Phone: (575) 393-6 District II		5) 393-0720 .(State of New Mexico Encrgy Minerals and Natural Resources						Form C Revised July 18.		
811 S. First St., Ar Phone: (575) 748-1 District III					Oil Conserva	ation Divisio	on		AMENDE <mark>D</mark> REPC		
1000 Rio Brazos R Phone: (505) 334-6					1220 South S	it. Francis I)r.				
District IV 1220 S. St. Francis		Ŷ.			Santa Fe.	NM 87505					
Phone: (505) 476-3	3460 Fax: (505) 476-3462			· · · · · · · · · · · · · · · · · · ·						
APPLI	CATIO	N FOR	PERMIT T	O DRILI	L, RE-ENTEI	R, DEEPÉI	N, PLUGBAC	K, OR AD	D A ZONE		
		-	Operator Name a	and Address		:		² OGRID Num 229137			
		On	COG Operatin e Concho Center, 60 Midland, TX	0 W. Illinois A	/ Illinois Ave			³ API Number			
⁴ Prone	rty Code	•	τ		Property Name	Jame		30-015-24067			
					Black River State				1		
UL - Lot	Section	Township	Daura	[Surface Locatio	T	Part Carro	EAVIE	County		
K K	5	Township 24S	Range 27E	Lot Idn	Feet from 1980	N/S Line South	Feet From 1980	E/W Line West	County Eddy		
					osed Bottom Ho	le Location					
UL - Lot	Section	Township	Range	Lot Idn	Feet from	N/S Line	Feet From	E/W Line	County		
				L							
		į.		9.	Pool Informatio	n .	·				
:					ool Name River: Penn				Pool Code 72200		
			,		onal Well Inform	mation			· ·		
^{11,} Wor		1 1	12 Well Type	Additi	13 Cable/Rotary		¹⁴ Lease Type	15. G	round Level Elevation		
	3 ultiple		G		Rotary	S 3209 ¹⁹ Contractor ²³ Spud I			3209		
		¹⁶ Multiple ¹ ¹⁷ Proposed Depth ¹⁸ Form N ¹⁶ 12,500' Penn Shale									
		<u> </u>							4/1/14		
Depth to Grou	ind water		Dista		Shale st fresh water well		Distance	to nearest surfac			
		closed-loo	Dista p system in lieu o	nce from near		· · · · · · · · · · · · · · · · · · ·	Distance	to nearest surfac			
		closed-loo	p system in lieu o	nce from near		ent Program		to nearest surfac			
	e using a o	closed-loo	p system in lieu o	nce from neard f lined pits Proposed (st fresh water well	tent Program Setting Depth					
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Procedure:

1) Ensure all permits and procedures have been approved

- 2) Survey area to determine well location
- 3) Install anchors
- 4) MIRU
- 5) Dig out well
- 6) Weld on 10 3/4" wellhead
- 7) Install BOP
- 8) Pick up 6 1/4" mill tooth bit and drill out top surface plug (Surface 95')
- 9) Circulate well clean
- 10) Continue on to drill out cement plug from 296' 473'
- 11) Circulate well clean
- 12) Continue on to drill out plug from 2008' 2236'.
- 13) Circulate well clean
- 14) Continue on to drill out plug from 3883'-4032'
- 15) Circulate well clean
- 16) Continue on to drill out plug from 4714'-4679'
- 17) Circulate well clean
- 18) Continue on to drill out plug from 5500'-5465'
- 19) Circulate well clean
- 20) Drill out plug from 8620'-8655'
- 21) Pick up 3 3/4" mill tooth bit and attempt to get in 4 1/2" casing
- 22) Circulate well clean & TOH
- 23) Run 36 arm caliper from 10,915' to top of 4 1/2" liner @ 8654'
- 24) Set removable bridge plug @ 9064', cmt retainer @ 8642', cmt squeeze Bone Spring perfs 8692'-8964'
- 25) Drill out cmt, test 4 1/2" liner to 8000 psi
- 26) Dress 4 1/2" liner top @ 8654'
- 27) Set packer w/seals into liner top w/4 1/2" (11.5# P110) liner and DV tool
- 28) Cmt new 4 1/2" liner through DV tool 8654'-surface.
- 29) Perforate Penn Shale
- 30) TIH w/tbg and packer. Acidize zone with 1,500 gallons 15% NE HCl at 3 5 BPM.
- 31) Shut-in 1 hour & flow back
- 32) Frac well utilizing attached procedure.
- 33) Shut-in well for 24 hours
- 34) Flow well back
- 35) TIH with tubing and packer
- 36) Circulate packer fluid
- 37) Pressure test the tubing
- 38) Tree up wellhead
- 39) Place well on test

