District IV - (505) \$27-7131

#### Energy Minerals and Natural Resources Department

Oil Conservation Division

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

## APPLICATION FOR WELL WORKOVER PROJECT

_	SUBMIT ORIGINAL
17 23 24 25 3	PLUS 2 COPIE
My Court	TO APPROPRIAT
Br. V	DISTRICT OFFIC:
EB 2000	(3)

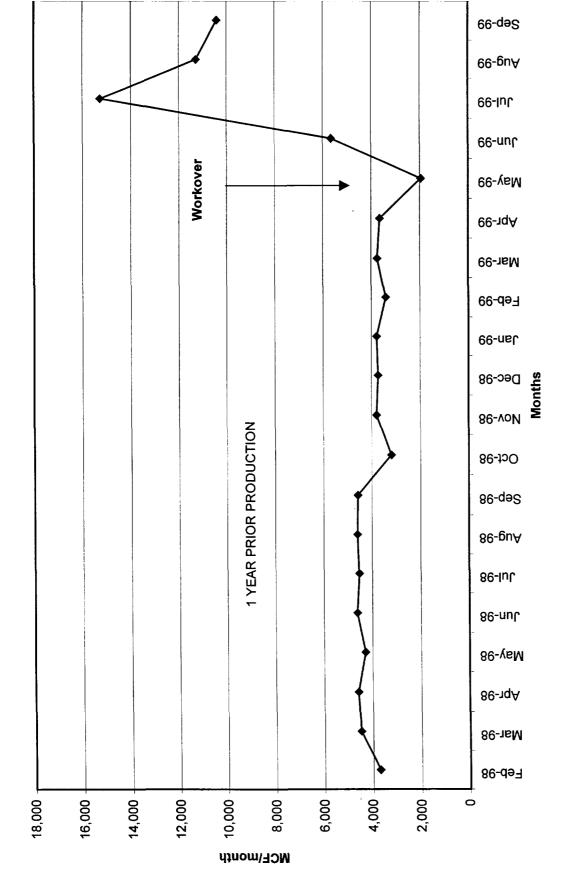
Revised 06/9

Operator and Well Operator and & address Phillips Petroleum Company 5525 Hwy. 64 Farmington, NM 87401  Contact Party Patsy Clugston Property Name San Juan 29-6 Unit Section Township Range 900 Pervious Production following the workover reflecting a positive production increase.  Well Number 30-39-21226  U. Section Township Range 900 North North Pet From The North/South Line North Pet 1460 East/West Line County Range 1460 Pervious Production following the workover):  6/14/99  Date Workover Completed: 6/21/99  III. Workover Completed: 6/21/99  III. Attach a description of the Workover Procedures performed to increase production.  Attach a production decline curve or table showing at least twelve months of production prior to the workover and at least three months of production following the workover reflecting a positive production increase.  V. AFFIDAVIT:  State of New Mexico  1. I am the Operator, or authorized representative of the Operator, of the above-referenced Well. 2. I have made, or caused to be made, a diligent search of the production records reasonably available for this Well. 3. To the best of my knowledge, this application and the data used to prepare the production curve and/or table for this Well are complete and accurate.  Signature  My Commission expires: 1012 1203	_							E.	OF DIST		
Phillips Petroleum Company 5525 Hay. 64 Farmington, NM 87401  Contact Party Patsy Clugston Property Name San Juan 29-6 Unit U. Section Township Range   Feet From The   North/South Line   Feet From The   1460   Feet From The   1460   Rio Arriba    II. Workover Date Workover Commenced: 6/14/99  Date Workover Commenced: 6/14/99  Blanco Mesaverde  III. Attach a production decline curve or table showing at least twelve months of production prior to the workover and at least three months of production following the workover reflecting a positive production increase.  V. AFFIDAVIT:  State of New Mexico Patsy Clugston   San Juan   Ssc. County of San Juan   Ssc. County of San Juan   Ssc. Limit the Operator, or authorized representative of the Operator, of the above-referenced Well. 1 have made, or caused to be made, a diligent search of the production records reasonably available for this Well. 3. To the best of my knowledge, this application and the data used to prepare the production curve and/or table for this Well are complete and accurate.  Signature Subscribed AND SWORN TO before me this 1/4 day of February 2000  Notary Public Name The North Range 2/14/00  Openous East Well and Patsy 2000  Openous East Well are complete and accurate.  Notary Public Name The North Range 2/14/00  Openous East Range 2/1	l. Onomi			<u> </u>	<del></del>			- KA	ACDID N	umbér V	
Signature   Subscribed and secretary   State of New Mexico   New Mexico   State of New Mexico   State of New Mexico   Subscribed and secretary   Subscribe								4	26 8	and an	
Farmington, NM 87401  Contact Party Patsy Clugston  Property Name San Juan 29-6 Unit  Section Township C 18 29N 66W 900 North Port 1460 North 1		-		eum Cor	npany			Ì	0	1765/	
