WILL JONES ENGINEER

LOGGED IN 5/18/06

APP NO. PTD SOG 13838804

# NEW MEXICO OIL CONSERVATION DIVISION

- Engineering Bureau -1220 South St. Francis Drive, Santa Fe, NM 87505



		ADMINISTRATIVE A	PPLICATION CHECK	LIST
Т	HIS CHECKLIST IS		PPLICATIONS FOR EXCEPTIONS TO DIVISION AT THE DIVISION LEVEL IN SANTA FE	ON RULES AND REGULATIONS
Applic	[DHC-Dov [PC-P	andard Location] [NSP-Non-Stand vnhole Commingling] [CTB-Lea ool Commingling] [OLS - Off-Le [WFX-Waterflood Expansion]	ase Storage] [OLM-Off-Lease N [PMX-Pressure Maintenance Expa [IPI-Injection Pressure Increase	se Commingling] leasurement] insion] e]
[1]	TYPE OF A	PPLICATION - Check Those Wh Location - Spacing Unit - Simu NSL NSP SI	Itaneous Dedication	
	Chec [B]	k One Only for [B] or [C]  Commingling - Storage - Measu  DHC CTB P	urement	LM
	[C]		ncrease - Enhanced Oil Recovery WD	PR ·
	[D]	Other: Specify	war war and the same of the sa	-
[2]	NOTIFICATE		Those Which Apply, or Does Not iding Royalty Interest Owners	Apply
	[B]	Offset Operators, Leasehol	ders or Surface Owner	
	[C]	Application is One Which	Requires Published Legal Notice	
	[D]	Notification and/or Concur U.S. Bureau of Land Management - Com	rrent Approval by BLM or SLO missioner of Public Lands, State Land Office	
	[E]	For all of the above, Proof	of Notification or Publication is At	tached, and/or,
	[F]	Waivers are Attached		
[3]		CCURATE AND COMPLETE IN ATION INDICATED ABOVE.	NFORMATION REQUIRED TO	PROCESS THE TYPE
	val is <b>accurate</b>		formation submitted with this applowledge. I also understand that <b>no</b> ns are submitted to the Division.	
	Note	e: Statement must be completed by an in	dividual with managerial and/or supervis	ory capacity.
Print o	r Type Name	Signature	Title	Date

e-mail Address



Via Facsimile (505) 476-3462 (10 pages)

State of New Mexico
Energy, Minerals and Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Drive
Santa Fe New Mexico 87505

Attention: Mr. Will Jones

Re: Application for Downhole Commingling Form C-107A- REVISED

Clayton Williams Energy, Inc. State 16-13, Well No. 1 Rocky Arroyo Field Sect. 16, T-22-S, R-22-E API No. 30-015-34140 Eddy County, New Mexico

Mr. Jones:

Please find attached the following documentation pursuant to our application for downhole commingling:

Form 107A
Form C101
Form C102
Estimated Production Rates and Supporting Data

Please note this application supersedes our earlier application dated May 18, 2006. We mistakenly named the Wolfcamp zone perforations from 7066'-7232' as a Canyon zone.

Should you have any questions or require further, please call me at (432) 688-3228. Thank you for your help in expediting this request.

Sincerely yours,

Urmando Madrid Armando Madrid Petroleum Engineer

Cc: New Mexico State Land Office Commissioner of Public Lands Oil, Gas and Minerals Division Jami Bailey, Director P O Box 1148 Santa Fe NM 87504-1148 District I 1625 N. French Dr.