District 1 1 1625 N. French Dr., Habbs, NM 88240 Phone: (575) 393-6161 Fax: (575) 393-0720 District II 811 S. First S1, Artesia, NM 88210 1940 Phone: (575) 748-1283 Fax: (575) 748-9720 District III 1000 Rio Brazos Road, Artee, NM 87410 Phone: (505) 334-6178 Fax: (505) 334-6170 District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505 Phone: (505) 476-3460 Fax: (505) 476-3462

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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

		W	ELL LO	CATION	AND ACRI	EAGE DEDIC.	ATION PLA	Т		
¹ API Number				² Pool Code		³ Pool Name				
30-015-24067				72200		Black River; Penn				
⁴ Property Code					⁵ Property N	rty Name			⁶ Well Number	
37857					Black River	State		1		
'OGRID	No.				⁸ Operator N	ame	· · · · · · · · · · · · · · · · · · ·		Elevation	
22913	229137				COG Operatio	ng LLC		3209'	3209'	
					" Surface L	ocation				
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County	
К	5	245	27E		1980	South	1980	West	Eddy	
		;	" Bot	tom 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	
¹² Dedicated Acre 320	es ¹³ Joint g	r Infill ¹⁴ C	consolidation C	ode ¹⁵ Ord	er No.	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.

16			" OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete
			t hereby certy, indi the injormation contained herein is true and complete to the best of my knowledge and belief, and that this organization either
			owns a working interest or unleased mineral interest in the land including
i		,	the proposed bottom hole location or has a right to drill this well at this
			location pursuant to a contract with an owner of such a mineral or working
			interest, or to a voluntary pooling agreement or a compulsory pooling
			order heretofore entered by the division.
		· · · · · · · · · · · · · · · · · · ·	
		· · · · ·	<u>5-1/</u> 3/10/14
	÷		Signature Date
			Brian Maiorino
		ι.	Printed Name
			bmaiorino@concho.com E-mail Address
		i	c-mail Address
		·····	
			"SURVEYOR CERTIFICATION
			I hereby certify that the well location shown on this
1980'			plat was plotted from field notes of actual surveys
	> 0		made by me or under my supervision, and that the
			same is true and correct to the best of my belief.
	1	 	Date of Survey
			Signature and Seal of Professional Surveyor:
	{		
	1980'		Refer to Original Plat
			Certificate Number
			Contracto (Control

