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

Susana Martinez

Governor

**David Martin** Cabinet Secretary-Designate

Brett F. Woods, Ph.D. **Deputy Cabinet Secretary** 

Jami Bailey, Division Director Oil Conservation Division



New Mexico Oil Conservation Division approval and conditions listed below are made in accordance with OCD Rule 10 15 7 11

and are in addition to the actions approved by BLM on the following 3160-4 or 3160-5 form.
Operator Signature Date: 6/16/14
Application Type:  P&A Drilling/Casing Change Recomplete/DHC
Location Change Other:
Well information:  API WELL#: Well Name Well.# Operator Name Type Stat County Surf Owner UL Sec Twp N/S Rng W/E  30-045-30204-00-00 BLANCO 001A FOUR STAR OIL & GAS CO G A San Juan F O 1 27 N 9 W
Conditions of Approval:
Notify NMOCD 24hrs prior to beginning operations
Receive DHC from Santa Fe for the 3 zones prior to work beginning
Squeeze from 2165 feet to 500 feet above top perforation, after Squeeze CBL needs to be provided to agencies for review
Wed Hypa
NMOCD Approved by Signature  6-26-14  Date

Form 3160-5 (August 2007)

#### UNITED STATES DEPARTMENT OF THE INTERIOR

FORM APPROVED
OMB NO. 1004-013:
Expires: July 31, 2019

B		: July 31, 2010				
SUNDRY Do not use th	5. Lease Serial No. 1149IND8463					
abandoned we	6. If Indian, Allottee	or Tribe Name				
SUBMIT IN TR	IPLICATE - Other instru	ctions on reverse side.		7. If Unit or CA/Agre	cement, Name and/or No.	
Type of Well     ☐ Oil Well	Type of Well					
Name of Operator FOUR STAR OIL & GAS CO!	Contact: MPANY E-Mail: April.Pohl(	APRIL E POHL @chevron.com		9. API Well No. 30-045-30204		
3a. Address 332 ROAD 3100 AZTEC, NM 87410	*}	10. Field and Pool, of BASIN FRUITL				
4. Location of Well (Footage, Sec., 7	T., R., M., or Survey Description	1)		11. County or Parish, and State		
	Sec 1 T27N R9W SWSE 700FSL 1900FEL 36.559013 N Lat, 107.737369 W Lon					
12. CHECK APP	ROPRIATE BOX(ES) TO	O INDICATE NATURE OF	NOTICE, R	EPORT, OR OTHE	R DATA	
TYPE OF SUBMISSION		. ТҮРЕ О	F ACTION			
Notice of Intent	☐ Acidize	□ Deepen	☐ Produc	tion (Start/Resume)	☐ Water Shut-Off	
	☐ Alter Casing	□ Fracture Treat	Reclan	nation	■ Well Integrity	
☐ Subsequent Report	☐ Casing Repair	■ New Construction	☐ Recom	plete	Other	
☐ Final Abandonment Notice	☐ Change Plans	Plug and Abandon	☐ Tempo	rarily Abandon	Subsurface Commingli	
	Convert to Injection	□ Plug Back	☐ Water			
13. Describe Proposed or Completed Op If the proposal is to deepen direction Attach the Bond under which the wo following completion of the involved testing has been completed. Final Addetermined that the site is ready for	ally or recomplete horizontally, rk will be performed or provide I operations. If the operation re bandonment Notices shall be fil	give subsurface locations and meas the Bond No. on file with BLM/BL sults in a multiple completion or rec	ured and true v A. Required su completion in a	ertical depths of all perti- absequent reports shall be new interval, a Form 310	nent markers and zones. filed within 30 days 60-4 shall be filed once	

FOUR STAR OIL & GAS COMPANY REPSPECTFULLY REQUESTS APPROVAL TO DOWNHOLE COMMINGLE THE OTERO-CHACRA, BLANCO MESAVERDE WITH THE BASIN FRUITLAND ZONE. CURRENTLY THE WELL IS PRODUCING UNDER DHC 2729. PLEASE SEE ATTACHMENTS FOR WELLBORE DIAGRAMS. WE NOTIFIED SURROUNDING OPERATORS AND RECEIVED NO RESPONSE.