Contact Party Patsy Clugston  Property Name San Juan 29-6 Unit UL Section Township Range Clugston  Contact Property Name San Juan 29-6 Unit UL Section Township Range GW 900  North North Peet From The 1460  North North Section Township Range County North Rio Arriba  II. Workover  Date Workover Commenced: 6/14/99  Date Workover Completed: 6/21/99  Date Workover Completed: 6/21/99  Date Workover Completed: 6/14/99  Blanco Mesaverde  III. Attach a description of the Workover Procedures performed to increase production.  Attach a production decline curve or table showing at least twelve months of production prior to the workover and at least three months of production increase.  V. AFFIDAVIT:  State of New Mexico  ) ss.  County of San Juan  ) Patsy Clugston  ) being first duly sworm, upon oath states:  1. I am the Operator, or authorized representative of the Operator, of the above-referenced Well.  2. I have made, or caused to be made, a diligent search of the production records reasonably available for this Well.  3. To the best of my knowledge, this application and the data used to prepare the production curve and/or table for this Well are complete and accurate.  Signature  Signature  Title  Sr. Regulatory/Proration Clribate  2/14/00  OFFICIAL SEAL dillum Amerita  Notary Public  Notary Public  Notary Public  Notary Public		5525 Hwy Farmingt	on, NM	87401				į	U	17634	
Property Name San Juan 29-6 Unit  U. Section Township Range Feet From The Q90 North North South Line Feet From The L1460 Rio Arriba  II. Workover  Date Workover Commenced: 6/14/99  Date Workover Completed: 6/21/99  Blanco Mesaverde  III. Attach a description of the Workover Procedures performed to increase production.  IV. Attach a production decline curve or table showing at least twelve months of production prior to the workover and at least three months of production following the workover reflecting a positive production increase.  V. AFFIDAVIT:  State of New Mexico  ) Ss.  County of San Juan  Patsy Clugston  , being first duly sworn, upon oath states:  1. I am the Operator, or authorized representative of the Operator, of the above-referenced Well.  2. I have made, or caused to be made, a diligent search of the production records reasonably available for this Well.  3. To the best of my knowledge, this application and the data used to prepare the production curve and/or table for this Well are complete and accurate.  Signature  Str. Regulatory/Proration Clr bate 2/14/00  OFFICIAL SEAL CILLUM ARMENTA NOTARY PUBLIC REVENDED.  Notary Public  Notary Public  Notary Public  Notary Public	Contac	t Party	***								
San Juan 29-6 Unit    Section   Township   Range   Feet From The   North/South Line   Feet From The   Last/West Line   County   Rio Arriba			ugston	·							
Section   18   Township   Range   6W   900   North/South Line   1460   East/West Line   County   Rio Arriba			29-6 Un	it				ber			
Date Workover Commenced: 6/14/99  Date Workover Completed: 6/21/99  Blanco Mesaverde  Blanco Mesaverde	UL	Section	Township	Range					/est Line	County	<del></del>
Date Workover Commenced: 6/14/99  Date Workover Completed: 6/21/99  Blanco Mesaverde  Blanco Mesaverde	II.	Worko	ver			<u></u>	J		·		
Blanco Mesaverde   Blanco Mesaverde		Vorkover Co		Previous	Producing Pool(s)	(Prior to Workover):		·			
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Signature			Well.			-					
Signature		3.					the data used to	o prepar	e the pro	duction curve and	I/or table
SUBSCRIBED AND SWORN TO before me this			for this W	ell are c	complete and ac	curate.					
SUBSCRIBED AND SWORN TO before me this	Sians	otura 7	nto.		lucator.	Title Sr. Reg	gulatory/Prom	ration	Clrkat	2/14/00	
ROTARY PUBLIC - NEW MEXICO  Notary Public  Notary Public  Notary Public  Notary Public			AND SW	RN TO	hefore me this						
My Commission expires: 101212003						Hill		D (	W HAT	GILLIAN ARMENT, NOTARY PUBLIC - NEW INTY BOND FILED WITH SECTO	
	му С	ommissio	n expires: . 	101.7	12003	·				·	