	14 43 11		ie 1994 - 1995 - 1996 - 1996 - 1996 - 1996 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 19	<u></u>	Description	O.D.
Author: Well Name	Maiorino Black River St	 Well No.	#1		Surface Csg	16
Field C o unty	Black River Eddy	API #: Prop #:	30-015-24067	7	Inter Csg	10 3/4
State Date	New Mexico 2/27/2014	Zone:	Penn Shale		Prod Csg	7 5/8
GL KB	3209'				Liner	4 1/2
Cmt plug 2132'-21	296'-473' 2008-2236' 46' Delaware 98' Delaware		2 12500'	4 sx ci CIBP (11998 6 1/2"	18 1/2" hole 16" (H40 - 65 TOC @ s TOC @ s 14 3/4" hole 10 3/4" (K55 TOC @ s 383'-4032' Cmt plu 174' Delaware 550' Delaware mt plug 4714-4675 18P @ 4714' 764'-4774' Delaware V 5438' mt plug 5500'-546 18P @ 5500 534'-5539' 434'-6650' Bone S 128'-7200 Bone S 128'-720'-8964' Bone S 128'-75/8'' (S95'-33.7'' 128'-75/8'' (S95'-33.7'' 128'-72256' Morrow	At Wellbore . #) @ 350' .urface - 40.5#) @ .urface .g .g .g .g .g .g .g .g .g .g
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Description	O.D.	Grade	Weight	Depth	Cmt Sx	тос
Surface Csg	16	H40	65	350	350	Surface
Inter Csg	10 3/4	K55	41	2,110	1700	Surface
Prod Csg	7 5/8	S95	33.7, 39	9,171	1,950	Surface
Liner	4 1/2	S95	13.50	12,500	625	8654

0' w/350 sx

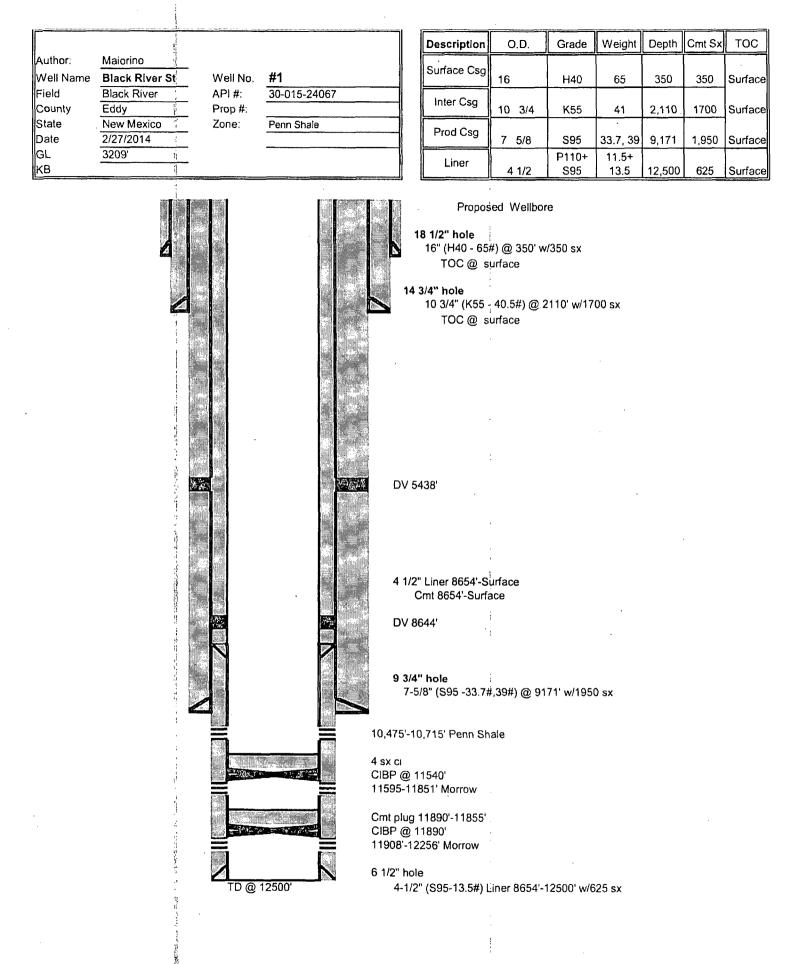
@ 2110' w/1700 sx

9171' w/1950 sx

54'-12500' w/625 sx

O:\Regulatory\Basin\Recompletions\Black River St 1\Black River St 1 current wellbore

,



O:\Regulatory\Basin\Recompletions\Black River St 1\Black River St 1 proposed wellbore