CONCURRENTLY FOUR STAR OIL & GAS HAS SENT A C-107A TO THE NMOCD FOR A DOWNHOLE COMMINGLE. ONCE THE PERMIT IS ISSUED WE WILL BE FILING ANOTHER 3160-5 NOI TO BEGIN THE ACTUAL WORK.

Fruitland Recompletion Procedure: Rig up, install BOP and test Pull tubing. Run 4-3/4? bit and scrapper to PBTD 4603?

Set bridge plug at ~3000?

OIL CONS. DIV DIST. 3

JUN 19 2014

14. Thereby certify that the	ne foregoing is true and correct.  Electronic Submission #249810 verifie  For FOUR STAR OIL & GAS CO			
Name(Printed/Typed)	JAMES MICIKAS	Title	PRODUCTION ENGINEER	
Signature	(Electronic Submission)	Date	06/16/2014	
	THIS SPACE FOR FEDERA	AL OR	STATE OFFICE USE	
Approved By	Humth	Title	Ben	Date 6-17-13
Conditions of approval, if a certify that the applicant hole	ny, are attached. Approval of this notice does not warrant or ds legal or equitable title to those rights in the subject lease licant to conduct operations thereon.	Office	FFO	
Tit 10 11 0 C 0 1 100	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			t on a comes, of the United

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.



#### C-107A Downhole Commingle Application, Dated 03/31/2014

## Blanco 1A API 30-045-30204 700 FSL & 1900 FEL Unit Letter O, S 1, T 29N, R9W San Juan County, New Mexico

In support of this proposed Downhole Commingling request, Four Star Oil & Gas submits the following:

- a. The three pools to be commingled are the Blanco-Mesaverde (72319) with perforations from 3916'-4480', Otero Chacra (82329) with perforation from 2972-3144' and the Basin Fruitland (71629) with perforations between 1915'-1990'.
- b. We have not experienced any significant cross flows between these intervals and all fluids produced from these intervals are compatible.
- c. Downhole Commingling will not reduce the value of the total remaining production and will enhance the economic life of the well by eliminating redundant surface and downhole equipment if completed and maximizing its productivity and total recoveries.
- d. Ownership percentages in the Otero Chacra and Blanco Mesaverde are identical. Four Star owns 100% of the Basin Fruitland pool in this well.
- e. Concurrent DHC Application is being sent on Form 107A to the NMOCD, Santa Fe Office.
- f. Our proposed production allocation percentages are currently based on historical production from the Blanco Mesaverde and Otero Chacra zones. The Basin Fruitland productivity was determined by the average of three (3) direct offsets that had similar net Fruitland Coal pay. The average of the three (3) well is 37 mcfd. Please see attached. If these initially proposed allocations do not coincide with actual production results from completion, they will be presented again later using the Subtraction Method.

Otero Chacra	76% oil	49% gas	30% water
Blanco Mesaverde	24% oil	19% gas	31% water
Basin Fruitland	0% oil	37% gas	39% water

#### Additional data for EC transaction #249810 that would not fit on the form

#### 32. Additional remarks, continued

Load casing with water and test to 500 psi Run Gr-CCL log, perforate Fruitland coal 1986?-2004?, 2011?-2021? and 2032?-2052? Frac Fruitland Coal Drill out plug at 3000? proceed to cleanout to PBTD 4403? Reinstall plunger lift equipment for downhole commingled Mesaverde and Fruitland intervals Return well to production

PLEASE SEE ATTACHED INFORMATION

District.1
1633 N French Dr., Hobbs, NN 82240
Phones: (572) 393-6160 Fier (575) 393-0720
District.II
911 S. Flord St., Artonis, ROM 82210
Phones (573) 740-1283 Fier. (575) 748-9720
Charlet.III
1000 Blo Bristons Romi, Asten, NM 87410
Phone (505) 334-6178 Fier., (305) 334-6170
District.IV
1220 S S., Francis Dr., Sanna Fe, NM 87505
Phones: (505) 476-3460 Fier. (505) 476-3462

# State of New Mexico Energy, Minerals & Natural Resources Department OIL CONSERVATION DIVISION 1220 South St. Francis Dr. Santa Fe, NM 87505