#### FOR OIL CONSERVATION DIVISION USE ONLY:

VI. CERTIFICATION OF APPROVAL:

Signature District Supervisor	757	OCD District	3/7/00	·
VII. DATE OF NOTIFI	CATION TO THE SECRETARY OF	THE TAXATION AND R	EVENUE DEPARTMENT	



API#	29-6 #55A	mcf/Month
30-039-2122	Feb-98	3,716
	Mar-98	4,489
	Apr-98	4,585
	May-98	4,298
	Jun-98	4,618
	Jul-98	4,536
	Aug-98	4,600
	Sep-98	4,582
	Oct-98	3,193
	Nov-98	3,793
	Dec-98	3,730
	Jan-99	3,785
Workover	Feb-99	3,408
	Mar-99	3,746
	Apr-99	3,647
	May-99	1,952
Workover	<b>J</b> un-99	5,650
	Jul-99	15,271
	Aug-99	11,276
	Sep-99	10,415

Submit 3 Copies to Appropriete District Office

CONDITIONS OF APPROVAL, IF ANY:

### State of New Mexico Energy, Minerals and Natural Resources Department

Form C-103 Revised 1-1-89

District Office	AVV AANGEDELLING	\\\		
<b>DISTRICT I</b> P.O. Box 1980, Hobbs NM 88241-1980	OIL CONSERVATIO 2040 Pacheco		WELL API NO. 30-039-212	26
DISTRICT II P.O. Drawer DD, Artesia, NM 88210	Santa Fe, NM	87505	5. Indicate Type of Lease	
DISTRICT III 1000 Rio Brazos Rd., Aztec, NM 87410			6. State Oil & Gas Lease No	
SUNDRY NOT	ICES AND REPORTS ON WEL	I S		
(DO NOT USE THIS FORM FOR PRODIFFERENT RESE	OPOSALS TO DRILL OR TO DEEPEN ( RVOIR. USE "APPLICATION FOR PER -101) FOR SUCH PROPOSALS.)	OR PLUG BACK TO A	7. Lease Name or Unit Agre	ement Name
1. Type of Well: OIL GAS WELL WELL WELL X	OTHER	017654	San Juan 29-6 Unit	009257
2. Name of Operator			8. Well No.	
Phillips Petroleum Company			SJ 29-6 Unit # 55	5A
3. Address of Operator 5525 Highway 64. NBU 3004.	Farmington NM 87401		9. Pool name or Wildcat Blanco Mesaverde	72319
4. Well Location Unit Letter C : 900		Line and14	•	West Line
Sartion 18	Tosunshin 29N R	ange 6W	NMPM Rio Arr	iha o
Section 18	Township 25N Ra		112/11 1/2	Tud County
			<u> </u>	
11. Check Ap	propriate Box to Indicate	Nature of Notice,	Report, or Other $\Gamma$	ata
NOTICE OF II	NTENTION TO:	SUE	SEQUENT REPO	ORT OF:
DEDECORA DELACTIVA LAVORY	PLUG AND ABANDON	REMEDIAL WORK	☐ ALTERIA	IG CASING
PERFORM REMEDIAL WORK				ND ABANDONMENT
TEMPORARILY ABANDON	CHANGE PLANS L.	COMMENCE DRILLING		ND ABANDONMEN I
PULL OR ALTER CASING		CASING TEST AND CE		F
OTHER:		OTHER:	Add pay & stimulate	<u> </u>
Describe Proposed or Completed Opwork) SEE RULE 1103.  See attached for the pr	ocedure used to add additio	onal perfs and simu	ulate the Menefee int	
pay and stimulate the L	ewis Shale interval all wit	hin the existing N	desaverde formation.	
		CENTER	<b>a</b>	
	<u> </u>		<i>H</i>	
	пп	JUN 2 8 1999 '-		
	710	L CON. DIV	7.	
	<u> </u>	DIT. 3	70	
I hereby certify that the information above is	s true and complete to the best of my knowled	ge and belief.		
BIGHATURE Falsy	Megson 11	mue <u>Regulatory</u>	Assistant DAT	E 6/24/99
TYPE OR PRINT NAME	Patsy Clugston		TELEPHON	ie но. <u>505-599-3454</u>
(This space for State Use)  ORIGINAT RIGHTS		PEPVITY OIL & GAS	Inspector, dist. #8	JUN 80 1999
ORIGINAL SIGNED	37 ERNIE BUSCH	TILE	DATE	· · · · · · · · · · · · · · · · · ·