State of New Mexico

Form C-107A Revised June 10, 2003

District II

District III

Energy, Minerals and Natural Resources Department

Oil Conservation Division

1220 South St. Francis Dr. Santa Fe, New Mexico 87505

**APPLICATION TYPE** <u>X</u> Single Weil Establish Pre-Approved Pools

District IV 1220 S. St. Francis Dr., Santa Pe, NM 87505	APPLICATION FOR DO	WNHOLE COMMINGLING	EXISTING WELLBORE  X Yes No
,		<u>D</u> :	HC-3710)
CLAYTON WILLIAMS ENE		, #3000, MIDLAND, TX 79705 lress	
STATE 16-13		ec 16, T22S, R22E Section-Township-Range	Eddy County
		. •	Federal X State Fee
OGRID No. 25706 Property Co	de <u>34863</u> API No. <u>30-0</u>	15-34140 Lease Type:	rederal A State Fee
DATA ELEMENT	UNDES - CA	-INTERMEDIATE ZONE	LOWER ZONE
Pool Name	Rocky Arroyo (Wolfcamp)	Rocky Arroyo Canyon (Gas)	Wildcat Strawn (Gas)
Pool Code	84200	84120	
Top and Bottom of Pay Section (Perforated or Open-Hole Interval)	7066'-7232'	7299'-8026'	8072'-8592'
Method of Production (Flowing or Artificial Lift)	flowing	flowing	flowing
Bottomhole Pressure (Note: Pressure data will not be required if the bottom perforation in the lower zone is within 150% of the depth of the top perforation in the upper zone)			
Oil Gravity or Gas BTU (Degree API or Gas BTU)			
Producing, Shut-In or New Zone	New zone	New zone	New zone
Date and Oil/Gas/Water Rates of Last Production. (Note: For new zones with no production history, applicant shall be required to attach production	Date:	Date:	Date:
estimates and supporting data.)	Rates:	Rates:	Rates:
Fixed Allocation Percentage (Note: If allocation is based upon something other than current or past production, supporting data or	Oil Gas Allocation % will be	Oil Gas  Allocation % will be submitted	Oil Gas  Allocation % will be submitted
explanation will be required.)	submitted upon completion	upon completion	upon completion
(	ADDITION	NAL DATA	
Are all working, royalty and overriding If not, have all working, royalty and over			Yes         X         No           Yes         No
Are all produced fluids from all commi		-	Yes X No
Will commingling decrease the value o			Yes NoX_
If this well is on, or communitized with			Yes X No
or the United States Bureau of Land Ma NMOCD Reference Case No. applicabl			rcsANo
Attachments:  C-102 for each zone to be comming Production curve for each zone for For zones with no production histor Data to support allocation method of Notification list of working, royalty Any additional statements, data or of the statements of the statements.	gled showing its spacing unit and ac at least one year. (If not available, ry, estimated production rates and s or formula. – provided upon comp	reage dedication attached attach explanation.) – N/A upporting data attached letion r uncommon interest cases. – N/A	
TO STATE OF THE ST	PRE-APPRO	OVED POOLS	
If application is		e following additional information wi	II be required:
List of other orders approving downhol List of all operators within the proposed	e commingling within the proposed	_	-

Proof that all operators within the proposed Pre-Approved Pools were provided notice of this application.

Bottomhole pressure data.

I hereby certify that the information above is true and complete to the best of my knowledge and belief.										
SIGNATURE firmando Machid	_TITLE	Petroleum Engineer	DATE <u>5/23/06</u>							
TYPE OR PRINT NAME Armando Madrid		TELEPHONE NO. ( 432	) 682-6324							

