*<u>District I</u> 1625 N. French Dr., Hobbs, NM 88240 Phone: (575) 393-6161 Fax: (575) 393-0720

District II 811 S. First St., Artesia, NM 88210 Phone: (575) 748-1283 Fax: (575) 748-9720

District III
1000 Rio Brazos Road, Aztec, NM 87410 Phone: (505) 334-6178 Fax: (505) 334-6170

District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico

Form C-101 Revised July 18, 2013

☐AMENDED REPORT

NM OIL CONSERVATION or all Natural Resources

DEC 28 2016

ARTESIA DISTRICT Oil Conservation Division

1220 South St. Francis Dr.

Santa Fe, NM 87505

Phone: (505) 476-			DE:		-EYAI		DE EN	TED N	FEDEN	(6 [1	ICDAC	V Ap	4 DD	A ZONE				
AFFLI	CATIC	IN FUR	^{1.} Ope	erator Name	and Add	ress	KE-EN	(IEK, D	<u> LEFEN</u>	,(1)	UGBACI	-6GRID 162€	Number	A ZUNE				
			Cimare 2	ex Energy Co 02 S. Cheyer Tulsa, OK	o. of Colonne Ave 74103	orado				-		3 API N 30015-	umber					
4. Prope	erty Code		r				Property N	lame				30013	% Well	No				
29	erty Code 9000						Property N Echols Co						2	140.				
			1		1		ırface Lo											
UL - Lot M	Section 12	Township 23S		Range 26E	Lo	t Idn	Feet fro		I/S Line South	F	eet From 990	E/W L: Wes		County Eddy				
				<u> </u>	8.]	Propos	ed Bottor	n Hole Loc		<u> </u>				<u> </u>				
UL - Lot	Section	Township		Range	Lot Idn Feet from				I/S Line	F	eet From	E/W L	ine	County				
					•	9. Pc	ool Infori	nation					•					
Carlsbad; Straw	n, South (Gas	s)				Pool	Name							Pool Code 74120				
						ddition	al Wall I	nformation	•									
	rk Type P		12.	Additional Well In 12. Well Type Gas Additional Well In 13. Cable/Ro						^{14.} Lease Fe			15 Ground	Ground Level Elevation 3258				
^{16.} M	ultiple		17 Proposed Depth PBTD: 10941' Strawn					tion		19. Cont				Spud Date				
Depth to Grou	und water:			Dista	nce fron	nearest	fresh water	well			to nearest s	nearest surface water						
□We will b	e using a		-	em in lieu o osed Casi		=	nt Progra	am	*Csg	previo	ously set							
Туре	Hol	e Size		ing Size	Size Casing Weight/ft			Settir		Sacks of C	Cement		Estimated TOC					
*Surf	1	7.5	13	13-3/8"		48		4	187	87 49				surf				
*Int	12	2.25	9-	9-5/8"		40		3	188	88 130				surf				
*Prod	8	.75	5-	5-1/2"		17		12045 Additional Comments			180	0		2020				
				Casir	ig/Cen	nent Pr	ogram: A	Additional	Commer	its	*****			80 L				
				22.	Propo	sed Blo	owout Pr	evention P	rogram									
	Туре		Working Pressure						Test Pre	essure			Manufacturer					
23. I hereby certify that the information given above is true and complete to the best of my knowledge and belief. I further certify that I have complied with 19.15.14.9 (A) NMAC and/or									OIL CONSERVATION DIVISION									
19.15.14.9 (I Signature:	B) NMAC	have comp	icable.	M.L.	.9 (A) N	MAC 🗵	Approved By: Sayus											
Printed name	eTerri Stath	iem		\'				Title: D	 	X	PERL	1150	2					
Title: Mana	ger Regulat	ory Compli	ance	ノ 				Approved I	Date 29	DEL	. 16 E	xpiration I	Date 2	DELIB				
E-mail Addr	ess: tstathe	em@cimare	x.com															
Date: 12-27-2016 Phone: 432-620-1936									Conditions of Approval Attached									

^{*}Casing previously set - no new casing

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District IV
1220 S. St., Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

30015-32286

990'

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

3 Pool Name

Date of Survey

Certificate Number

Signature and Seal of Professional Surveyor:

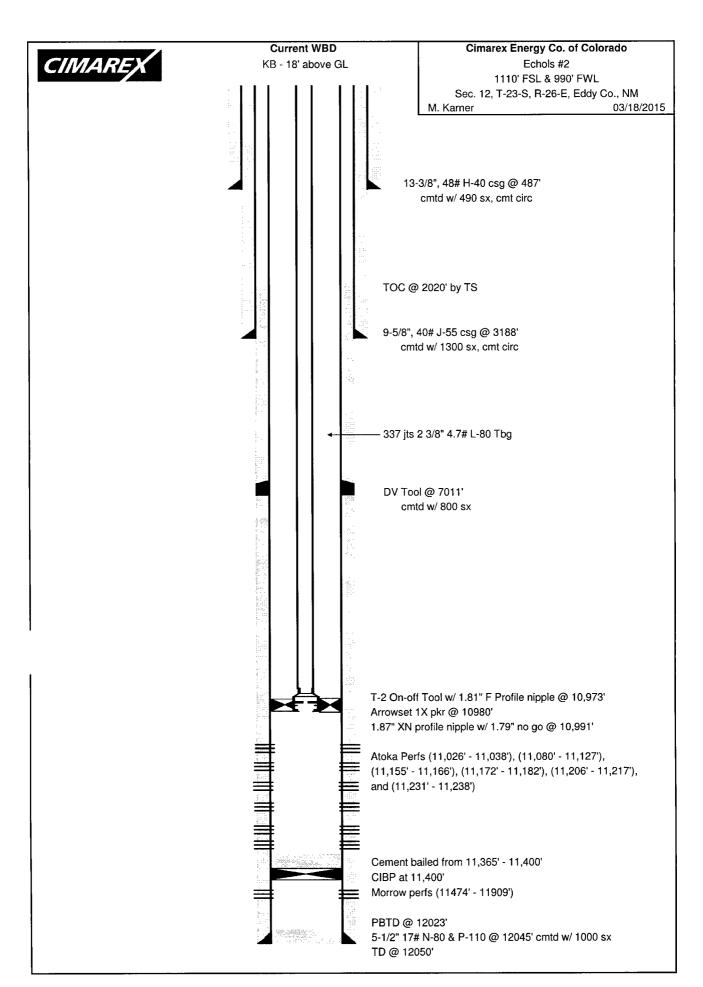
Carlsbad; Strawn, South (Gas)

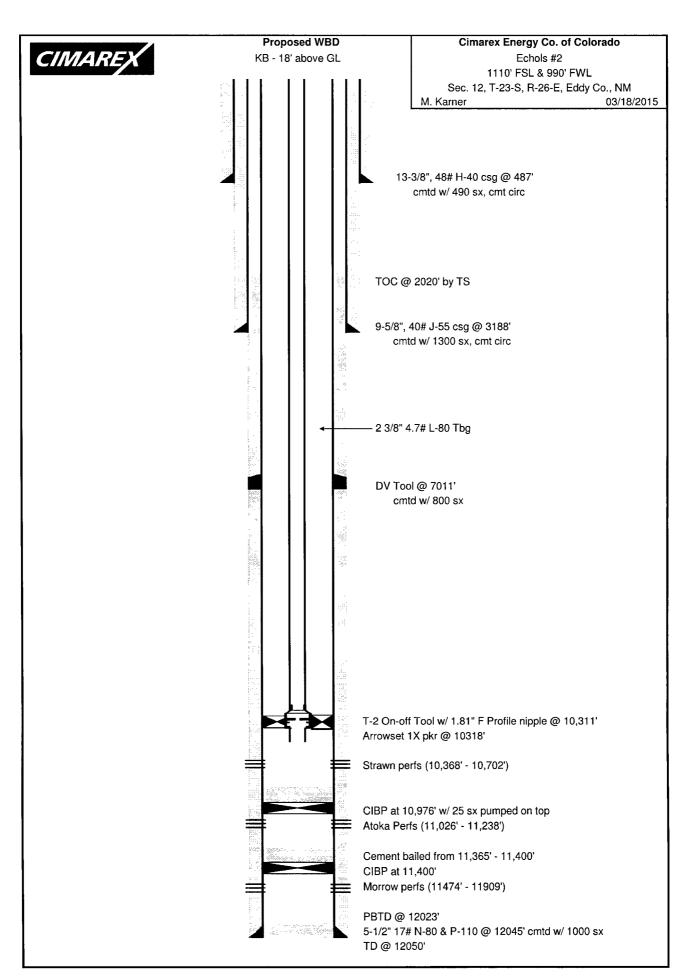
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² Pool Code

