## District I 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

# State of New Mexico Energy Minerals and Natural Resources

Form C-101 May 27, 2004

Submit to appropriate District Office

Oil Conservation Division

District IV 1220 S. St. Fr	ancis Dr , Sa	anta Fe, NN	1 87505			ith St. Frai Fe, NM 87	505	00 15 20G AUG		AMENDED REPORT		
APPL	ICATIO	ON FOI			RILL, RE-I	ENTER, I	DEEPE	N, PLUEBA	CK, OR A	ADD A ZONE		
		C	Operator Name	TING I	LLC		OGRID Number 299137			137		
	55	0 W. Texas Midland, T	, Suite X 7970	1300 1		30-015-31014			ber 014			
Property Code 302502				Property Name Harper					° Well No 2			
	<sup>9</sup> Proposed Pool 1						10 Proposed Pool 2					
:			lls; Glorieta	ı-Yeso				•				
<sup>7</sup> Surface Locat												
UL or lot no P			Lot Idn Feet fro			/South line	Feet from the 990	East/West line East	e County Eddy			
	,		<sup>8</sup> Propo	sed Bott	om Hole Locat	ion If Differ	ent From	Surface				
UL or lot no	UL or lot no Section Township Range		Range	Lot Idn Feet fro		m the Nort	/South line	outh line Feet from the		e County		
			I	Ac	lditional We	ll Informa	tion					
	Work Type Code			de	13 Cable/Rotary Rotary		1	<sup>14</sup> Lease Type Code S		15 Ground Level Elevation 3672		
	Iultiple		O 17 Proposed Depth		<sup>18</sup> Fon	nation	<u> </u>	19 Contractor		20 Spud Date		
	N Depth to Groundwater		6000		Yeso e from nearest fresh water well			Distance from ne		As soon as approved nearest surface water		
			ule thick Clay				Drilling Me					
Pit*       Liner Synthetic      mils thick       Clay       Pit Volume:bbls       Drilling Method:         Fresh Water       ☑ Brine       ☐ Diesel/Oil-based       ☐ Gas/Air										☐ Gas/Air ☐		
			21	Propos	sed Casing a	nd Cemen	t Progra	m				
Hole Size					Casing weight/foot		Depth	Sacks of Ce	ment	Estimated TOC		
17-1/2		13-3/8		48		433		425				
12-1/4		8-5/8		24		1117		475				
7-7/8		5-1/2		17		4862		1020				
4-3/4		4		11.3		6000		115				
		2-7/8 tbg				4900						
					PEN or PLUG BA		lata on the	present productive z	one and propo	sed new productive zone		
	ee Attachr				PIT RULE							
				•	AC PAR							
			A form	C-144	must be app	proved						
			before	starting	drilling ope	erations.						
<sup>23</sup> I hereby ce	rtify that the	ınformatio	n given above is	true and co	omplete to the		OII (	CONICEDIA	PION DIV	UCIONI		
<sup>23</sup> I hereby certify that the information given above is true and complete to the best of my knowledge and belief. I further certify that the drilling pit will be constructed according to NMOCD guidelines, a general permit, or							OIL CONSERVATION DIVISION  Approved by Lewis L. Line					
			oroved plan .	r generar į	crimit, or	Approved by	Zem			,		
Printed name Kanıcia Carrillo			10 K			Mithiel II Segurotean						
Title. Regulatory Analyst				Approval Date 8/21/08 Expiration Date 8/11/16								
E-mail Addre	ess kca	ırrıllo@con	choresources.com	n			,			1-17-6		
	`		1			-						
Date: 08/14/08 Phone 432-685-4332						Conditions of Approval Attached						

#### Harper State 2

#### **Deepening Procedure**

- 1. MIRU rig.
- 2. PU 4-3/4" bit and drill 4-3/4" from 4880' to 6000'.
- 3. POOH w/ bit and drillstring.
- 4. RIH w/ logs and log from TD to 4800'.
- 5. RIH w/ 4", 11.3# casing.
- 6. Cement casing from TD to 4825' w/ 115 sxs Class C cmt.
- 7. RDMO rig.

### **Completion Procedure**

- 1. MIRU rig.
- 2. RIH/ w/ perforating guns and perforate Yeso from 5800 5600 w/ 2 spf, 30 holes.
- 3. Acidize w/ 2500 gals of 15% HCl. Frac zone w/ 190,000 # of sand. Set plug at 5550'.
- 4. RIH w/ perforating guns and perforate Yeso from 5500' 5300'.
- 5. Acidize w/ 2500 gals of 15% HCl. Frac zone w/ 190,000 # of sand. Set plug at 5350'.
- 6. RIH w/ perforating guns and perforate Yeso from 5200' 5000'.
- 7. Acidize w/ 2500 gals of 15% HCl. Frac zone w/ 190,000 # of sand.
- 8. RIH and drill out plug at 5350' and 5550'.
- 9. RIH and cut 4" casing at 4900'. POOH w/ 4" casing. Leave 4" liner from 4900' to 6000' (TD).
- 10. RIH w/ tbg and locate end of tbg at 4900'.
- 11. RIH w/ rods and pump.
- 12. RDMO rig.

District I

1625 N. French Dr., Hobbs, NM 88240

District II

1301 W. Grand Avenue, Artesia, NM 88210

District III

1000 Rio Brazos Rd., Aztec, NM 87410

12 Dedicated Acres J3 Joint or Infill

40

4 Consolidation Code

15 Order No.

District IV

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

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 June 10, 2003

Submit to Appropriate District Office

State Lease - 4 Copies

Fee Lease - 3 Copies

☐ AMENDED REPORT

#### WELL LOCATION AND ACREAGE DEDICATION PLAT <sup>1</sup> API Number <sup>2</sup> Pool Code 96718 Loco Hills; Glorieta-Yeso 30-015-31014 <sup>4</sup> Property Code 5 Property Name <sup>6</sup> Well Number 302502 Harper State 7 OGRID No. 8 Operator Name 9 Elevation 229137 COG OPERATING LLC 3672 Surface Location UL or lot no. Section Township Range Lot Idn Feet from the North/South line Feet from the East/West line County P 21 17S 30E 990 South 990 Eddy East Bottom Hole Location If Different From Surface UL or lot no. Feet from the Section Township Range Lot Idn North/South line Feet from the East/West line County

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

				17 ODED ATION CEDITION OF THE
,				<sup>17</sup> OPERATOR CERTIFICATION
				I hereby certify that the information contained herein
			·	is true and complete to the best of my knowledge and
				belief.
				1
				Signature
				Kanicia Carrillo
				Printed Name
				Regulatory Analyst
				Title and E-mail Address
				08/14/08
				Date 08/14/08
				<sup>18</sup> 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 supervision, and that the
				same is true and correct to the best of my belief.
			11 - 1 - 1	Date of Survey
				Signature and Seal of Professional Surveyor
		_	990'	organica and sear of Professional Surveyor
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		_	.066	
				Certificate Number
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