E-MAIL ADDRESS <u>amadrid@claytonwilliams.com</u>

E-MAIL ADDRESS <u>amadrid@claytonwilliams.com</u>

District I 1625 N. Franch Drive, Hobbs, NM 88240

Energy, Minerals and Natural Resources Department

Form C-107A Revised June 10, 2003

District II

1381 W. Grand Avenue, Artesia, NM 88210

District III
1000 Rio Brazos Rond, Azzoc, NM 87410

State of New Mexico

Oil Conservation Division

1220 South St. Francis Dr. Santa Fe, New Mexico 87505

APPLICATION TYPE. X Single Well Establish Pre-Approved Pools

ADDITIONAL DATA  Are all working, royalty and overriding royalty interests identical in all commingled zones? Yes X No		Ade	dress	
DATA ELEMENT  UPPER ZONE  INTERMEDIATE ZONE  LOWER ZONE  Pool Name  Wildeat Atoka (Gas)  Wildeat Atoka (Gas)  Pool Code  Top and Bottom of Pay Section (Rowing or Artificial Lift)  Bettomhole Preson that we to temperate the boson (Playment and with the temperature) (New Preson and Wilder Lift)  Date:  Date:  Date:  Date:  Date:  Rates:  Rate		1M_SE	CC. 16, T22S, R22E	
Pool Name Pool Code Top and Bottom of Pay Section (Flowing or Artificial Life) Bottomhole Pressure (flost: Prosent state will not be required if a brown producing, Shut-In or New Zone Date and Oil/Gas/Water Rates of Last Production (Gravity or Gas BTU (General Art of Ga	:			•
Pool Name  Pool Code  Top and Bottom of Pay Soction (Preferred of Open Hole Interval)  Method of Production (Proving or Artificial Lin)  Bottomhole Pressure and if the house perferred in the year one a wistal 1976 of the house perferred in the year one a wistal 1976 of the house perferred in the year one a wistal 1976 of the house perferred in the year one a wistal 1976 of the house perferred in the year one a wistal 1976 of the house perferred in the year of the BTU  Organ and it of the BTU  Organ and it of the BTU  Producting, Shut-In or  New Zone  Date and Oil/Gas/Water Rates of  Last Production.  Chast Production.  Pate and Oil/Gas/Water Rates of  Last Production.  Rates:  Rates:  Rates:  Rates:  Rates:  Fixed Allocation Percentage  Other Fire zero are with an appealing of the real content of the perfect of the perf	Troperty Co	de_34803 AFTNO30-0	113-34140 Lease Type	
Pool Code  Top and Bottom of Pay Section (Perforated or Open-Hole Interval)  Method of Production (Flowing or Artificial Life)  Bottomhole Pressure with the town of the town	DATA ELEMENT	UPPER ZONE	INTERMEDIATE ZONE	LOWER ZONE
Pool Code Top and Bottom of Pay Section (Perforated or Open-Hole Interval)  Method of Production (Flowing or Artificial Life)  Method of Production (Flowing or Artificial Life)  Motificial Life)  Motificial Life  Motificial Lif	Pool Name	Wildcat Atoka (Gas)		
Top and Bottom of Pay Section (Performed or Open-Hole Interval)  Method of Production  (Flowing or Artificial Lia)  Bottomhole Pressure  Gine: Pressure dis will not be required if the booms presented in the production of the depth of the production is to the open and the boom presented in the production is to the open and the boom presented in the production of the depth of the production is to the open and the boom presented in the production of the depth of the production is to the open and the boom presented in the production of the depth of the production is to the open and the depth of the production of the depth of the production of the productio	Pool Code	•		
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Bottomhole Pressure  With the Power data of the toper data of the boson  perforation in the toper and in the horse  perforation in the toper and to the regiment of the boson  perforation in the toper and to the present of the boson  perforation in the toper and to the perforation in the upper annual  Clip Gravity or Gas BTU  Copyers Air of the Spring Mills of the Spring Mills of the Spring Production.  Date and Oil/Gas/Water Rates of  Last Production.  Date:  Date:  Date:  Date:  Date:  Date:  Production.  Rates:  Rates:  Rates:  Rates:  Rates:  Clil Gas Oil Gas  Oil Gas  Oil Gas  Allocation % will be  Submitted upon completion  ADDITIONAL DATA  re all working, royalty and overriding royalty interests identical in all commingled zones?  re all produced fluids from all commingled zones compatible with each other?  Yes X No  ANO  ANO  This well is on, or communitized with, state or federal lands, has either the Commissioner of Public Lands  of the United States Bureau of Land Management been notified in writing of this application?  Yes X No  MOCD Reference Case No. applicable to this well:  Listchments:  Cl-102 for each zone to be commingled showing its spacing unit and acreage dedication ATTACHED  Production curve for each zone for at least one year. (If not available, attach explanation.) - N/A  For zones with no production history, estimated production rates and supporting data ATTACHED  Data to support allocation method or formula PROVIDED UPON COMPLETION  Notification list of working, royalty and overriding royalty interests of uncommon interest cases N/A  Any additional statements, data or documents required to support commingling.  PRE-APPROVED POOLS  If application is to establish Pre-Approved Pools were provided notice of this application.		flowing		
