Form 3160-4 (August 1999)

UNITED STATES DEPARTMENT OF THE INTERIOR

FORM APPROVED OMB NO. 1004-0137 Expires: November 30, 2000

1. Type of Well							LAND MA								E	xpires: Nove	mber 30,	2000
1. Diff. Reav. Other		WEI	L CO	IPLE1	TION O	RR	ECOMPLE	ETION	REPORT	AN	D LO	G 		1 7				
Name of Operating Name									pen 🗆 P	lug Ba	ack [Diff.	Resvr,	(5. If In	dian, Allotte	e or Tribe	Name
Second S	-,	•							· —————					•	7. Uni	t or CA Agre	ement Na	me and no.
Address P. O. Box 11050 Mildland TX 79702-8050 3.a Phone No. (Include area code) 4.32/2687-2992 5.4 County of Well (Report locanon clearly and in accordance with Federal requirements) 7. Federal Polytochronic Well (Report locanon clearly and in accordance with Federal requirements) 7. Federal Polytochronic Well (Report locanon clearly and in accordance with Federal requirements) 7. Federal Polytochronic Well (Report locanon clearly and in accordance with Federal requirements) 7. Federal Polytochronic Well (Report locanon clearly and in accordance with Federal requirements) 7. Federal Polytochronic Well (Report locanon clearly and in accordance with Federal requirements) 7. Federal Polytochronic Well (Report locanon clearly and in accordance with Federal requirements) 7. Federal Polytochronic Well (Report locanon clearly and in accordance with Federal requirements) 7. Federal Polytochronic Well (Report locanon clearly and increase in the Compton of the Comp		•												-	Q Tea	se Name and	Well No.	
P. C. Box 11050 Midland TX 79702-8050			peratin	g, Inc.										- 1				
A. Location of Well (Report location clearly and in accordance with Federal requirements)* RECEIVED							- ^		I				code)				ıaı	
A. Location of Well (Report Olecation celearly and in accordance with Federal requirements)											7-299	2		1 1				
At top prod. interval reported below 1980' FNL & 1980' FEL At total depth 1980' FNL & 1980' FEL 14. Date Spudded 15. Date T.D. Reached 02/26/2005 03/13/2005 16. Date Comparison 17. Depth Bridge Plug Set: MD 18. Total Depth: MD 5600 19. Pug Back T.D.: MD 5605 20. Depth Bridge Plug Set: MD 77D 71. Type of Electric & Other Mechanical Loes Run (Submit copy of each) 17. Set			•		•	nd in a	accordance wi	th Feder	al requireme	nts)*	RE	CEIV	'ED			d and Pool, o	or Explora	itory
At total depth 1980' FNL & 1980' FEL 1980' FEL 12 County or Parish 13 State 13 State 13 Chaves 13 State 14 Date Spudded 15 Date T.D. Reached 16 Date Completed 10 B.A. 18 Ready to Prod. 17 State 18 State 18 State 19 Stat						CNΠ	& 10 2 0' ፔፔ	.T			IJ	N 0 2	2005	1	1. Sec	- ., T., R., M.,	on Block	and
At total depth 1980 FNL & 1980 FEL	Aito	prod. inter	vai icpoii	ca belov	* 1 7 6 U J	LIND	& 1960 FE	aL.		•	36 6	PATT	EDIA	1				
D & A N Ready to Prod.	At tot	al depth 19	80' FNI	& 198	80' FEL										Chave	s	Ne	w Meico
18. Total Depth: MD 5650 19. Plug Back T.D. MD 5605 20 Depth Bridge Plug Set MD TVD TVD 17. Type of Electric & Other Mechanical Logs Run (Submit copy of each) 22. Was well cored	14. Date 5	Spudded		15.	Date T.D	Reac	ched				leted X	Ready t	o Prod.	1	7. Ele	evations (DF	, RKB, R	Γ, GL)*
TVD			7.70		03/13/2				05/13		5				~			
Corrip. Z, Densilog, DN/GR, DLL, MLL Was DST run?	18. Total					19. F	Plug Back T.D				20). Dept	h Bridge	Plug Se				
Directional Survey	21. Type	of Electric	& Other N	lechanic	al Logs F	Run (S	ubmit copy of	each)			22					(bmit anal	ysis)
	Comp	. L, Dells	nog, Di	v/OK,	טבב, ייי	шт										•	-	•
Hole Size Size/Grade Wt. (#/It.) Lop (MD) Depth Type of Cement (BBL)	23. Casin	g and Line	Record(Report a	ll strings	set in	well)					Dire	CHOHAI Su	ii vey:	<u> </u>	0 12 103	(Submit.	
8 1/2	Hole Size	Size/Gra	de Wt	(#/ft.)	Top (1	MD)	Bottom (M	D) Sta	ge Cementer Depth	N Ty					Cem	ent Top*	Amo	unt Pulled
24. Tubing Record		8 5/8	24#				1000					oz C						
