District II	obbs, NM 88	<sup>32</sup> RECE		State of Sta	of New N ls and Na	lexico tural Reso	urces			Form C- May 27,		
						Division		Subm	nit to approp	riate District O		
<ul> <li>1301 W. Grand Avenu <u>District III</u></li> <li>1000 Rio Brazos Road <u>District IV</u></li> <li>1220 S. St Francis Dr.</li> </ul>	uth St. Fra Fe, NM	ancis Dr.			AMENDED REPO							
<b>APPLICA</b> 7	TION FO	)R PERMIJ	T TO DR	ILL, RE-	ENTER,	DEEPE	N, PLUC	BACK	, OR AD	D A ZONE		
Cimarex Energy	Co. of Col	Operator Name	e and Address						GRID Number 162683	-		
600 N. Marienfe	d, Ste. 60						-	<sup>3</sup> API Number				
Midland, TX 797	Property	Name		3	0-025-359 Wel							
300566	Willia	ims 34				00	)6 🖊					
	ci	<sup>9</sup> Proposed Pool 1 kaggs; Glorie	ta Nu	1				<sup>10</sup> Proposed Blinebry	Pool 2 y (existing	z)		
		Raggs, Giorie			Location	·		Difficienty	y (chisting	5/		
UL or lot no Section P 34						orth/South line South	Feet from <b>840</b>		ast/West line East			
		<sup>8</sup> Prop	osed Bottor	n Hole Loca	tion If Diff	erent From	Surface					
UL or lot no Section	Township	Range	Lot Idr	Feet fr	om the N	orth/South line	Feet from	the Ea	ast/West line	County		
			Add	itional We		ation						
<sup>11</sup> Work Type Cod A		<sup>12</sup> Well Type C O			ble/Rotary		<sup>4</sup> Lease Type (	P	<sup>15</sup> Ground Level Elevation <b>3567' GR</b>			
<sup>16</sup> Multiple Y					& Blinebr	v	<sup>19</sup> Contracto N/A	<sup>19</sup> Contractor N/A		<sup>20</sup> Spud Date When Approved		
Depth to Groundwater			Distance	Distance from nearest fresh water well					Distance from nearest surface water			
Closed-Loop S	System 🛛	Flowbacl 2		d Casing a				Diesel/Oil-ba	nsed Gas/.			
Hole Size	(	Casing Size	Casing we			ing Depth	S	acks of Cen	nent	Estimated TOC		
17½"		Casing Size 13³⁄8″ 9⁵⁄8″	Casing we	#		ing Depth 422' 5416'	S	acks of Cen 1050 1530	nent	Circ Circ		
17½" 12¼" 8¾" <sup>22</sup> Describe the propo	sed program	13%" 95%" 7"	48 40 29 1 is to DEEPE	# # EN or PLUG B	ACK, give th	422' 5416' 1000'		1050 1530 460		Circ Circ		
17½" 12¼" 8¾"	sed program prevention p producing on. DHC '5.' rieta 522 Acidize in	13%" 9%" 7" . If this application program, if any. Us from Blinebr application in 4'-5228', 524 6 stages with	48 40 29 is to DEEPE se additional : y perfs @ progress. 0'-5250', total of 7	# # BN or PLUG B sheets if necess 5384-577 5266'-5274 800 gal 159	4', 5276'- 6 HCl.	422' 5416' 1000' e data on the p ex propos 5280', 529 ith Blinebr	oresent produ es to add 02'-5296', y.	1050 1530 460 ctive zone a l Glorieta 5310'-5	and proposed a perfs an 324', 533' m Appro	Circ Circ new productive z d and DHC v 4'-5342' usir		
17½" 12¼" 8¾" 22 Describe the propo Describe the blowout Well currently p current producti •Set CIBP @ 537 • Perforate Glo SPF, 215 holes. A •Install pump test	sed program prevention p rroducing on. DHC '5.' rieta 522 Acidize in st and tes the informat	13%" 9%" 7" . If this application program, if any. U: from Blinebr application in 4'-5228', 524 6 stages with at for 2-4 week	48 40 29 is to DEEPE se additional y perfs @ progress. 0'-5250', total of 7 ks before p	# # BN or PLUG B sheets if necess 5384-577 5266'-5274 800 gal 159 proceeding	4', 5276'- 6 HCl.	422' 5416' 1000' e data on the p ex propos 5280', 529 ith Blinebr nit Expli	oresent produ es to ado p2'-5296', y. res 2 Y c less/Dri	1050 1530 460 ctive zone a l Glorieta 5310'-5	and proposed a perfs an 324', 533 <b>m Appro</b> derway	Circ Circ new productive z d and DHC v 4'-5342' usir		
17½" 12¼" 8¾" <sup>22</sup> Describe the propo Describe the blowout Well currently p current producti •Set CIBP @ 537 • Perforate Glo SPF, 215 holes. ↓ •Install pump test <sup>23</sup> I hereby certify that best of my knowledge constructed accordin	sed program prevention p iroducing on. DHC 5.' rieta 522 Acidize in st and tes the informat and belief. I g to NMOC	13%" 9%" 7" . If this application program, if any. U: from Blinebr application in 4'-5228', 524 6 stages with to given above is further certify th D guidelines _,	48 40 29 is to DEEPE se additional y perfs @ progress. 0'-5250', total of 7 total of 7 total of 7 total of 7 total of 7 total of 7 true and com	# # # BN or PLUG B sheets if necess 5384-577 5266'-5274 800 gal 159 proceeding plete to the g pit will be	4', 5276'- 6 HCl.	422' 5416' 1000' e data on the p ex propos 5280', 529 ith Blinebr mit Expli Date Un OIL C	oresent produ es to add 02'-5296', y.	1050 1530 460 ctive zone a l Glorieta 5310'-5	and proposed a perfs an 324', 533' m Appro	Circ Circ new productive z d and DHC v 4'-5342' usir		