Oil Gravity or Gas BTU (Desgrea AP) or Gas	Bottomhole Pressure (Note: Pressure data will not be required if the bottom perforation in the lower zone is within 150% of the			
Date and Oil/Gas/Water Rates of Last Production. Observer for new zones with no production bistory. Observer for new zones with no production described as the production bistory. Observer for new zones with no production of the standard possibility. Only Gas Oil	Oil Gravity or Gas BTU			
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(Note: Italication is based upon something other than current or pas production, supporting data or explanation will be required.)  Allocation % will be % % % % % % % % % % % % % % % % % %	Date and Oil/Gas/Water Rates of Last Production. (Note: For new zones with no production history, applicant shall be required to attach production			
Allocation % will be captamation will be required.)  Allocation % will be % % % % % % % % % % % % % % % % % %	Fixed Allocation Percentage	Oil Gas	Oil Gas	Oil Gas
re all working, royalty and overriding royalty interests identical in all commingled zones?  Thot, have all working, royalty and overriding royalty interest owners been notified by certified mail?  Yes No re all produced fluids from all commingled zones compatible with each other?  Yes X No will commingling decrease the value of production?  This well is on, or communitized with, state or federal lands, has either the Commissioner of Public Lands the United States Bureau of Land Management been notified in writing of this application?  Yes X No MOCO Reference Case No. applicable to this well:  C-102 for each zone to be commingled showing its spacing unit and acreage dedication ATTACHED Production curve for each zone for at least one year. (If not available, attach explanation.) - N/A  For zones with no production history, estimated production rates and supporting data ATTACHED Data to support allocation method or formula PROVIDED UPON COMPLETION Notification list of working, royalty and overriding royalty interests for uncommon interest cases N/A Any additional statements, data or documents required to support commingling.  PRE-APPROVED POOLS  If application is to establish Pre-Approved Pools, the following additional information will be required: ist of other orders approving downhole commingling within the proposed Pre-Approved Pools ist of all operators within the proposed Pre-Approved Pools were provided notice of this application.	than current or past production, supporting data or	1 ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' '	% %	% %
Are all produced fluids from all commingled zones compatible with each other?  Yes X No  Will commingling decrease the value of production?  Yes No X  If this well is on, or communitized with, state or federal lands, has either the Commissioner of Public Lands  If the United States Bureau of Land Management been notified in writing of this application?  WMOCD Reference Case No. applicable to this well:  C-102 for each zone to be commingled showing its spacing unit and acreage dedication ATTACHED  Production curve for each zone for at least one year. (If not available, attach explanation.) - N/A  For zones with no production history, estimated production rates and supporting data ATTACHED  Data to support allocation method or formula PROVIDED UPON COMPLETION  Notification list of working, royalty and overriding royalty interests for uncommon interest cases N/A  Any additional statements, data or documents required to support commingling.  PRE-APPROVED POOLS  If application is to establish Pre-Approved Pools, the following additional information will be required:  ist of other orders approving downhole commingling within the proposed Pre-Approved Pools ist of all operators within the proposed Pre-Approved Pools were provided notice of this application.		ADDITIO	NAL DATA	
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ottomhole pressure data.	ist of other orders approving downholist of all operators within the proposec	e commingling within the proposed Pre-Approved Pools	l Pre-Approved Pools	Il be required:
	SIGNATURE limando	Maand TITLE	Petroleum Engineer	DATE <u>5/23/06</u>

