Hobbs, NM 88241-1980 Distret [] - (505) 748-1283 811 S. First Artesia, NM 88210 District III - (505) 334-6178 1000 Rio Brazos Road Aztec, NM 87410 District IV - (505) 827-7131

11011 ITIONIOO Energy Minerals and Natural Resources Department

Oil Conservation Division

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

JUL - 1 1999

SUBMIT ORIGINAL PLUS 2 COPIES TO APPROPRIATE DISTRICT OFFICE

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Revised 06/99

APPLICATION FOR WELL WORKOVER PROJECTION CONS. DIV.

	Onorot	or and Ma	.u				O Li		67. 3	
Operato	or name & a	or and We	:II					191	OGRID N	umber
- •	Phillips Petroleum Company									
552	5525 Huny 64							_		
Far	Farmington, NM 87401 U17634							1		
	Contact Party Phone							20. 2454		
Pat	Patsy Clugston 505–599–3454 Property Name Well Number API Number									
l .	ny Juan 29–6 Unit							30-039-21415		
UL	Section	Township	Range	Feet From The	North/South Line	Feet	From The	East/	Vest Line	County
J	1	29N	6W	1470	South	8	85	Ea	st	Rio Arriba
11.	II. Workover									
Date Workover Commenced: Previous Producing Pool(s) (Prior to Workover):										
	23/98									
	orkover Co	mpleted:	Plane	co Mesaverde						
	29/98			e Workover Proc	oduros performe	ad to i	ncrease nr	oductio	<u> </u>	*****
III.	Attach	a descripu o producti	on dodin	e vvoikovei Fioc	charies perioring	twelv	e months	of proc	uction or	ior to the workover and at
IV.	loact th	a producu	on decili	duction following	the workover re	flectin	a a nositiv	e prodi	uction inc	rease.
V.	AFFIDA		is or proc	aucuon ionowing	ale workover re		g a poolar	o prod		
_ V.		f New								
	Otale 0	' New -	Mex1co) ss.						
	County	of _San_	Juan)						
	Pat	tor Clus	ston	being first duly	swom, upon oat	n state	es:			
	1.	I am the	Operator	r or authorized r	epresentative of	the O	perator, of	the at	ove-refe	renced Well.
	2.	I have ma	ade, or c	aused to be made	de, a diligent sea	irch of	the produ	ction re	ecords re	asonably available for this
		Well								
	3.	To the be	est of my	knowledge, this	application and	the da	ata used to	ргера	re the pro	oduction curve and/or table
	_	for this V	/ell are c	complete and acc	curate.					
	()	()	Ω	0 -						
Signa	ture	asse	<u> </u>		Title Regula			nt	Da	te <u>7/1/99 </u>
SŬBS	CRIBED	AND SW	ORN TO	before me this _	lst day of _	July		1999	<u></u> ;	
		•		•	(/	1		>	4.	.)
						an	uj 7	<u> </u>	reac	
				0 5 /	Notary P	ublic				
My Co	ommissio	n expires:	10-	-8-2001			V			<i>:</i>
500.6			DB 4010	N HOE ONLY:						
FOR OIL CONSERVATION DIVISION USE ONLY:										
VI.	VI. CERTIFICATION OF APPROVAL:									
	This Application is hereby approved and the above-referenced well is designated a Well Workover Project and the									
	Division hereby 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									
completed on $\frac{7/29}{}$, $\frac{9}{}$.										
Signate	ing District S	unenisor	<u> </u>		OCD Dist	ict		Date	<u> </u>	•
Jayria (ng projekt s				333 313	5				16199
/	 1111	1/	Die	ueti	1	\geq			(//	0111
The state of the s										
ે 1ી.	'II. DATE OF NOTIFICATION TO THE SECRETARY OF THE TAXATION AND REVENUE DEPARTMENT:									

Form 3160-5	UNIT DEPARTMEN	ED STATES FOF THE INTERIOR	FORM APPROVED Budget Bureau No. 1004-0135 Expires: March 31, 1993
(Junc 1990)	BUREAU OF L	5. Lease Designation and Serial No.	
			NM-012698
	m for proposals to drill	or to deepen or reentry to a different reservoir.	6. If Indian, Allottee or Tribe Name
	se "APPLICATION FOR	PERMIT - " for such proposals -	7. If Unit or CA, Agreement Designation
	SUBMIT	IN TRIPLICATE	
1. Tour of Well			San Juan 29-6 Unit
1. Type of Well Oil X Gas Well Well	Other		8. Well Name and No.
2. Name of Operator	•		SJ 29-6 Unit #17A
Phillips Petrol			9. API Well No.
3. Address and Telephone N		on. NM 87401 505-599-3454	30-039-21415
5525 Highway 64	, NBU 3004, Farmingt		10. Field and Pool, or exploratory Area
	e, Sec., T., R., M., or Survey De	eripan)	Blanco Mesaverde
Unit J, 1470' F Section 1. T29N			11. County or Parish, State
Section 1, 123N	I, NOW		Rio Arriba, NM
12. CHECK A	APPROPRIATE BOX(s	TO INDICATE NATURE OF NOTICE, REPO	RT, OR OTHER DATA
	UBMISSION	TYPE OF ACT	
		Abandonment	Change of Plans
Notice of	or twent	Recompletion	New Construction
X Subsequ	ient Report	Plugging Back	Non-Routine Fracturing
	· · · · · · · · · · · · · · · · · · ·	Casing Repair	Water Shut-Off
Final A	bandonment Notice	Altering Casing	Conversion to Injection
		X other Add pay & stimula	te Dispose Water
		W Chief	(Note: Report results of nattiple completion on Wel Completion or Recompletion Report and Log form.)
give subsurface loc	r the procedure used	pertinent details, and give pertinent dates, including estimated date of cal depths for all markers and zones pertinent to this work.)* to add pay and stimulate the Lewis Shale	starting any proposed work. If well is directionally dril
			en e
			•
			:

14. I hereby certify that the foregoing is procedured the Correct Signed Control of State office use)

Title Regulatory Assistant Title Regulatory Assistant

Title DatAUG 14 1998

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 of Translation of Translation as 10 any matter within its jurisdiction.

San Juan 29-6 Unit #17A NM-012698; Unit J, 1470' FSL & 885' FEL Section 1, T29N, R6W; Rio Arriba County, NM

Procedure used to perf & stimulate the Lewis Shale interval in the existing Mesaverde formation.

7/23/98

MIRU Big A #40. Killed well. ND WH & NU BOPs. Cleaned out fill from 5720' to 5740' (PBTD). COOH w/2-3/8" tubing. RIH w/4 1/2" CIBP & set @ 5200'. Pressure test CIBP, casing & rams to 500 psi - 30 min. Held OK. RIH to log well. TOC 1070'. RIH & perf'd Lewis Shale interval @ 1 spf (.38" holes) 120 degree phased holes as follows: (Huerfanito Bentonite not present, equivalent stratigraphic depth is 3780').

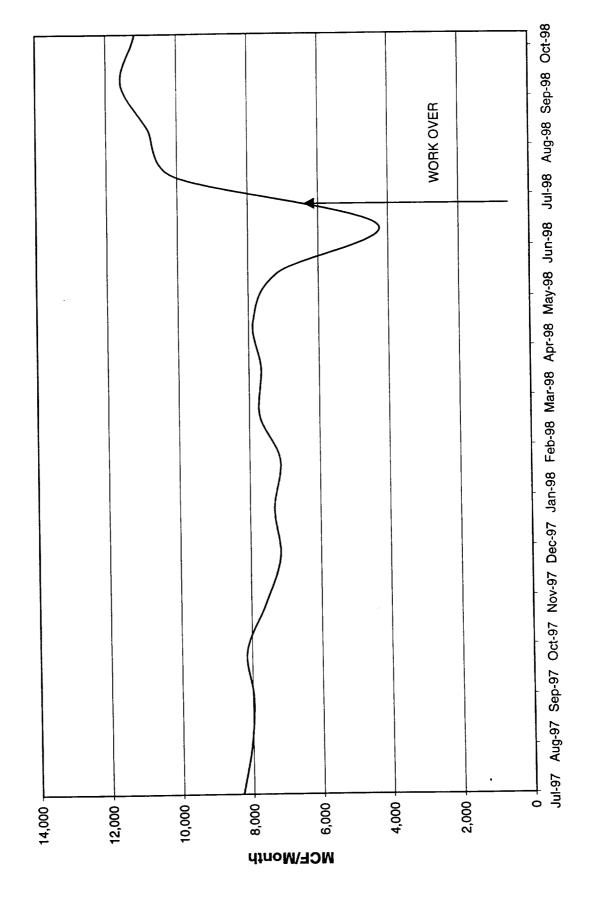
4711' - 4714' (3');	4674' - 4677' (3');	4656' - 4659' (3');	4637' – 4640' (3');
4616' – 4619' (3');	4595' – 4598' (3');	4529' - 4532' (3');	4487' – 4490' (3');
4470' – 4473' (3'):	4463' – 4466' (3');	4456' – 4459 ' (3') ;	4234' - 4237' (3'); 36 Holes Total

GIH w/4 1/2" packer & set @ 4006'. 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 1/2" packer @ 3601'. PT casing annulus to 500 psi -OK. RU to frac Lewis Shale. Pumped 21,756 GAL 60 Quality N2 30# X-link Borate foam with 86,000 # 20/40 Brady sand. Total N2 - 566,000 scf, total fluid to recover 425 bbls. AVT 2600 psi and ATR - 45 bpm. ISIP 638 psi. Flowed back on 2 1/2" choke for approximately 34 hrs.

Released packer and COOH. RIH & cleaned out to CIBP @ 5200'. Chased CIBP to (PBTD). RIH w/2-3/8" 4.7# tubing and cleaned out to new PBTD (5736' - has 4' fill). Land tubing @ 5689' with "F" nipple set @ 5655'. ND BOPs & NU WH. Pumped off exp. check. RD & released rig 7/29/98. Turned well over to production department.

29-6 #17a Workover Production Increase



API#	29-6 # 17a	MCF/Month
21415	Aug-97	8,048
	Sep-97	7,974
	Oct-97	8,143
	Nov-97	7,583
	Dec-97	7,161
	Jan-98	7,311
	Feb-98	7,137
	Mar-98	7,707
	Apr-98	7,657
	May-98	7,874
	Jun-98	7,159
	Jul-98	4,297
	Aug-98	10,068
	Sep-98	10,814
	Oct-98	11,583

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