

Form 3160-4 (April 2004)

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

FORM APPROVED OMBNO. 1004-0137 Expires: March 31, 2007

							ANAGEME				1		Expires: N	farch 31, 2007
	W	ELL C	OMPL	ETION OF	R RECO	MPLE	TION REF	PORT A	ND LO	3		5. Lea	se Serial No). LC-072015-C
la. Type	of Well	П	oil Well	✓ Gas Well	Dry	По	her					6. If In	dian, Allott	ee or Tribe Name
	of Comple				₩ork O			Plug Bac	k D	iff. Resv	r,			
			Oth									7. Unit	_	eement Name and No.
2. Name	e of Opera	tor CC	G Oper	ating LLC								8. Leas	e Name and	
3. Addre	ess 550 V	W Ter	ne Smite	1300			3a.	Phone No	. (include	area cod	'e)	9. AFI	nson 33 Fe Well No.	ederal #4
				····				432-685					015-33951	
4. Locati	ion of We	il (Repo	rt location	n clearly and in	accordance	with]	Pederal require	ments)*					l and Pool, (alon-Atoka	or Exploratory
At sur	rface	890' FN	NL & 10	90' FWL, Uni	it D						-			on Block and
At top	prod. inte	rval rep	orted belo	ow .								Surv	ey or Area	Sec 33, T20S, R27E
At tota	al depth											12 Cour Eddy	nty or Parish	13. State NM
14. Date S			15	. Date T.D. Re	ached		16. Da	te Complet	ed	-				RKB, RT, GL)*
	0/2005			06/17/200				D& <u>A</u>	Ready			·	3219'	GL
18. Total I	•	MD		19.	Plug Back				20. De	pth Brid	ge Plug Se	et: MI TV		10,590
21 Tuna F		Other		cal Logs Run (Submit can		TVD 10,555		22. Wa	s well c	amad2 [/	No L		mit analysis)
	CFL/C		Moonani	cai Loga Ruii (ouomit cop	y OI Ca			Wa	s DST r	un? 🔽]No [Yes (Sub	mit report)
			rd (Pan	ort all strings	ratin wal	15		<u>.</u>	Dir	ectional	Survey?	✓ No	Yes (Submit copy)
Hole Size	Size/Gra		Vt. (#/ft.)		Bottom		Stage Cemen		of Sks. & of Cement	Slu	ny Vol. BBL)	Cemer	nt Top*	Amount Pulled
17.5	13.375	5 4	18	487			Depth	400 €		+			•	85 sx to pit
11	8.625	3	12	2228				950 (C					15 sx to pit
7.875	5.5	1	.7	11,050				1760	Cmcrete	4				
				1						 				
4. Tubing													-	
Size 2-7/8	Depth 9900	Set (M	D) Packet	er Depth (MD)	Size		Depth Set (MI) Packer	Depth (MI)	Size	Depth	Set (MD)	Packer Depth (MD)
5. Producir		ıls	350	0	<u> </u>		26. Perfora	ion Record	!					L
	Formation			Тор	Botton	1	Perforate	d Interval		Size	No. I	loles	I	erf. Status
	r Morrov	v					10,866' - 10,			.42	26	i	Plugged	
Morro Atoka						}	10,672' - 10,			.42	40		Plugged	
) Atoka	l						9995' - 10,00	1.		.42	36	<u> </u>	Open	······································
	racture, Tre	eatment,	Cement S	Squeeze, etc.					L		<u></u>		L	
	epth Interv			•				Amount at	nd Type of	Materia	<u> </u>			
10,866' - 1							500 gal 7-1/2					CF of N	12.	
10,672' - 1 10,628' - 1	<u>`</u>			Az Morrow			7-1/2% Mor							HECEIVE!
~ 0,0±0 ° 1	, (per13 11/	,000	mar quanty l	a. y 102	O. 72,U	- UT 10/	70 uiti 41	,, op.		OCT 1 8 2005
3. Product					· · · · · ·	7 :::								
	Test Date	Hours Tested	Test Produc	tion Oil BBL	Gas MCF	Wate BBL	r Oil G Corr.	ravity API	Gas Gravity		Production 1		6	
	8/29/2005 Fbg. Press.	24 C		Oil	758 Gas	Wate	r Gas/C	<u></u>	Well Sta		FLOWING	; 		
ize F	Flwg. SI 850	Csg. Press.	24 Hr. Rate	BBL	MCF	BBI		u	Well Sta	rus				
a. Product	tion - Inte													
	Test Date	Hours Tested	Test Product	ion Oil BBL	Gas MCF	Water BBL			Gas Gravity	Ī	Production 1	Method		
Choke T	Tbg. Press.	Csg.	24 Hr.	Oil	Gas	Wate	Gas/O	<u> </u>	Well Stat	us				
					1 000	111016								
	Flwg.	Press.	Rate	Oil BBL	MCF	BBL	Ratio		Word State					