17½" 12¼" 8¾" <sup>22</sup> Describe the propo Describe the blowout Well currently p current producti •Set CIBP @ 537 • Perforate Glo SPF, 215 holes •Install pump te: <sup>23</sup> I hereby certify that best of my knowledge constructed accordin an (attached) alterna Signature	sed program prevention p rroducing on. DHC 5.' rieta 522 Acidize in st and tes the informat and belief. I g to NMOC tive OCD-a	13%" 9%" 7" . If this application program, if any. U: from Blinebr application in 4'-5228', 524 6 stages with the for 2-4 week non given above is further certify the D guidelines, pproved plan	48 40 29 is to DEEPE se additional y perfs @ progress. 0'-5250', total of 7 total of 7 total of 7 total of 7 total of 7 total of 7 true and com	# # # BN or PLUG B sheets if necess 5384-577 5266'-5274 800 gal 159 proceeding plete to the g pit will be	1 ACK, give th sary. 1.' Cimar 4', 5276'-! % HCl. to DHC w	422' 5416' 1000' e data on the p ex propos 5280', 529 ith Blinebr mit Expli Date Un OIL C by.	oresent produ es to ado p2'-5296', y. res 2 Y c less/Dri	1050 1530 460 ctive zone a Glorieta 5310'-5	and proposed a perfs an 324', 533' <b>m Appro</b> derway N DIVISI	Circ Circ new productive z d and DHC v 4'-5342' usir		
17½" 12¼" 8¾" <sup>22</sup> Describe the propo Describe the blowout Well currently p current producti • Set CIBP @ 537 • Perforate Glo SPF, 215 holes. • Install pump te: <sup>23</sup> I hereby certify that best of my knowledge constructed accordin an (attached) alterna Signature. Printed name: Nata	sed program prevention p rroducing on. DHC 5.' rieta 522 Acidize in st and tes the informat and belief. I g to NMOC tive OCD-a	13%" 9%" 7" . If this application program, if any. U: from Blinebr application in 4'-5228', 524 6 stages with the for 2-4 week non given above is further certify the D guidelines, pproved plan	48 40 29 is to DEEPE se additional y perfs @ progress. 0'-5250', total of 7 total of 7 total of 7 total of 7 total of 7 total of 7 true and com	# # # BN or PLUG B sheets if necess 5384-577 5266'-5274 800 gal 159 proceeding plete to the g pit will be	ACK, give th sary. 1.' Cimar 4', 5276' % HCl. to DHC w PCC Approved Title	422' 5416' 1000' e data on the p ex propos 5280', 529 ith Blinebr mit Expli Date Un OIL C by. PETRO	oresent produ es to ado p2'-5296', y. res 2 V c less/Dri CONSER	1050 1530 460 ctive zone a Glorieta 5310'-5 rs Froi VATIO	and proposed a perfs an 324', 533 <b>m Appro</b> derway N DIVISI	Circ Circ new productive z d and DHC v 4'-5342' usir		
17½" 12¼" 8¾" <sup>22</sup> Describe the propo Describe the blowout Well currently p current producti • Set CIBP @ 537 • Perforate Glo SPF, 215 holes • Install pump te: <sup>23</sup> I hereby certify that best of my knowledge constructed accordin an (attached) alterna Signature	sed program prevention p rroducing on. DHC 5.' rieta 522 Acidize in st and tes the informat and belief. I g to NMOC tive OCD-a falue ie Kruege	13%" 9%" 7" . If this application program, if any. U: from Blinebr application in 4'-5228', 524 6 stages with 6 stages with to given above is further certify th D guidelines, pproved plan	48 40 29 is to DEEPE se additional y perfs @ progress. 0'-5250', total of 7 total of 7 total of 7 total of 7 total of 7 total of 7 true and com	# # # BN or PLUG B sheets if necess 5384-577 5266'-5274 800 gal 159 proceeding plete to the g pit will be	ACK, give th sary. 1.' Cimar 4', 5276'- 6 HCl. to DHC w Per Approved	422' 5416' 1000' e data on the p ex propos 5280', 529 ith Blinebr mit Expli Date Un OIL C by. PETRO	oresent produ es to ado p2'-5296', y. res 2 V c less/Dri CONSER	1050 1530 460 ctive zone a Glorieta 5310'-5 rs Froi VATIO	and proposed a perfs an 324', 533' <b>m Appro</b> derway N DIVISI	Circ Circ new productive z d and DHC v 4'-5342' usir		

