Habba, NM 88241-1980 District [] - (505) 748-1283 811 S. First Artesia, NM 88210 District III - (505) 334-6178 1000 Rio Brazos Road Aztec, NM 87410 District IV - (505) \$27-7131

A NOW AVAILABLE 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

rom C-14

Revised 06/9

APPLICATION FOR WELL WORKOVER PROJECT

				<u>w</u>	ELL WORKOVE	R PRO	DJECT				
1.	I. Operator and Well										
Operator name & address								OGRID Number			
Ph:	Phillips Petroleum Company										
	25 Hwy.			7			٠.			and digital and the same of the street of the state of the same of	
Fai	minato:	n. NM 8	7401						017654		
Contac	t Party						·· — — —		Phone		
Pat	sy Clu	ston							505-59	99-3454	
Property Name Well Number API Number											
Sar	San Juan 29-5 Unit 7							39 -0 7677			
UL	Section	Township	Range	Feet From The	North/South Line		rom The	4	est Line	County	
<u>A</u>	1.7	29N	<u>5w</u>	790	North	79	90	<u>Ea</u>	<u>st</u>	Rio Arriba	
II.	Worko								<u></u>		
l .	orkover Co	mmenced:	Previous	Producing Pool(s) (Prior to Workover):						
	5/98										
	orkover Co	триетеа:	-,								
-,, 8/ 3	8/98			nco Mesaverde		- I A - I					
	Attach	a descripu	on or the	Workover Proc	edures perrorme	ed to in	crease p	roduction	ì. 		
IV.	Auacn	a producuo	on deciir	ie curve or table	snowing at least	tweive	e montins	or produ	ction pr	ior to the workover and at	
V			s or prod	duction following	the workover re	necung	a positiv	e produc	ction inc	rease.	
<u>V.</u>	AFFID/								····		
	State o	f_New M	exico_)							
) ss.							
	-	of <u>San</u>)							
		sy Clugs			sworn, upon oath	state:	s:				
	1.			r, or authorized re							
	2.	I have ma	ade, or c	aused to be mad	le, a diligent sea	rch of	the produ	iction rec	ords rea	asonably available for this	
		Well.								•	
	3.	To the be	st of my	knowledge, this	application and	the da	ta used to	prepare	the pro	eduction curve and/or table	
		for this W	'ell are c	omplete and acc	curate.						
		().	00	tar							
Signat	ure	alses	Clus	itan	Title Regulat	orv A	ssistar	nt.	Dat	e 7/1/99	
SÜBS	CRIBED	AND SWC	RN TO	before me this _	1st day of	July	. 1	999	_		
				_		1			r		
					Ma	Mu	/ ()	De	our		
				2001	Notary Pu	ıblic	11	10.0.	orgo	New Mexico	
My Co	mmissior	n expires: _	10-	·8 - 1997 .	nt	1		acc		77200	
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		~				====					
	IL CONSE	RVATION	DIVISION	USE ONLY:							
VI.	CERTIF	FICATION	OF APP	PROVAL:							
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 $-\frac{3}{2}$										
· · · · · · · · · · · · · · · · · · ·											
Signatu	e District So	upervisor _	7		OCD Distric	≭		Date		· · · · · · · · · · · · · · · · · · ·	
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	me	>/ L	reh	•		>			1/16	クノノノ	
7											
VII.	DATE O	F NOTIFIC	ATION TO	THE SECRETAL	RY OF THE TAXA	TION A	ND REVE	NI IE DEC	DARTME	AIT.	