District 1
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV

## State of New Mexico Energy Minerals and Natural Resources

Form C-101 May 27, 2004

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 Submit to appropriate District Office

AMENDED REPORT

1220 S. St. F	·	•		TO DRILL,		ENTED D		T DI TICDA	CV OI	ממגי	NA ZONE
AFFI	JCAT	UN FUI	Operator Name		, K.C1	LINIER, D	eere.	25706	OGRID		AZUNE
Clayton W	/illiams I	Cnergy, Inc	:., Six Desta I	)r., #3000, Mid	land, T	TX 79705		30 - 015-3	<sup>3</sup> API N	umber	<b></b>
<sup>3</sup> Prope	erty Code			°F STA	roperty	Name 16-13"		1 30 - 013-3	1	Well 1	No.
	34863			SIA		10-13		10			
		71	Proposed Pool 1					™ Pro	posed Pool 2		
	· · · · · · · · ·		· · · · · · · · · · · · · · · · · · ·	<sup>7</sup> Su	rface	Location		<u> </u>			<u> </u>
UI. or lot no.	Section 16	Township 22 S	Range 22 E	Lot Idn	Feet fro	om the North/S	South line uth	Feet from the	East/Wes Wes		County <b>Eddy</b>
	1		8 Propos	sed Bottom Hole	e Locat	ion If Differe	nt From S	Surface			
UL or lot no.	Section	Township	Range	Lot Idn	Feet fro		South line	Feet from the	East/Wes	t line	County
	-	L		Addition	al We	ll Informati	on		<u></u> ,	L	
11 Work	Type Code		12 Well Type Cod		13 Cable	/Rotary		Lease Type Code S			d Level Elevation 4364
16 Multiple 17 Proposed			17 Proposed Dept	h		mation		19 Contractor			Spud Date
Depth to Gro		100° est.	8,880	Distance from ne		nn sh water weli >		Nabors WS	om nearest su		n approval er >1000'
	: Synthetic		ils thick Clay	<u> </u>	bbl	,	rilling Met	L.,	ATT TOUR COT OU		
<del></del>	ed-Loop Sy		NO PIT	FR VOIDILE	001:	s D		nter D Brine	Diesel/Oil-	hased [	] Gas/Air □
Clus	CO-LOOP S)		21	Proposed Ca	sing a	nd Cement			, Dieseron	00000	<u>. Out.1.07 [1.1</u>
Hole S	Size	Casi	ng Size	Casing weight/	foot	Setting D	epth	Sacks of C	ement	E	stimated TOC
	<del></del>										<u> </u>
											Parket production and the second seco
							a on the pr	resent productive	zone and pro	posed ne	ew productive zone.
	•			additional sheets i		•					
This well was	s permitted	in the Rocky	Агтоуо (Morrow	Gas), drilled in Oc	tober, 26	005, but never co	mpleted. 7	This proposal is t	o perforate a	nd frac th	iese zones:
	Wildcat	Atoka (Gas	s) 8640' – 888 s) 8072' – 84	80'							
	Rocky A	rroyo (Čan	yon Gas) 729	9' – 8026'							
	Rocky A	rroyo (Wo	fcamp) 7066'	– 7232 <b>'</b>							
3. Run tub	ing and t	est all zone	es together.								
Note: Doy	vnhole C	ommingle l	Permit will be	applied for in S	Stanta I	Fe					
				rue and complete to			OII C	ONSERVA	TION D	NICIC	<i>77</i> .
best of my kn	owledge ar	d belief. I fu	rther certify tha	t the drilling pit w general permit	rill be	A	OIL C	ONSERVA	TION D	IVISIC	JN
an (attached	) alternativ	e OCD-appi	oved plan .	general permit [_	), Ui	Approved by:					
Printed name	: Bets	y Luna				Title:					
Title:	Engineeri	ng Technicia	1			Approval Date			Expiration D	ate:	
E-mail Addre	ss: bl	una@clayton	williams.com	· · · · · · · · · · · · · · · · · · ·							
Date: 5/2:	3/06		Phone: 432-	682-6324		Conditions of A	pproval At	tached			

DISTRICT I 1625 N. French Dr., Hobbs, NM 88240

State of New Mexico

Form C-102 Revised March 17, 1999

DISTRICT II

Energy, Minerals and Natural Resources Department

Submit to Appropriate District Office

811 South First, Artesia, NM 86216 DISTRICT III

DISTRICT IV

State Lease - 4 Copies Fee Lease - 3 Copies

1000 Rio Brazos Rd., Aztec, NM 87410

2040 South Pacheco, Sante Fe, NM 87505

### OIL CONSERVATION DIVISION

2040 South Pacheco

Santa Fe, New Mexico 87504-2088

☐ AMENDED REPORT

#### WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number	Pool Code	e				
30-015-34140		Rocky Arroyo (Wolfcamp)	)			
Property Code	Prop	Property Name				
34863	STATE	STATE 16-13				
OGRID No.	Oper	ator Name	Elevation			
25706	CLAYTON WILLIA	4364'				

#### Surface Location

1	UL or lot No.	Section	Township	Range	Lot ldn	Feet from the	North/South line	Feet from the	East/West line	County	į
	М	16	22 S	22 E		660	SOUTH	660	WEST	EDDY	

#### Bottom Hole Location If Different From Surface

U	Lor	lot	N	0.	Section	Township	Range	Lot ldn	Feet from the	North/South line	Feet from the	Bast/West line	County
					1.								
I	edic	ated	Ā	crea	Joint or	lnfill	Consolidation (	Code Or	der No.				
L	m 3	20	1										

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED

 OR A NON-STAN	IDARD UNIT HAS BE	EN APPROVED BY T	HE DIVISION
1		 	OPERATOR CERTIFICATION  I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief.
 !   		     	Signature  Betsy Luna  Printed Name
 		       	Engineering Tech. Title 5-23-2006 Date
			SURVEYOR CERTIFICATION  I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervison, and that the same is true and correct to the best of my belief.
   			Date Surveyed PRY 1. JONES Signature & Seal Office Professional Surveyed
    Lat.: N32*23'08.6"  Long.: W104*42'53.0" 			No. 5.32 S  Certificate to Approve Andrew 7977  BASIN SURVEYS