Form C-102 Revised August 1, 2011 Submit one copy to appropriate District Office

☐ AMENDED REPORT

		WI	ELL LO	CATIO	N AND AC	REAGE DEDIC	CATION PLA	T	
API Number 2 Pool Code						Pool Na			
		30204	11	664		Basin	Fruitle	bon	
Property C			DI		<sup>5</sup> Property	Name	1		Well Number
17659			<u>SIA</u>	HCG					IA
'OGRID N	, ,				" Operato	r Name			<sup>7</sup> Elevation
13199	4		TOPR	Sla	IR Oil	£ 505		5 8	93' GR
					<ul><li>Surface</li></ul>	Location			
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UL or lot zo.	Sertion	Township	Range	Lot Ida	Feet from th	e North/South line	Fact from the	Rout/West line	Consty
Dedicated Acres	13 Joint O	Infill 12 Con	solidation C	ceds 35 Om	der No.				
319.70	1			-		•			

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.

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				Deze of Survey
				Signature and Seal of Professional Surveyor:
	•	·		
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	•	0-	1900'	
		100'		Certificate Number
			Miles Marie Control	

District 1635 N Franch Dr., Hobbs, ND4 88240 Phones, (\$75) 393-6161 Fee: (\$75) 393-0720 Dicts II St J S. Finz St., Arteria, 100 88210 200 (575) 749-1383 Fee: (575) 749-9720 District (1) 2000 Min Brazos Reed, Aziec, NM 97410 Phone (505) 334-6178 Per (505) 214-6170 District IV

#### State of New Mexico

#### Energy, Minerals & Natural Resources Department OIL CONSERVATION DIVISION 1220 South St. Francis Dr.

Form C-102 Revised August 1, 2011 Submit one copy to appropriate District Office

☐ AMENDED REPORT

Santa Fc, NM 87505 1220 S St Francis Dr., Santa Pc, NM 97505 Plana (501) 476-3460 Fee: (505) 476-3462 WELL LOCATION AND ACREAGE DEDICATION PLAT API Number 30-045-307 MesAY **Property Code** Well Number 7659 OGRID No. 21 994 5892' " Surface Location UL or let as. Section Township Range Let Idn Feet from the North/South line Feet from the East/West line 700 South 900 " Bottom Hole Location If Different From Surface UL or lot no. Section Township Feet from the North/South line Eart/West line County Dedicated Acres Joint or helili Consolidation Code 15 Order No. 319.70 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 39.77AC 39,93 Ac रीपु कार्यासूर्य कीवर कीत अञ्चीवनावादीका सामान्यांत्रांच्या विकासीत स्व रंगाः वास्त्री का to the best of my knowledge and belog, and that that any a verting extens or sedemed nowed television in the land techning roand bottom kulu knostien er han o right to drill this well at this ता के व दानाववार प्रांक्षि का कारक वृद्धिकों व स्ववस्था के प्रार्थित t, or to a valuatory pooling agreement or a computacy paola **SURVEYOR CERTIFICATION** I hereby certify that the well location shown on this plat was plotted from field notes of actual staveys made by me or under my supervision, and that the some is true and correct to the best of my belief. Date of Survey Signature and Seel of Professional Surveyor: 1900'

700

1625 N. French Dr., Hobbs, NM 88340

Datrict II

1301 W. Grand Avenas, Artesla, NM 80216

District III

1000 Rts Brasco R4. Aston, NM 87410

Energy, Minerals & Natural Resources Department OIL CONSERVATION DIVISION 1220 South St. Francis Dr.