Size Depth Set (MD) Packer Depth (MD) Size Depth Set (MD) Perforation Record Size No. Holes Perf Status Perforated Interval Size No. Holes Perf Status Perforated Interval Size No. Holes Perf Status Perforated Interval Size No. Holes Perforated Interval Perforated Interval Perforated Interval Size No. Holes Perforated Interval Perforated Int	8 1/2	4 1/2	11.	5#			5650			10	35				2000		·· 	
Size Depth Set (MD) Packer Depth (MD) Size Depth Set (MD) Perforation Record Size No. Holes Perf Status Perforated Interval Size No. Holes Perf Status Perforated Interval Size No. Holes Perf Status Perforated Interval Size No. Holes Perforated Interval Perforated Interval Perforated Interval Size No. Holes Perforated Interval Perforated Int					· · · · · · · · · · · · · · · · · · ·		 	_	<u> </u>	-								
Size Depth Set (MD) Packer Depth (MD) Size Depth Set (MD) Perforation Record Size No. Holes Perf Status Perforated Interval Size No. Holes Perf Status Perforated Interval Size No. Holes Perf Status Perforated Interval Size No. Holes Perforated Interval Perforated Interval Perforated Interval Size No. Holes Perforated Interval Perforated Int																		:
Size Depth Set (MD) Packer Depth (MD) Size Depth Set (MD) Perforation Record Size No. Holes Perf Status Perforated Interval Size No. Holes Perf Status Perforated Interval Size No. Holes Perf Status Perforated Interval Size No. Holes Perforated Interval Perforated Interval Perforated Interval Size No. Holes Perforated Interval Perforated Int																		
23/8" 5590 26. Perforation Record Formation Top Bottom Perforated Interval Size No. Holes Perf. Status Formation Top Bottom Perforated Interval Size No. Holes Perf. Status			Set (MI)	Pack	er Denth	(MD)	Size	De	nth Set (MD)	Pacl	cer Der	th (MD)	1 9	ize	De	enth Set (MD) Pack	er Denth (MD
26. Perforation Record Formation Top Bottom Perforated Interval Size No. Holes Perf. Status		<u>-</u> -	i Set (MD) Tack	ci Depui	(IVII)	3120		pur set (IVID)	1 acr	CI DC	7111 (1VIL)	/ <u> </u>		+	- Cot (141)	7) I dok	or Depth (MD
Formation	25. Produc	ing Interva	ıls				<u> </u>	26	Perforation	n Rec	ord		.l					
A)Devonian	-	Formatio	<u>-</u>	-	Ton		Bottom						Size	No	Holes	Τ	Perf Sta	tus
B) C) D) 27. Acid, Fracture, Treatment, Cement Sqeeze, Etc. Depth Interval 5466 - 5526 Acidize w/2300 gals 15% neFe acid + 150 - 1.3 BS + Acidize w/10,000 gal Ultra-gel 20% 28. Production - Interval A Date First Produced Date Production - Interval A Date First Produced Choice Tog. Press. Size Production - Interval B Date First Produced Date Press. Size Production	A)Devor		11	54				54		mer	<u> </u>	-	JIZC		110103	2 spf - o		
C) D) 27. Acid, Fracture, Treatment, Cement Sqeeze, Etc. Depth Interval Amount and Type of Material 5466 - 5526 Acidize w/2300 gals 15% neFe acid + 150 - 1.3 BS + Acidize w/10,000 gal Ultra-gel 20% 28. Production - Interval A Date First Produced Date Hours Production BBL MCF BBL Gravity O4/21/05 05/12/0524 O 32 94 Choice Tbg. Press. Flwg. Size Flwg. Size Press. Rate Production Date Hours Production - Interval B Date First Production - Interval BBL Gas MCF BBL Gas Gravity Production - Interval A Date First Press. Rate Press. Size Press. Size Press. Size Press. Size Press. Size Press. Flwg. Size Press. Size Production Gas MCF BBL Gas Water BBL Gravity Gas Gravity Production - Interval A Date First Press Gravity Production Gas Gravity Production Method Gravity Production Method Gravity Production Flest Press. Gas Gravity Production Method Gravity Gas Gravity Production Method Gravity P						1										1 1		
Data Production - Interval A Production Production Press Press Production Production - Interval B									,									
Depth Interval Amount and Type of Material																		