Form 3160-3

TINI I'ED STATES DEPARTMENT OF THE INTERIOR

PORM APPROVED							
Budget Bureau No.	1004-013						
Dunlauer March 9	1 1002						

	Expires:	March	31,	1993	
_					•

(Juce 1990) **BUREAU OF LAND MANAGEMENT** SF-078277 SUNDRY NOTICES AND REPORTS ON WELLS 6. If Indian, Allottee or Tribe Name 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 7. If Unit or CA, Agreement Designation SUBMIT IN TRIPLICATE San Juan 29-5 Unit Type of Well 8. Well Name and No. X Gas 2. Name of Operator SJ 29-5 Unit #7 Phillips Petroleum Company 9. API Well No. 3. Address and Telephone No. 30-039-07677 505-599-3454 5525 Highway 64, NBU 3004, Farmington, NM 87401 10. Field and Pool, or exploratory Area 4. Location of Well (Footage, Soc., T., R., M., or Survey Description) Blanco Mesaverde Unit A. 790' FN1 & 790' FEL 11. County or Parish, State Section 7, T29N, R5W Rio Arriba, CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA TYPE OF ACTION TYPE OF SUBMISSION Change of Plans Notice of Intent Ahandonment **New Construction** Recompletion Plugging Back Non-Routine Fracturing Casing Repair Water Shut-Off Final Abandonment Notice Altering Casing Conversion to Injection Add pay and stimulate Dispose Water Completion or Recompletion Report and Log form.) cribe 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.)* See attached for the procedure used to add pay and stimulate the Lewis Shale interval in the existing Mesaverde formation. 14. I hereby certify that the foregoing is true and correct Regulatory Assistant (This space for Federal or State office use) Approved by Conditions of approval, if any: SEP 01 1998 Tide 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or ag

San Juan 29-5 Unit #7 SF-078277; Unit A, 790' FNL, & 990' FEL Section 7, T29N, R5W; Rio Arriba County, NM

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

8/5/98

MIRU Big A #29. Killed well. ND WH & NU BOPs. RIH w/6-1/4" bit and tagged fill @ 5348'. Cleaned out and then cleaned out open hole from 5348' – 5595' (147'). Set 7" CIBP @ 5300'. Ran cased hole GR, CCL & CBL log from 5300' to surface. TOC 4300'. Perf'd 4 (.38") squeeze holes @ 3775' and 4 more squeeze holes @ 3745'. RIH w/7" cement retainer & set @ 3693'. RU BJ to squeeze. Mixed & pumped 100 sx Cl H cement w/2% CaCl₂ @ 115.2 ppg – 15.6 ppg @ 2 ½ bpm @ 1200 psi. Displaced cement with H₂O. Stung out & reversed out 1 bbl of cement to pit. PT casing to 500 psi, wouldn't hold. RIH w/7" FBP to locate hole in 7" casing. Isolated hole between 2373' – 2401'.

RU BJ & established injection rate. POOH w/FBP. Set retainer @ 2346'. RU BJ to cement w/50 sx Cl H w/2% CaCl₂ mixed @ 16.0 ppg. Spotted above retainer. Pumped up to 2000' & reversed out tubing. Brought back ¼ bbl cement. Squeezed 25 sx into formation. PT cement squeeze to 1000 psi – held OK.

RIH w/bit & drilled 60' of cement & retainer @ 2348'. PT casing to 550 psi – held OK. Drilled on bottom cement retainer @ 3693'. Drilled out hard cement from 3695' to 3755' (60'). PT casing to 500 psi, bled down to 200 psi. RIH w/bit & scraper to 5300'. RIH & set 7" FBP @ 3572'. RU BJ to recement under packer. Pumped 100 sx Cl H w/2% CaCl₂. SI w/550 psi on squeeze. PT squeeze to 1000 psi – held OK. COOH w/FBP. RIH & tagged cement @ 3658'. Drilled out cement from 3658' – 3788'. Circ. PT casing to 500 psi – OK.

RU Blue Jet & perf'd Lewis Shale interval @ 1 spf (.38" hole) 120 degree phased holes as follows: (Huerfanito Bentonite not present, equivalent stratigraphic depth is 3850').

```
4768' - 4771'(3'); 4756' - 4759' (3'); 4702' - 4705' (3'); 4664' - 4667' (3'); 4656' - 4659' (3'); 4637' - 4640' (3'); 4594' - 4597' (3'); 4561' - 4564' (3'); 4523' - 4526' (3'); 4517' - 4520' (3'); 4506' - 4509' (3'); 4430' - 4433' (3'); 36 Holes Total
```

RIH & set packer @ 4244'. PT – OK. RU to adicize; Pumped 1000 gal 15% HCL w/ballsealers. Knocked balls off & COOH w/packer. RIH & set packer @ 4012'. PT – OK. RU to frac. Pumped 70,500 gal of 60 Quality N₂ foam w/29,904 gal of 30# link gel & 900,000 scf N₂ gas. Pumped 202,904 # of 20/40 Brady sand. ATP – 2800 psi & ATR – 45 bpm. ISIP – 750 psi. Flowed back immediately on ½" choke. Flowed back for 42 hours.