Submit to Appropriate District Office State Lense - 4 Copies

Fee Lease - 3 Copies

Revised June 10, 2003

District SV 1220 S. St. Franci	o Dy <sub>4</sub> Santa				Santa Fe, l				MENDED REPORT
	API Numbi -045-302	<b>T</b>	WELL LA	Peel Cod 82329	e s	CREAGE DEDIC	CATION PLA Poel Na Otero Ci	Ø2	
'Property Code					' Propert	•	***		*Well Number
OGRID No.					* Operate				'Elevation
13199	131994 Four Star Oil & Gas Company								5,893' <b>GR</b>
	<del></del>					e Location	· · · · · · · · · · · · · · · · · · ·		
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		2/-11	144 Table 144	- XX	1724 1	If Different Fro		10M8L	280 July
UL er lei m.	Section	Township		Lot Ido	Feet from the	Narth/South line	Feet from the	East/West line	County
<sup>13</sup> Dedicated Acre 160 (Se/4)-C3	- 1	r lo(ii)	Consilitation	Code "O	Irder No.	·	. <del></del>		
16						N APPROVED BY	THE DIVISION  17 OP: 1 hereby a bellef.  Jennifer H Present reserve.  Regulatory Tale sed Be- 11/27/2007  Date	ERATOR C.  errors that the outer  Complete to the be  Vinal All  Lidgens  Technicaen	LIDATED OR A NON ERTIFICATION THAT LOSS CONTROL CONTROL  LIST of my landwisedge and  LIDATED OR A NON THAT CONTROL  LING CONTROL
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### New Mexico Energy, Minerals and Natural Resources Department,

#### Bill Richardson

Governor

Joanna Prukop Cabinet Secretary Reese Füllerton Deputý Cabinet Secretary Mark Fesmire
Division Director
Oil Conservation Division



Administrative Order DHC-4130

Order Däte: 12/6/2008

Application Reference Number: pKVR0832930063

FOUR STAR OIL & GAS CO 15 Smith Road Midland, TX 79705

Attention: ALAN W BOHLING, REG AGENT

BLANCO Well No. 002A API No: 30-045-24526

Unit I, Section 12, Township 27 North, Range 9 West, NMPM

San Juan County, New Mexico

Pool: Names: BASIN FRUITLAND COAL (GAS)

Gas 71629

BLANCO-MESAVERDE (PRORATED GAS)

Gas 72319

OTERO CHACRA (GAS)

Gas 82329

Reference is made to your recent application for an exception to Rule 12.9A of the Division Rules and Regulations to permit the above-described well to commingle production from the subject pools in the wellbore.

It appearing that the subject well qualifies for approval for such exception pursuant to the provisions of Rule 12.11A., and that reservoir damage or waste will not result from such downhole commingling, and correlative rights will not be violated thereby, you are hereby authorized to commingle the production as described above and any Division Order which authorized the dual completion or otherwise required separation of the zones is hereby placed in abeyance.

In accordance with Division 12.11A.(6), the production attributed to any commingled pool within the well shall not exceed the allowable applicable to that pool.

The Fruitland Coal Gas production shall be the remainder after subtracting Mesaverde Gas and Chacra Gas production from total well production. The Mesaverde and Chacra gas production shall be from established decline rates.

REMARKS: The operator shall notify the Division's district office upon implementation of commingling operations.



Administrative Order DHC-4130 FOUR STAR OIL & GAS CO 12/6/2008 Page 2 of 2

Pursuant to Rule 12.11B, the commingling authority granted herein may be rescinded by the Division Director if conservation is not being best served by such commingling.

MARK E. FESMIRE, P.E.

Director

MEF/wvjj

cc: Oil Conservation Division - Aztec

Bureau of Land Management - Farmington-



MidContinent BU
Chevron North American
Exploration and Production
1400 Smith St, Rm. 47116
Houston, Texas 77002
Tel 713-372-1708
Kristen.Hunter@chevron.com

May 15, 2014

Certified Mail: 7013 2630 0001 2327 6780

MorningStar Partners, L.P. Cross Timbers Energy, LLC 400 West 7<sup>th</sup> Street Fort Worth, Texas 76102

RE: Downhole Commingle Blanco 1A (API 30-045-30204)-producing from the Chacra and Mesaverde Blanco 3A (API 30-045-30214)-producing from the Mesaverde Section 1: T27N, R9W, San Juan County, NM

#### Dear Working Interest Owner:

Four Star Oil & Gas Company would like to inform you that it intends to downhole commingle Fruitland Coal production, in which it owns a 100% Working Interest, with current production in the above referenced wells. As a Working Interest Owner in the current production from the wells, you are entitled to notice of the enclosed C-107A Downhole Commingling Application. Also enclosed are the procedures and wellbore diagrams for the completions.