74120

⁴ Property C 29000	Code _/				Ec	ho	ls Com"	Name		,	/	2'	Yell Number
⁷ OGRID 1 16268			(Cima	arex	Eı	nergy of	f Colorad	0	<u>ر</u>			'Elevation 3258'
							Surface 1	Location					
UL or lot no. M	Section 12	Township 23		Range 26E	Lo	t Idn	Feet from the 1110	North/South line South	1	eef from the 90		I/West line Vest	County Eddy
				" Bo	ottom	Hol	e Location If	Different Fron	n Sui	face			
UL or lot no.	Section	Township	9	Range	Lo	i ldn	Feet from the	North/South line	F	eet from the	East	l/West line	County
12 Dedicated Acres	i ¹³ John o	r Infill	14 Con	solidation	Code	15 Ore	ler Nø.		L			!	To the state of th
No allowable v	will be as	signed to	this	comple	tion un	til al	l interests have	been consolidated	or a n	on-standa	rd unit ha	s been ap	proved by the
16										I hereby certify to the best of r owns a workin the proposed I location pursu interest, or to order heretofo Signature Printed Name E-mail Address	y that the utform ny knowledge at ng interest or uni- notion hole lace a voll neary poor Terrice tstathe	nation cantains ad helief, and t leased numeral ation or has a r sist with an owne ting agreement tivylion. Stathe m@cim.	arex.com
										I hereby co plat was p made by n	ertify that th lotted from te or under	ie well locd field notes my supervi	IFICATION ution shown on this of actual surveys ision, and that the est of my belief.







Echols Com 2 Strawn Recompletion Procedure Michael Karner 12/14/16

Well Data

KB 18'

TD 12,050' PBTD 11,365'

Casing 13-3/8" 48# H-40 @ 487'. Cmt'd w/ 490 sx, cmt circ

9-5/8" 40# @ 3,188'. Cmt'd w/ 1,300 sx, cmt circ

5-1/2" 17# P-110 & N-80 @ 12,045'. Cmtd w/ 1,800 sx. TOC @ 2,020' by TS

Tubing 2-3/8" 4.7# L-80 8rd, EOT @ 10,974'

Current Prod. Perfs Atoka (11,026' – 11,238')

Proposed RC Perfs Strawn (10,368' – 10,702')

Procedure

Notify NMOCD 24 hours prior to starting operations.

- 1. Test anchors prior to moving in rig.
- 2. Move in rig up pulling unit.
- 3. Kill well as necessary with 7% KCl.
- 4. Nipple down wellhead, nipple up 5,000 psi blow out preventer stack.
- 5. TOOH w/ 2-3/8" 4.7# L-80 tbg. Stand back tbg. Scan tubing during TOOH.
- 6. TIH w/ CIBP on 2-3/8" tbg to set CIBP at +/- 10,976'
- 7. Pump 25 sx cement down tbg on top of CIBP at +/- 10,976'. Abandon Atoka.
- 8. TOOH 1,000'
- 9. Reverse circulate 2 tbg volumes
- 10. WOC 6-8 hours
- 11. TOOH w/ tbg and stand back tbg
- 12. Test casing to 5,000 psi on chart for 30 minutes with no more than 10% leakoff.
- 13. RIH w/ 4.6" gauge ring and junk basket on electric line to +/- 10,702'
- 14. RIH with 3-1/8" casing guns on electric line and perforate Strawn from 10,368' 10,702'
- 15. RIH w/ BHA described below to set packer at 10,318'. From downhole up:
 - a. 2-3/8" WEG
 - b. 2-3/8" pump out plug pinned for 1,500 2,000 psi differential pressure
 - c. 1.875" XN profile nipple
 - d. 10' 2-3/8" 4.7# L-80 tbg sub
 - e. 5-1/2" x 2-3/8" Arrowset 1X packer and on-off tool stinger w/ 1.875" X profile nipple

Page 2 – Echols Com 2

- 16. RD WL and lubricator
- 17. TIH w/ on/off tool overshot, GLVs, and 2-3/8" 4.7# L-80 tbg. Hydrotest in hole to 8500 psi.
- 18. Latch overshot onto on-off tool and space out tubing
- 19. ND BOP, NU WH
- 20. RDMO pulling unit
- 21. RU pump truck and pump out plug
- 22. MIRU Propetro acid
- 23. Pump 19,000 total gallons of 15% NEFE HCl with 225 ball sealers down 2-3/8" tubing
- 24. Flush with 1 tubing volume 2% KCl
- 25. Put well on production. Swab well as necessary