DISTRICT I 1625 N. French Dr., Hobbe, NM 88240 DISTRICT II 811 South First, Artesia, NM 88210 State of New Mexico

Form C-102 Revised March 17, 1999

Energy, Minerals and Natural Resources Department

Submit to Appropriate District Office

State Lease - 4 Copies Fee Lease - 3 Copies

DISTRICT III 1000 Rio Brazos Rd., Artec, NM 87410 DISTRICT IV

2040 South Pacheco, Santa Fe, NM 87505

### OIL CONSERVATION DIVISION

2040 South Pacheco

Santa Fe, New Mexico 87504-2088

□ AMENDED REPORT

#### WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number	Pool Code	Pool Code Pool Name					
30-015-34140	].	Rocky Arroyo (Canyon Gas)					
Property Code	Proper	Property Name					
34863	STATE	STATE 16-13					
OGRID No.	Operat	or Name	<b>Elevation</b>				
25706	CLAYTON WILLIAM	S ENERGY, INC.	4364'				

#### Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
. M	16	22 S	22 E		660	SOUTH	660	WEST	EDDY

#### Bottom Hole Location If Different From Surface

	UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	Bast/West line	County
Ì	Dedicated Acres	Joint o	r Infill Co	nsolidation (	ode Or	der No.	<u> </u>	<u> </u>	<u> </u>	<u> </u>
	320									

# NO ALLOWARD WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE REEN CONSOLIDATED

	I-STANDARD UNIT HAS BEE	E DIVISION
		OPERATOR CERTIFICATION  I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief.
		 Setsua Luna  Betsy Luna
		Printed Name Engineering Tech. Title 5-23-2006 Date
		SURVEYOR CERTIFICATION  I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my
		supervison and that the same is true and correct to the best of my belief.  APRIL 20, 2005  Date Surveyed ARY 1. JONES
Lat.: N32*23'0		 Signature & Seal On Expressional Survey of Seal On Survey of Seal On Survey of Seal On
199		Certificate to Pagy Haldings 7977  BASIN SURVEYS

DISTRICT I

State of New Mexico

Form . - . Revised March 17, 1958

1625 N. French Dr., Hobbs, NM 88240 DISTRICT II 811 South First, Artesia, NM 88210

Energy, Minerals and Natural Resources Department

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DISTRICT III 1000 Rio Brazos Rd., Axtec, NM 87410

DISTRICT IV 2040 South Pacheco, Santa Fe, NM 87505

## OIL CONSERVATION DIVISION

2040 South Pacheco

Santa Fe, New Mexico 87504-2088

C AMENDED REPORT

#### WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number	er Pool Code Pool Name		•	
30-015-34140	00-015-34140 Wildcat Strawn (Gas)			
Property Code	Property Name		Well Number	
34863	STATE	1		
OGRID No.	Operat	Elevation		
25706	CLAYTON WILLIAMS ENERGY, INC. 4			

#### Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
М	16	22 S	22 E		660	SOUTH	660	WEST	EDDY

#### Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
Dedicated Acres	Joint o	2 m #E12	Consolidation C	'ada   û-	der No.				L
320	Joint o.		Consolidation (	ode   Or	sei no.				

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

			OPERATOR CERTIFICATION  I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief.
		   	Setsing Juna
			Betsy Luna Printed Name Engineering Tech.
		1	Title 5-23-2006 Date
			SURVEYOR CERTIFICATION
			I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervison and that the same is true and correct to the best of my belief.
		 	APRIL 25, 2605  Date Surveyed, PRI 1 JONES  Signature & Sen on Expressional Surveyed
Lat.: N32*23'0 Long.: W104*	08.6" 12'53.0"		No. 5132 \$
999			Certificate to Approximations 7977  BASIN SURVEYS