RIH & cleaned out fill from 5066' - 5300'. Drilled out CIBP @ 5300'. Circulated bottoms up. RIH w/2-3/8" 4.7# tubing and landed tubing @ 5326' with "F" nipple @ 5295'. ND BOPs & NU WH. Pumped off exp. check. RD & released rig 8/18/98. Turned well over to production department.

Sep-97 Oct-97 Nov-97 Dec-97 Jan-98 Feb-98 Mar-98 Apr-98 May-98 Jun-98 Jul-98 Aug-98 Sep-98 Oct-98 WORK OVER 29-5 #7 Workover Production Increase 0 Aug-97 MCF/Month 5,000 -1,000 3,000 2,000 000'9 7,000 8,000

Page: 1 Document Name: TCPIP_1

PARPI - WELLZONE PRODUCTION BROWSE Date: 7/01/99 M2Y67-01 MONTHLY TOTALS User: HEBACA

Wellzone F0176 01 Yr: 1998 Mth: 08 Property: 650111 SAN JUAN 29-5 MESA V

creen: 1 (1-Prod, 2-Inj, 3-Both) Well No: Type: T (T-Total, D-Daily Avg) Field: Well No: 000007

0707 BLANCO Period: M (M-Monthly, Y-Yearly, C-Cumm) Reserv: 20002 MESAVERDE

ADJ		PRODUCED		DAYS	WELL -
FLG DATE	OIL (BBL)	GAS (MCF)	WATER (BBL)	PROD	OP ST CL TY
* 1998-08	0.00	2,381	40	17.00	17 11 03 2
* 1998-09	0.00	4,855	42	30.00	30 11 03 2
* 1998-10	0.00	6,737	55	31.00	31 11 03 2
* 1998-11	0.00	5,022	20	30.00	30 11 03 2
* 1998-12	0.00	2,606	30	31.00	31 11 03 2
1999-01	9.33	4,093	0	25.00	25 11 03 2
* 1999-02	6.99	3,985	35	28.00	28 11 03 2
* 1999-03	0.00	5,265	30	31.00	31 11 03 2
1999-04	0.00	5,037	0	30.00	30 11 03 2
1999-05	0.00	5,128	0	31.00	31 11 03 2

NO MORE DATA AVAILABLE

PF1=Help PF3=End PA1=ICE

PF10=Next Well PF11=Prev Well PF7=Backward PF8=Forward

Date: 07/01/99 Time: 09:11:05 AM

Page: 1 Document Name: TCPIP_1

M2Y67-01 PARPI - WELLZONE PRODUCTION BROWSE Date: MONTHLY TOTALS User:						
	176 01 Yr: 1998			SAN JUAN	1 29-5 MESA V	
	-Prod, 2-Inj, 3-Bot	ch) Well No: g) Field:		BLANCO		
	-Monthly, Y-Yearly,			MESAVERD	n c	
Period: M (M	, i-learly,	, C-Cultur, Reserv.	20002	MESAVERL	,	
ADJ	I	PRODUCED		DAYS	WELL -	
FLG DATE	OIL (BBL)	GAS (MCF) WATER	(BBL)	PROD	OP ST CL TY	
* 1998-08	0.00	2,381	40	17.00	17 11 03 2	
* 1998 -09	0.00	4,855	42	30.00	30 11 03 2	
* 1998-1 0	0.00	6,737	5 5	31.00	31 11 03 2	
* 1998-11	0.00	5,022	20	30.00	30 11 03 2	
* 1998 -12	0.00	2,606	30	31.00	31 11 03 2	
1999-01	9.33	4,093	0	25.00	25 11 03 2	
* 1999- 02	6.99	3,985	35	28.00	28 11 03 2	
* 1999-0 3	0.00	5,265	30	31.00	31 11 03 2	
1999-04	0.00	5,037	0	30.00	30 11 03 2	
1999-05	0.00	5,128	0	31.00	31 11 03 2	

NO MORE DATA AVAILABLE

PA1=ICE PF1=Help PF3=End PF10=Next Well PF7=Backward PF8=Forward PF11=Prev Well

Date: 07/01/99 Time: 09:19:14 AM