DISTRICT I P. O. Box Hobbs, NM						State of New Mexico rgy, Minerals, and Natural Resources De, _rtment								Revised	Form C-102 Revised 02-10-94 Instructions on back	
DISTRICT II P. O. Drawer DD Artesia, NM 88211				Æ		CONS	ERV	AT	ION I	DI	VISIO	N		Submit to the District Office State Lease — Fee Lease — :	4 copies	
Artesia, NM 88211 RESCEN DISTRICT III 1000 Rio Brazos Rd. JUN 04 Aztec, NM 87410 HOBBS				ζŪΊ QC	DSan	ita Fe,	P. O. New	Box Mex	: 2088 ico 87	<b>5</b> 04	4-2088	5	[	AMENDED	REPORT	
DISTRICT F P. O. Box Sonta Fe, M	2088					ATION A							PLAT			
' API Number 30-				2 P	<sup>2</sup> Pool Code 97203 Skaggs; Glorieta								41			
+ Property Co			** Property N	ame						_,. <u>_</u> , a		50-		• Well Number		
3005							WILL	IAM	S "34"					6		
7 DGRED No.			* Operator N	ame			<u> </u>				• • •			<sup>o</sup> Elevation		
1626	83					Cimare	x Ener	gv C	o. of Col	ora	do			3587	L.	
1020	.05		L						CATION							
UL or lot no.			Township 19 SOUTH	97	Ran	€* N.M.P.M.	Lot Ida	Feet	from the 330'	Nor	th/South SOUTH	line	Feet from the 840'	East/West line EAST	County LEA	
P	3.	*				LOCATI		ותי				SI	· ·			
UL or lot no.	Sect	ion (	Township	,	Ran								Feet from the	East/West line	County	
OL OF ICC RO.	. 360		10*18105		TUBLI	<b>5</b> 4								•		
12 Dedicated	CTOR	13 Joi	nt or Infill	14 C	onsolidat	ion Code	<sup>15</sup> Order	No.	•		חח	с D,	onding			
40										1 777			ending	VF DEFN		
•	NO	ALL CON	OWABLE WI	للاء OF	BE AS: A NOI	SIGNED TI N-STANDA	RD UN	IT E	AS BEEN	IU I	PPROVED	) B.	ITERESTS HA Y THE DIVISI	ION		
. 18						1						7		R CERTIFIC.	ATION	
						Ì			ĺ					ify that the inf		
			Ì						ĺ				contained here	ein is true and my knowledge a	complete	
						1			l l				Signabure			
			İ			•			Ì				Pfinted Name	<u> </u>		
			 			 			 		<b>.</b>	╷╽	Z	eno Farris		
						1							Mgr Operat	ions Adminis	tration	
			I			1			1				Dato (	5/3/2010		
						1			1			Ì			TON	
			1			Ì								R CERTIFICA		
	<b></b>		 • ++			! -+			 				location sho	wn on this p field notes of	lat was	
			,			1			}				surveys ma	de by me or	under	
						İ			i				- my supervi - same is tru	sion, and the and correct	to the	
			i			I			I				best of my			
			1			1			1				Dats of Survey			
						1			1				MA Signature and	Y 3, 2002		
1			- +		,	+			+		an an an an an an an an an an an an an a		Professional St		-	
			1			1							E.			
			1			1										
						1							HA .	VC/ Jan Sta		
			i			i				\	-840'		Certifique No.	1/12all	- <b>9-0</b> 2	
			I			1			1 330 (				V. L. BEZN	ER VR.P.S.	#7920	
						1				<u> </u>	· ·	Ø	JOB # 8162	0 / 70 SW ,	/ J.C.P.	