DISTRICT I 1625 N. Franch Dr., Hobbs. NM 88240

State of New Mexico

Form C-102 Revised March 17, 1999

DISTRICT II 811 South First, Artesia, NM 86210

Energy, Minerals and Natural Resources Department

Submit to Appropriate District Office

DISTRICT III

1000 Rio Brazos Rd., Aztec, NM 87410

2040 South Pacheco

State Lease - 4 Copies Fee Lease - 3 Copies

DISTRICT IV 2040 South Pacheco, Senta Fe, NM 87505

Santa Fe, New Mexico 87504-2088

OIL CONSERVATION DIVISION

AMENDED REPORT

#### WELL LOCATION AND ACREAGE DEDICATION PLAT

API	Number	Pool Code Pool Name								
30-01	5-34140		Wildcat Atoka (Gas)							
Property	Code							Well No	ll Number	
34863	:				STATE 16-	13		1		
OGRID N	lo.	<u> </u>	Operator Name						tion	
25706	. •		CLAYTON WILLIAMS ENERGY, INC.						4364'	
					Surface Loc	ation				
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County	
М	16	22 S	22 E		660	SOUTH	660	WEST	EDDY	
	1 1 1	<del></del>	Bottom	Hole Lo	cation If Diffe	erent From Sur	face			
UL or lot No.	Section	Township	Range	Lot ldn	Feet from the	North/South line	Feet from the	East/West line	County	
Dedicated Acre	s Joint o	r Infill Co	nsolidation (	Code Or	der No.			<u> </u>		
220				ı						

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED

<u></u>	OR A NUN-STAN	NDARD UNII HAS BE	EN APPROVED BY TH	IE DIVISION
				OPERATOR CERTIFICATION  I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief.
	! ! !		1 	Signature Betsy Luna
	1 			Printed Name Engineering Tech. Title 5-23-2006 Date
				SURVEYOR CERTIFICATION  I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervison and that the same is true and correct to the best of my belief.
	   		 	APRIL 20, 2005  Date Surved ARY JOANS  Signature & Sean offication  Professional Sirves & Co.
660'	Lat.: N32*23'08.6"  Long.: W104*42'53.0" 			Certificate CAPES LA VOICE



### Via Facsimile (505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Drive
Santa Fe New Mexico 87505

Attention: Mr. Will Jones

Re: Application for Downhole Commingling Form C-107A - REVISED

Clayton Williams Energy, Inc. Rocky Arroyo Field State 16-13 Well No. 1 Sect. 16, T-22-S, R-22-E API No. 30-015-34140 Eddy County, New Mexico

Mr. Jones:

Please consider our application to downhole commingle multiple Pennsylvanian Pay zones in the subject well. Our intention is to establish commercial production from several tight carbonate intervals. Completion plans for the proposed pay intervals is to use a linear gel system and low sand concentrations and establish large fracture wings. This method has been successfully used in the Permian Basin – (tight) Wolfcamp Formation. None of the zones are of high pressure nor abnormally low pressure. Mud log shows were minimal with a little gas and no fluorescence. Open-hole log analysis indicates that the zones have low porosity and will either be gas productive or too tight to produce. Water production does not appear to be excessive and should pose no concern.

The stimulation program will be divided into seven stages:

Stage 1: 8640'-8880': Atoka gas. This tight carbonate interval has porosity in the 2-4 % range.

Stage 2: 8470'-8592': Lower Strawn gas. This tight carbonate interval has porosity in the 2-4 % range.

Stage 3: 8072' - 8424': Upper Strawn gas. These limestone stringers have small quantities of sand. Porosity values vary from 2 to 4 % with one 6 foot stringer with 12 % porosity.

Mr. Will Jones May 23, 2006 Page 2 of 2

Stage 4: 7846'-8026': Canyon gas. This limestone interval has porosity in the 2-4 % range in the upper stringers and 4-6 % porosity in the lower stringers.

Stage 5: 7641'-7758': Canyon gas. This interval is a dolomite section with porosity in the 6-8 % range.

Stage 6: 7299'-7534': Canyon gas. These limestone zones have porosity values from 2 to 4 %. An 8 foot stringer contains 8 % porosity. The mud log had gas shows throughout the interval.

Stage 7: 7066'-7232': Wolfcamp gas. These thin limestone stringers have porosity from 2 to 4 %. The mud log had gas shows throughout the interval.

To determine productive and non-productive intervals a spinner / temperature log will be run after stimulation and when the well is flowing gas. The log may also determine the percent contribution of each productive zone for allocation purposes.

Please contact me at (432) 688-3228, should you have any questions.

Sincerely yours,

Armando Madrid Petroleum Engineer

amando Madrid