28h Produ	action - Inte	erval C								
Date First	Test	Hours	Test	Oil	Gas	Water	Oil Gravity	Gas	Production Method	
Produced	Date	Tested	Production	BBL	MCF	BBL	Corr. API	Gravity		
			->							
Choke	Tbg. Press.	Csg.	24 Hr.	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status		
Size	Flwg.	Press.	Rate	PPL	MCF	DDL	Kano			
	L	<u></u>		ļ						
Date First	uction - Int		100	ļ		Water			Production Method	
Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	BBL	Oil Gravity Corr. API	Gas Gravity	Production Method	
			->							
Choke	Tog. Press.	Csg.	24 Hr.	Oil	Gas	Water	Gas/Oil	Well Status	<u> </u>	
Size	Flwg.	Press.	Rate	BBL	MCF	BBL	Ratio			
	Si]		1						
29. Disp	osition of (Gas (Sold, a	used for fuel,	vented, et	c.)					May be now a single of
SOI	LD.									· 通過學 不 一個 " 大衛 本 · 在 · · · · · · · · · · · · · · · · ·
			(Include Aq	wifown):				21 Farmet	tion (Log) Markers	
	-		-						non (rog) markers	
Show	v all impor	tant zones	of porosity	and conter	nts thereof:	Cored interv	als and all drill-ster and shut-in pressure	n)		A STATE OF THE STA
	ecoveries.	aebai miei	vai iesieu, cu	SIIIOII USCC	i, mie word	pen, nowing	and shut-in pressure			
		1								Ton
Forn	nation	Тор	Bottom		Desc	riptions, Con	tents, etc.	_ 1	Name	Top Meas. Depth
		ļ	 							Meas. Deput
DELAW	ARE	2285	1				*			
DONE C	nnnia		}							ļ.
BONE SI		4242		- }				1		
SPRING		5722	}	1				}		
3RD BOI	-			- [- 1		1
SPRING	SAND	7772		1						
WOLFC	AMP	8297	}					}		
***************************************		10277	j					ļ		
STRAWN	4	9618		1				}		
			Į.	-				ł		
ATOKA MORRO	w	9956 10,170	}	1				ŀ		
MORKO	**	10,170	}	- }				1		
MORRO	W									
SANDS		10,532	1	ì]		1
LOWER MORRO	W.	10,764	ļ					Į.		
MORRO	**	10,704	1					1		
		L	<u> </u>							
32. Additi	onal remar	ks (include	plugging pro	ocedure):						
										•
					 -		<u> </u>			
					a check in	the appropriat	te boxes:			
✓ Elec	ctrical/Mec	hanical Lo	gs (1 full set	req'd.)	☐ Ge	ologic Repor	t DST Report	Direction	al Survey	
Sun Sun	dry Notice	for pluggin	ng and cemen	ıt verificati	ion 📝 Co	re Analysis	Other:			
34. I hereb	y certify th	at the foreg	oing and atta	ched info	mation is co	mplete and c	orrect as determined	from all availab	ole records (see attached inst	ructions)*
	-		-			-				
. 13		-	N114- 4 **	J			ma Regula	tory Analyst		
Name (p	lease prini	<i>)</i>	hyllis A. E.	uwards			Title Regula			
-		0	٠, ١,	16	كرير	,)			
Signatu	re	1-/h.	Lles	20	Vern	1d0	Date 10/17/2	005		
Title 18 U.S	S.C Section	n 1001 and	Title 43 U.S	S.C Section	on 1212. ma	ke it a crime	for any person know	ingly and willfi	ally to make to any departm	ent or agency of the United
States any f	alse fictiti	ous or fra	idulent state	ments or	representat	ions as to an	v matter within its i	inrisdiction		•

State of New Mexico

DISTRICT I 1625 N. FRENCH DR., HOBBS, NM 88240

Energy, Minerals and Natural Resources Department

DISTRICT II 1301 W. GRAND AVENUE, ARTESIA, NM 88210

Form C-102 Revised JUNE 10, 2003 Submit to Appropriate District Office State Lease - 4 Copies Fee Lease - 3 Copies

DISTRICT III 1000 Rio Brazos Rd., Aztec, NM 87410 OIL CONSERVATION DIVISION 1220 SOUTH ST. FRANCIS DR. Santa Fe, New Mexico 87505

DISTRICT IV 1220 S. ST. FRANCIS DR., SANTA FR., NW 8750	WELL LOCATION AND	ACREAGE DEDICATION PLAT	□ AMENDED REPORT
API Number	Pool Code	Pool Name	
30-015-33951	70880	Avalon - Atoka (Gas)	•
Property Code	_	33 FEDERAL	Well Number 4
OGRID No. 229137	•	ator Name RATING, LLC.	Elevation 3219'