<u>DISTRICT I</u> P. O. Box 1 Hobbs, NM	1980 8824	l-19	80	Ene	rgy, M				w Mexico al Resour	ce:	9 De, rtn	hent	Revised	07-102 02-10-94 ns on back	
<u>DISTRICT II</u> P. O. Drawe Artesia, NM <u>DISTRICT II</u> 1000, Sia Bi	r DD 8821 I R	EC Rd	ENE			]	P. O.	Bo	ION I x 2088			I	Submit to the District Office State Lease – Fee Lease – 3	4 copies	
1000 Rio Br Aztec, NM & DISTRICT IN P. O. Box 2	7410	JÜŇ JOB	BROCL	)	San	ta Fe,	New	Me:	xico 878	504	4-2088		AMENDED	REPORT	
P. O. Box 2 Santa Fe, N	20885 Im 87	507-	-2088 W	ELL	LOC	ATION A	AND A	CR	EAGE DI	EDI	<b>CATION</b>	PLAT			
' API Number				2 Pool Code 3 Pool Name											
		025-35911			63	780					Weir	; Blinebry	• Well Number		
• Property Co 3005		1	Property N	ame			WILL	IAN	1S "34"				6		
OGRED No.	00		Operator N	me		•							* Elevation		
1626	83					Cimare	ex Ener	gy (	<u>Co. of Colo</u>	ora	<u>do</u>		3587	1	
						" SUI	RFACE	L	CATION						
UL or lot no.	Section		Township		Rang		Lot Ide	Fo		Nor			East/West line	County	
Р	34	1	9 SOUTH	37	EAST,	N.M.P.M.			330'		SOUTH	840'	EAST	LEA	
			"BOTTO	M	HOLE	LOCAT	ION I	e D	IFFEREN	ĮΤ	FROM S	URFACE			
UL or lot no.	Section	on	Township		Rang	ĉ	Lot Ide	. Ye	et from the	Nor	th/South lin	e Feet from the	East/West line	County	
			or infill	14 /7	nsolidati	6-4-	15 Order	 					]		
<sup>12</sup> Dedicated A 4 ()	CLGE	~ 10III	, or main	60		OT CORS	" order	110.			DHC	Pending			
40		ALLO	WARLE WE		BE ASS	IGNED T	O THIS	CO	MPLETION	บา		INTERESTS HAV	E BEEN		
												BY THE DIVISI			
	·		· · · · · · · · · · · · · ·		· · · · · · · · · · · · · · · · · · ·	                                   						I hereby certil contained here to the best of Significant Printed Name Zer Title Mgr Operati Date 6 SURVEYOR I hereby ce location show plotted from surveys made my supervise same is true best of my	Y 3, 2002	tration tration	
			     			     1			330'	_	·840'	Certificate No. V. L. BEZNE JOB # 81620	R MR.P.S.		