Per previous conversations, MorningStar Partners, L.P. has already reviewed the procedure and has neither objected to nor has offered further suggestions for the potential commingle. If there are in fact no objections or further suggestions to the procedure within 20 days, Four Star Oil & Gas Company will file the Downhole Commingling Application for approval.

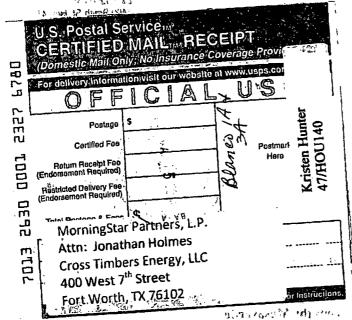
Should you have any technical questions, please feel free to contact Jim Micikas at 505-333-1913. For other question or concern, you can reach me at 713-372-1708.

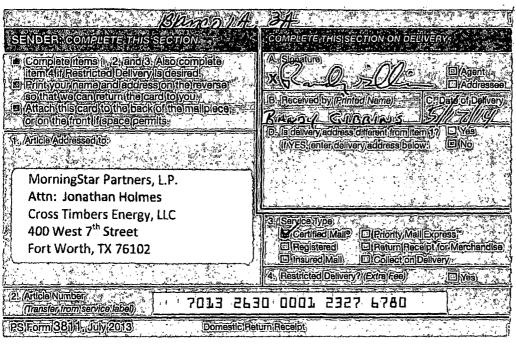
Thank you,

Kristen Hunter
Land Representative

Krista Strutte

San Juan Basin





#### Chevron Blanco 1A San Juan County, New Mexico Current Schematic as of 9 October 2013 30-045-30204 Legals: Sec 1 - T 27N - R 9W Field: Blanco Pictured Cliffs 2020 Spud Date: 6/22/00 KR Floy 5905 Compl Date: 7/28/00 GR Elev 5893' Last Wellwork: 8/23/07 Sqz braden head w/ 20 bbis HES Superflush 101 w/ 420 gais Flo-Check A, 5 bbls fresh water spacer, and 100 sxs of Class G neat cement w/ 0.1% Versaset, Yield 1.19, 15.6 ppg (total 21 bbls cement pumped) Surface Casing: 8-5/8" 32# J-55 Set @ 335' in 12-1/4" hole Cmt'd with 280 sks Class G TOC = 0' (Circ 22 bbls to surface) Tubing Details (4/10/08) 139 jts 2-3/8" 4.7#/ft J-55 1 Baker "F" nipple 1.78" profile 4' x 2-3/8" pup jt Wireline re-entry guild EOT = +/ -4356 Pumped 100 sxs Mountain G neat cement., YLD 1.18, WT 15.6 under cement retainer set @ 2996'. Hesitate sqz 1 bbl below retainer TOC = ~2900' based on CBL (March 2008) Chacra Perforations (April 08) ~2972' - 2976')Frac w/ 1200 gals acid and 72 bio-balls ~2998' - 3002' Total 1150 sxs 20/40 Brady sand (1080 sxs ~3118' - 3124' coated w/ Expedite). Max psi = 2252. Max rate = 49 bpm ~3129' - 3136' F.G. = 0.9. ~3141' - 3144' Mesaverde Perforations: 3916' - 3918' Stage 2: Perf 2 SPF 3934' - 3936' Foam frac w/ 732mcf N2 3952' - 3954' & 113,243# 20/40 Brady Sand 3988' - 3990' & 250# of propnet 4018' - 4022' 4052' - 4054' 4101' - 4103' Stage 1: Perf 2 SPF 4203' - 4205' Foam frac w/ 749mcf N2 4302' - 4304' & 105,334# 20/40 Brady Sand 4338' - 4342' 4384' - 4386' 4478' - 4480' Acidized MV perforations w/ 2000 gais 15% HCl acid & 75 bio-balls @ max rate of 5 bom 1300 nsi PBTD = 4538' Prod Csg: 5-1/2" 15.5# J-55 Set @ 4585' in 7-7/8" hole TD = 4587Cmt'd with 630 sks 9.5ppg LiteCrete Cmt; Lost returns TOC = ~2900' based on CBL Prepared by: Joy Leopold Revised by: Prannay Parihar

10/9/2013

EC is Missing Proposed Well bore Diagram

Date:

8/28/2007