Acidize w/2300 gals 15% neFe acid + 150 - 1.3 BS + Acidize w/10,000 gal Ultra-gel 20% 28. Production - Interval A Date First Produced Date Test Date Press. Size Filwg. Si Press Csg. Size Press. Csg. Size Press. Csg. Press Date Production Press. Size Press. Csg. Production				Cement	Sqeeze, E	tc.					4 4 5	C						
28. Production - Interval A Date First Produced Date Tested Production BBL MCF BBL Gas Gravity O4/21/05 05/12/05/24 0 0 32 94 Choice Tbg. Press. Size Flwg. SI Production - Interval B Date First Production Dill Gas Water BBL Gas: Oil Gravity Gravity Production - Water BBL Gas: Oil Ratio Water Gas: Oil Ratio Water Gas: Oil Gravity Well Status Production - Interval B Date First Produced Date First Tested Tested Production BBL MCF BBL Gas Gravity Produced Tested Production Dill Gas MCF BBL Gas: Oil Gravity Gas Gravity Production - Interval B Date First Tested Hours Tested Production BBL MCF BBL Gas: Oil Gravity Gravity Choke Tbg. Press. Csg. 24 Hr. Oil Gas MCF BBL Gas: Oil Ratio Choke Tbg. Press. Size Press. Size Press. Size BBL MCF BBL Ratio Well Status Well Status			vai	-		/226	001- 150/	E						000	201111	two 201 200		
Date First Produced Date Tested Date Tested Production BBL Gas MCF BBL Corr. APT Gas Gravity Production Method O4/21/05 O5/12/05/24 O 32 94 O 32 Choice Tbg. Press. Csg. Flwg. SI Press. Csg. Press. Csg. Press. Csg. Press Csg. Production Csg. Press Csg. Production Csg. Press Csg. Pres	3400	- 3326		A	ciaize v	V/23U	o gais 15%	nere a	icia + 150	- 1.3	B2 -	+ Aciai	ize w/10	,000 {	gai Oi	tra-gei 20%	7 0	
Date First Produced Date Tested Date Tested Production BBL Gas MCF BBL Corr. APT Gas Gravity Production Method O4/21/05 O5/12/05/24 O 32 94 O 32 Choice Tbg. Press. Csg. Flwg. SI Press. Csg. Press. Csg. Press. Csg. Press Csg. Production Csg. Press Csg. Production Csg. Press Csg. Pres																		
Date First Produced Date Tested Date Tested Production BBL Gas MCF BBL Corr. APT Gas Gravity Production Method O4/21/05 O5/12/05/24 O 32 94 O 32 Choice Tbg. Press. Csg. Flwg. SI Press. Csg. Press. Csg. Press. Csg. Press Csg. Production Csg. Press Csg. Production Csg. Press Csg. Pres	20 D 4					<u> </u>												
Choice Tbg. Press. Csg. Flwg. Size Test Production Test Press. Csg. Flwg. Size Test Press. Csg. Press Csg	Date First	Test	Hours	Test	Oil		Gas	Water	Qil Gra	vity	Т	Gas .	Pro	duction	Method			
Choice Size Tbg. Press. Csg. Flwg. SI Csg. Flwg. SI Csg. Press. Size Production - Interval B Date First Produced Date Tested Tested Tested Tested Size Flwg. SI Csg. Press. Size Plwg. Size Press. Size Plwg. Size Press. Siz				Produc	_	L	1)	Corr. A	PI		Gravity						
Production - Interval B Date First Produced Date Hours Tested Date Production BBL Gas MCF BBL Gravity Corr. API Gravity Gravity Choke Size Tbg. Press Csg. Press. Size Flwg. Si Csg. Press. Size Flwg. Size Production BBL Gas MCF BBL Gas MCF BBL Gas MCF BBL Gas Water BBL Gas Oil Ratio Well Status				24 Hr.					Gas : C	il	-	Well Stat	us					
Date First Produced Date Hours Tested Production Dil BBL Gas MCF BBL Oil Gravity Corr. API Gas Gravity Choke Size Flwg. S1 Test Production Dil BBL Gas MCF BBL Oil Gravity Corr. API Gas Gravity Water BBL Gas Gravity Water BBL Gas: Oil Ratio Well Status	Size		Press.	Rate	→	L	MCF	BBL	Ratio									
Produced Date Tested Production BBL MCF BBL Corr. API Gravity Choke Size Flwg. S1 Coll Gravity Gravity Gravity Floridation Method Floridation Method Gravity Floridation Method Gravity Floridation Method Gravity Floridation Method Floridation Method Gravity Floridation Method Florida				T=	1			1				_	- 1					
SI —		Date	Hours Tested	Produc	ction Oil BBI	L	Gas MCF	Water BBL	Oil Gra Corr. A	vity PI		Gas Gravity	Pro	duction	Method			
	Choke Size	Flwg.	Csg. Press.			<u></u>	Gas MCF	Water BBL	Gas : C Ratio	il		Well Stat	us					
	(See Instruc		aces for add	<u> </u>		rse side	(e)					<u>-</u>		 				

