the United States any false, fictitious or fraudablent accompany to make to any department or agency of the United States any false, fictitious or fraudablent accompany to make to any department or agency of the United States any false, fictitious or fraudablent accompany to the process and the part agency of the United States any false, fictitious or fraudablent accompany.		X Other Add pay and stimula	Dispose Water (Note: Report results of multiple completion on We
14. I hereby voting that the foregoing is true fid correct Signed Title Regulatory Assistant Date (This space for Federallo State office use) Approved by		I to add pay and stimulate the Lewis Shale	-3
(This space for Federal of State office use) Approved by			19 FM 1: 5
or representations as to any matter within its jurisdiction.	(This space for Federallo State office use) Approved by Conditions of approval, if any:	Title	Date ————————————————————————————————————
	Title 18 U.S.C. Section 1001, makes it a crime for any person representations as to any matter within its surindiction.	on knowingly and willfully to make to any department or agency of the	

San Juan 29-5 Unit #8 SF-078917; 1650' FSL & 1650' FWL Section 35, T29N, R5W; Rio Arriba County, NM

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

11/1/99

MIRU Key Energy #40. Kill well w/2% KCL. ND WH & NU BOPS. PT OK. COOH w/2-3/8" tubing. RIH w/5-1/2" scraper & tagged fill @ 6783'. POOH. RIH w/5-1/2" N-1 CIBP & set @ 6180'. Load hole w/90 bbls 2% KCL water and PT plug, casing and rams to 550 psi for 30 minutes - GOOD test. RU Blue Jet & ran GR/CCL/CBL from 6180' to surface. TOC @ 5340'.

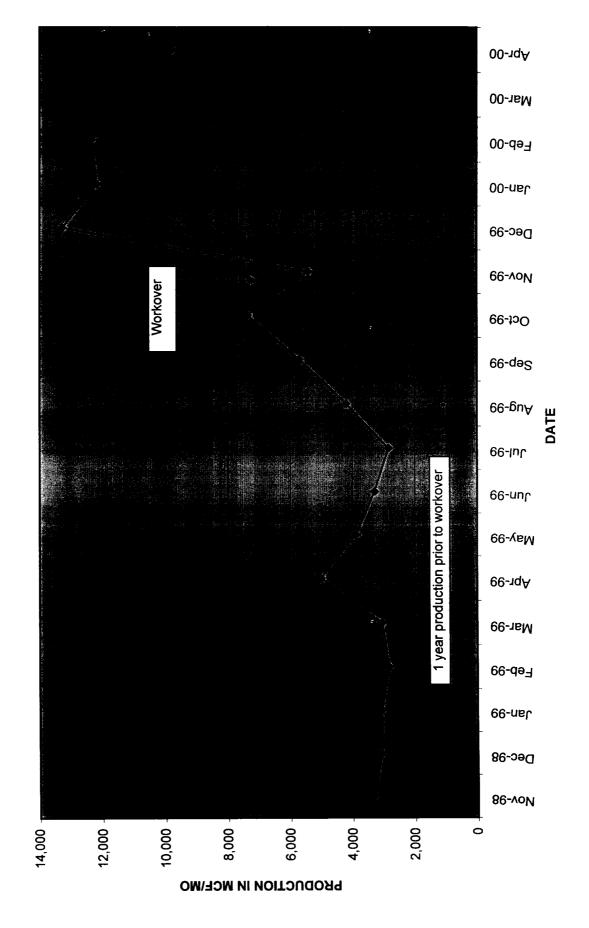
RU BJ to do cement squeeze. RIH & set 5-1/2" cement retainer @ 4935'. PT - OK. Established injection rate. Pumped 30 sx Cl H cement w/2% CaCl2 @ 15.8 ppg. Stung out of retainer w/350 psi of squeeze pressure. Reversed out 1 bbl good cement to pit. POOH. WOC.

RIH 4-3/4" bit & tagged up @ 4935'. Drilled out cement retainer @ 4935'. Drilled out 65' of hard cement below retainer to 5000'. Circl hole clean. PT casing and squeeze holes & rams to 1000 psi - 20 minutes. Good test. POOH w/bit.

RU Blue Jet & perforated Lewis Shale @ 1 spf .38" holes as follows:

5762' - 5764' (3');	5687' - 5689' (3');	5670' - 5672' (3');	5654' - 5656' (3');
5611' - 5613' (3'):	5570' - 5572' (3');	5554' - 5556' (3');	5433' - 5435' (3');
5422' - 5424' (3');	5406' - 5408' (3');	5210' - 5212' (3');	5178' - 5180' (3'); Total 36 holes

RIH w/5-1/2" packer & set @ 5069'. RU BJ to acidize. Pumped 1000 gal 15% HCL & ballsealers. Unset packer & knocked off balls. POOH w/packer. RU to frac. Set packer @ 4966'. PT OK. RU BJ to frac. Pumped 70,178 gal 60 Quality N2 consisting of 30,828 gal of 30# X-link gel & 872,000 scf N2 gas. Pumped a 4200 gal foam pad followed by 65,978 gal of foam carrying 211,280 # of 20/40 Brady sand. ATR - 32 bpm. ATP - 3450 psi. ISDP - 200 psi. Flowed back on 1/4" choke for approx. 13 hrs, then opened up on 2" chokes. SI well to build up. Ran a sinker bar on sand line & tagged @ 3200'. Surged bridge free & ran SL to 4700'. Swabbed well & flowed back 37 more hours. RD flowback equipment. Unset packer @ 4966'. COOH. RIH w/4-3/4" but * tagged fill @ 5880'. Cleaned out sand to 6180'. Drilled out CIBP @ 6180'. Continue cleaning out to 6788 (PBTD). COOH. RIH w/2-3/8" tubing and set @ 6711' with "F" nipple set @ 6679'. ND BOPS & NU WH. PT- OK. Pumped off check & RD & released rig 11/13/99. Turned well over to production department.



API#	29-5 #8	mcf/Month	
30-039-07490	Nov-98	3,317	
	Dec-98	3,070	
	Jan-99	3,062	
	Feb-99	2,829	
	Mar-99	3,050	
	Apr-99	5,008	
	May-99	3,874	
	Jun-99	3,283	
	Jul-99	2,838	
	Aug-99	4,196	
	Sep-99	5,718	
	Oct-99	7,372	
	Nov-99	5,427	
	Dec-99	13,277	
	Jan-00	12,169	
	Feb-00	12,349	
	Mar-00	10,147	
	Apr-00	9,792	