## Williams 34 - 6 Glorieta Recompletion Procedure API # 30025359110000 330' FSL & 840' FEL Section 34, T19S, R37E Lea County, Mew Mexico

<u>Well Data</u> :	
KB	17' above GL
TD	5900'
PBTD	5846'
Casing	8-5/8" 24# J-55 @ 1388'. Cmtd w/ 640 sx. Cmt circ.
	4-1/2" 11.6# J-55 @ 5900'. Cmtd w/ 955 sx. Cmt circ.
	DV Tool @ 3834
Perfs	Paddock (5384' – 5388', 5406'-5410')
	Blinebry (5718' – 5724', 5764' – 5771')

Procedure: Before RU Check Comingling Permit Status

•

- 1. MIRU pulling unit. TOOH w/ rods and pump. ND WH, NU BOP. TOOH w/ tbg.
- 2. RIH W / 3  $^{7}$ /<sub>8</sub> RB Bit and 4  $^{1}$ /<sub>2</sub>Scraper on 2  $^{3}$ /<sub>8</sub>" Tubing to PBTD'. TOOH W/ Bit, Scraper and Tubing.
- 3. RIH W/ 4  $1/_2$  CIBP on wireline and set at 5375'. Load CSG W/ 2% KCL Water and test to 500 #.
- 4. Run Wireline CBL from 5000 to at least 5450.
- 5. RIH W/ 3<sup>1</sup>/<sub>8</sub>" perforating guns. Perforate 5224'-5228', 5240'-5250', 5266'-5274', 5276'-5280', 5292'-5296', 5310'-5324', 5334'-5342' using 4 SPF, 215 holes. Depth reference log Jarrel Services Inc. Gamma Ray Casing Collar Log dated June 6, 2002. RD wireline.
- 6. TIH W/ PPI type Packer assembly on  $2\frac{3}{8}$ " Tubing Hydrotesting to 5000 psi
- 7-1. Acidize (5334'-5342') w/1200 gal 15% HCL

- 7-2. Release PPI and move up. Acidize (5310'-5324') w/2100 gal 15% HCL
- 7-3. Release PPI and move up. Acidize (5292'-5296') w/600 gal 15% HCL
- 7-4. Release PPI and move up. Acidize (5266'-5274') and (5276'-5280') w/1800 gal 15% HCL
- 7-5. Release PPI and move up. Acidize (5240'-5250') w/1500 gal 15% HCL
- 7-6. Release PPI and move up. Acidize (5224'-5228') w/600 gal 15% HCL
- 8. Displace acid w/ Water from Williams 34-3. Retrieve PPI bar and Reverse Circulate Annulus
- 9. Swab well until pH is greater than 4.5.

. . . .

- 10. Record fluid levels and oil cuts and report to Midland.
- 11. Scale squeeze per Vendor Recommendation.
- 12. TOOH W/ tubing and PPI Tools
- 13. RIH w/ 2  $\frac{3}{8}$  tubing and BHA Configured for pumping. Set @ 5355'
- 14. Pump test for 2-4 weeks then proceed to downhole comingling.