tion - Inter	val C								
Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method	
Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas : Oil Ratio	Well Status		
				1			10		
Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Corr. API	Gas Gravity	Production Method	_
Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas : Oil Ratio	Well Status		
osition of G	as (Sold, u	sed for fuel	, vented, e	tc.)					,
nary of Porc	ous Zones (Include Aqı	nifers):		******		31. Form	nation (Log) Markers	
inlouding d							ıres		
ation	Тор	Bottom		Desc	criptions, Con	tents, etc.		Name	Top Meas. Depth
	0	64	12 Lime	y shale			San And	lres	642
	642	178		-			Glorietta	a	1789
	1789	395	58 Dolo	, Minor A	Anhy, sd, sl	1	Tubb		3220
	3958	464	10 siltst	one, sh, v	ery fine sd		Abo		3958
	4640	522	20 lm, s	h			Wolfcar	np	4640
	5220	545	55 lm, c	lolo, sh w	/minor sd		Penn		5220
	5455	556	50 Dolo)			Devonia	an	5455
	5560	557	70 Sd, S	sh, congle	& rock fra	ag.	Granite		5570
	5570	565	50 Gran	ite Wash	& Granite				
onal remark	s (include	plugging pr	ocedure):						
•									
enclosed at	tachments:	-							
ctrical/Mec	hanical Lo	gs (1 full se	req'd.)	2.	Geological Re	eport 3. DST	Report 4	. Directional Survey	
ndry Notice	for pluggi	ng and cem	ent verific	ation 6.	Core Analysis	7. Other	r		
y certify th	at the foreg	oing and at	tached inf	ormation is	complete and	correct as determi	ined from all av	ailable records (see attached	instructions)*
(please prii	ıt) Brend	a Coffma	n			Title Reg	gulatory Anal	lyst	*
(. ه م			00m					•
	Test Date Tog. Press. Flwg. SI tion - Inter Test Date Tog. Press. Flwg. SI cosition of Grary of Porce all importation including decoveries. ation onal remark enclosed at ctrical/Mecondry Notice by certify the	Tbg. Press. Flwg. SI ction - Interval D Test Hours Tested Tbg. Press. Flwg. SI Togate Tested Tbg. Press. Press. Flwg. SI cosition of Gas (Sold, unary of Porous Zones (all important zones or inlouding depth interval coveries. ation Top 0 642 1789 3958 4640 5220 5455 5560 5570 conal remarks (include	Test Date Total Press. Tested Total Press. Flwg. SI Total Press. Press. Press. Production Total Press. Press. Press. Production Total Press. Pre	Test Date Hours Tested Production Production Press. Flwg. SI Tion - Interval D Test Date Hours Tested Production BBL Test Date Tested Production BBL Test Date Tested Production BBL Test Date Hours Tested Production BBL Test Date Tested Production BBL Tog. Press. Flwg. SI Dosition of Gas (Sold, used for fuel, vented, et al., and contents to including depth interval tested, cushion used coveries. Top Bottom Top Bottom Top Bottom Top Bottom 1789 3958 Dolo 3958 4640 siltst 4640 5220 lm, s 5220 5455 lm, d 5455 5560 Dolo 5560 5570 Sd, S 5570 5650 Gram Top St. Flwg. SI Top Bottom Top	Test Date Hours Tested Production BBL Gas MCF	Test Date Hours Test Production Dil BBL MCF BBL Tbg. Press. Csg. 24 Hr. Rate BBL MCF BBL Toton - Interval D Test Production Dil BBL MCF BBL Toton - Interval D Test Hours Test Production Dil BBL MCF BBL Toton - Interval D Test Hours Test Dil BBL MCF BBL Total Press. Csg. Csg. Rate Dil BBL MCF BBL Total Press. Csg. Rate Dil BBL MCF BBL Total Press. Csg. Rate Dil BBL MCF BBL Total Press. St. Test Dil BBL MCF BBL Total Press. Csg. Rate Dil BBL MCF BBL Total Press. Csg. Rate Dil BBL MCF BBL Total Press. Csg. Rate Dil BBL MCF BBL Total Production Dil Gas Water BBL Total Press. Csg. Rate Dil Gas MCF BBL Total Press. Csg. Rate Dil Gas MCF BBL Total Production Dil Gas Water BBL Total Production Dil Gas Water BBL Total Production Dil Gas Water BBL Total Press. Csg. Rate Dil Gas MCF BBL Total Production Dil Gas Water BBL Tota	Test Date Tested Test Production Dil BBL MCF BBL Corr. APT	Test	Tog. Press. Percentage Production Bill. MCF Bill. Corr. API Gravity Production Method