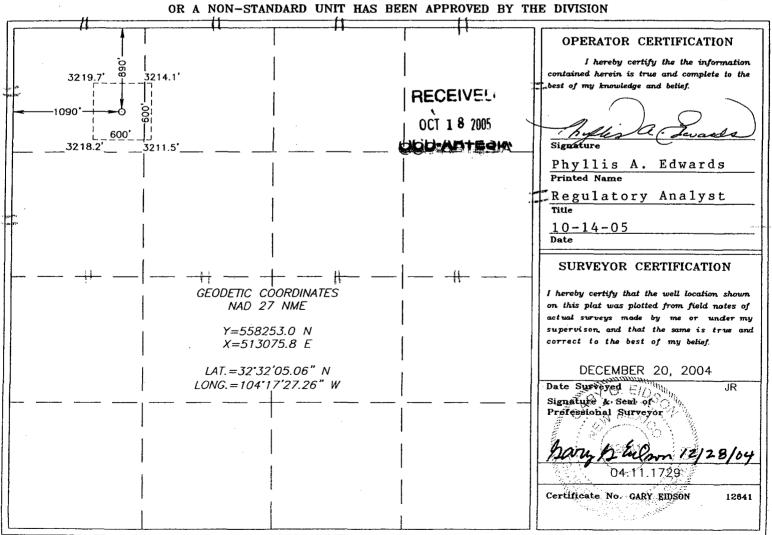
Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
D	33	20-S	27-E		890	NORTH	1090	WEST	EDDY

Bottom 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
Dedicated Acre	s Joint	or Infill C	onsolidation	Code Or	der No.			<u> </u>	L
320									

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED



OPERATOR
WELL/LEASE
COUNTY

COG OPERATING HANSON 33 #4 EDDY, NM

STATE OF NEW MEXICO DEVIATION REPORT

				DEVIATION	REF	PORT	
-	172	1		6,834	2		
	442	1		6,961	1	1/2	
	635	1		7,099	2	1/4	
	886		1/2	7,195	3		
	1,104	1		7,385	3		
	1,324	1		7,480	3		
	1,543	_	1/2	7,670	3		
	1,728	1		7,765	2		
	1,914	1		7,861	2	3/4	
	2,206	1		7,956	2	3/4	
	2,405		3/4	8,051	2	1/4	
	2,655	1		8,146	2		
	2,906		1/2	8,241	2	1/2	
	3,158	1		8,432	2	1/4	
	3,406	1		8,527	2	1/2	
	3,660	1	3/4	8,622	2		
	3,755	1	1/2	8,713	2	1/2	
	3,850	1		8,908	1	3/4	
	3,946		3/4	9,098	2		
	4,135		3/4	9,320	3	1/4	
	4,324	· · 1		9,415	4		
	4,576		3/4	9,510	3	77.	
	4,765		1/4	9,637	2		
	5,053	1		' 9,765	2 2 3 2 2	1/2	
	5,244	1	1/4	9,890	3		
	5,434	2		10,019	2	1/2	
	5,528	1	1/4	10,145	2		
	5,623	1	3/4	10,272	2		
	5,719	2		10,427	2		
	5,876	1	1/2	10,744		3/4	
	6,003	1	1/4	10,870		1/2	
	6,130	1		11,050		1/2	
	6,257	1	3/4				
	6,383	1	1/2				
	6,511	1	3/4				
	6,677	2					

BY:

STATE OF TEXAS
COUNTY OF MIDLAND

The foregoing instrument was acknowledged before me on Moore on behalf of Patterson - UTI Drilling Company, LP, LLLP.

June 24, 2005 , by Steve



J ROBERTSON

Notary Public, State of Texas My Commission Expires: August 23, 2007

Notary Public for Midland County, Texas My Commission Expires: 8/23/07

Company Well : COG OPERATING LLC

Location: 890' FNL & 1090' FWL, SEC. 33, T-20-S, R-27-E Co, State: EDDY COUNTY, NEW MEXICO

Formation : VARIOU Coring Fluid : BRINE Field . WARTON

Elevation : 3219' G

CORE

10	9	∞	7		თ	σ ₁	4	ω	2	 4			:		SAMPLE NUMBER
5739.0	4479.0	4465.0	4460.0		4231.0	4223.0	4214.0	4209.0	4198.0	3883.0				Ťť	DEPTH
	rý(ř)	ivida		. Propins		ingereij	(Adjile				Sagar.	lgi sarek			\$\$# \$.59
25 26	24	23	22	4.0 (A) 21		20	19	100			17	16			SAMPLE

9440.0 9359.0 9139.0

9355.0 9142.0