# San Juan 29-6 Unit #55A Fee; Unit C, 900' FNL & 1460' FWL Section 18, T29N, R6W; Rio Arriba County, New Mexico

#### Procedure used to add additional perfs to Menefee interval & then add pay & stimulate the Lewis Shale interval, all within the existing Mesaverde formation

6/14/99

MIRU Key Energy Rig #40. Killed well. ND WH & NU BOPs. PT – OK. COOH w/2-3/8" tubing. RIH w/4-1/2" CIBP & set @ 5395'. GIH & perforated Menefee interval as follows @ 1 spf .31" dia holes.

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5368', 5366', 5319', 5311', 5291', 5289', 5262', 5260', 5247', 5236', 5233', 5213', 5211', 5202', 5194', 5187', 5185', 5182', 5169', 5148', 5132', 5120', 5118'; Total 23 holes
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RIH w/FB packer & set @ 5383'. PT - OK. Released packer & set @ 5351'. RU to acidize. Pumped 200 gal 15% HCL & then 333 gal of 15% HCL & ballsealers. Released packer & knocked balls off. COOH w/packer. RIH w/4-1/2" CIBP & set @ 4900'. Pumped 500 gal 15 % HCL & circulated our w/140 bbls 2% KCL to remove CaCO<sub>3</sub> scale. PT casing, rams & CIBP @ 500 psi for 30 minutes. Good test. Ran GR/CCL/CBL from 4910' to CIBP 2520'. Good cement bond to 2900'. Marginal bond to 2520' (liner top). Logged 7" from 2520 to 100'. TOC @ 2310'. GIH & perforated Lewis Shale interval @ 1 spf .38" dia holes as follows: (Huerfanito Bentonite not present, equivalent stratigraphic depth @ 3974').

4834' - 4837' (3');	4802' - 4805' (3');	4573' - 4576' (3');	4526' - 4529' (3');
4504' - 4507' (3');	4429' - 4432' (3');	4407' - 4410' (3');	4329' - 4332' (3');
4276' - 4279' (3');	4264' - 4267' (3');	4129' - 4132' (3');	4030' - 4033' (3'); Total 36 Holes

RIH w/4-1/2" FB packer & set @ 3836'. PT - OK. RU to Acidize Lewis Shale w/1000 gal 15% HCl acid & ballsealers. Released packer & knocked off ballsealers. GIH w/packer & set @ 2558'. PT - OK. RU to frac. Pumped 70,350 gal 60 Quality  $N_2$  30# X-link Borate foam w/201,000 # 20/40 Brady sand. Total  $N_2$  - 830,000 scf. Total fluid to recover 714 bbls. ATP - 3400 psi. ATR - 45 bpm. ISIP - 650 psi. Flowed back immediately on 1/4" and 1/2" chokes for approx. 32 hours.

Released packer & LD frac string. RIH & cleaned out fill to CIBP. Drilled out & chased to 5380'. Drilled out debris & 2# CIBP @ 5395'. Chased debris to 5622' (new PBTD). COOH. RIH w/2-3/8" tubing and set @ 5514' with "F nipple set @ 5481'. ND BOP & NU WH. PT - OK. Pumped off expendable check. RD & released rig 2000 hrs 6/21/99. Turned over to production department.