DISTRICT I 1625 N. French Dr., Hobbs, NM 88240 DISTRICT II 811 South First, Artesia, NM 88210

State of New Mexico Energy, Minerals and Natural Resources Department

Form C-102 Revised March 17, 1999

Submit to Appropriate District Office

State Lease - 4 Copies Pee Lease - 3 Copies

DISTRICT III 1000 Rio Brazos Rd., Aztec. NM 87410

OIL CONSERVATION DIVISION

DISTRICT IV 2040 South Pacheco, Santa Fe, NM 87505

2040 South Pacheco Santa Fe, New Mexico 87504-2088

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number	Pool Code		Pool Name		
30-005-63710		n 0* .F~			
Property Code		perty Name	Well Number		
1	LEEMAN	"12" FEDERAL	6		
OGRID No.	Ope	rator Name	Elevation		
147179	CHESAPEAKE	OPERATING INC.	3669'		

Surface Location

į	UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
	G	12	9 \$	25 E		1980	NORTH	1980	EAST	CHAVES
				Bottom	Hole Loc	ation If Diffe	rent From Sur	face		

UL or lot No.	Section	Township	Range	Lot Idn	Peet from the	North/South line	Feet from the	East/West line	County
Dedicated Acres	Joint o	r Infill Co	nsolidation (Code Or	der No.				

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

1	OPERATOR CERTIFICATION	\neg
	I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief.	
1980,	Bronda Coloma	<u>-</u>
3662.1'3669.2' Lat.: N33*32'57.4" /	Brenda Coffman Printed Name Regulatory Analyst	-
Lui: N33 32 37.4 Long.: W104'21'08.6"	1980' Title May 31, 2005	_
	SURVEYOR CERTIFICATION	
	RECEIVED I hereby certify that the well location shown on this plat was plotted from field notes of	
	JUN 0 2 2005 actual surveys made by me or under my supervison, and that the same is true and correct to the best of my belief.	- 1
 	JULY 1 2004 Date Surveyed RY L. JONES Signature Seal of Professional Surveyor EXIC	\dashv
	and South Day	
	Certificate No. 4411 Certificate No. Ggry L. Jones 797	7

WELL NAME AND NUMBER	Leeman 12 Federal No. 6	
LOCATION Section 12,	T9S, R25E, Chaves County NM	
OPERATOR Chesapeake O	perating, Inc.	
DRILLING CONTRACTOR U	nited Drilling, Inc.	
of the drilling contra	nereby certifies that he is an a actor who drilled the above des and obtained the following re	cribed well and had con-
Degrees @ Depth	Degrees @ Depth	Degrees @ Depth
1/4° 230'	3/4 ⁰ 3774 1	
1/2° 750'	3/4° 4311'	
1/2° 1223'	1° 4814'	
1/2° 1727'	1 ^o 5323'	
1/2° 2256'	3/4° 2650'	·
1° 2730'		
3/4° 3236*		
3/4° 3774'		
	By:	lug a allo eorge A. Aho
	Title: <u>B</u> ı	isiness Manager
Subscribed and sworn t	o before me this // day of	Mach,
My Commission Expires:	100808 Choves	<u>New Mexico</u>