Form 3160-4 (September 2001)

## **UNITED STATES** DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

FORM APPROVED OMB NO. 1004-0137 Expires: January 31, 2004

12   Type of Well	•	, AAE	LL C	OMPL	EHO	N OK KI	ECOMPLI	EHOR	REPUR	AND	LOG	TEN.		. Lease : 1-013642	Serial No		
New Well   Work Over   Deepen   Plug Back   Diff. Reivr.   7. Unit or CA Agreement Name and No. Other   Other   7. Unit or CA Agreement Name and No. NA.   7. Unit or CA Agreement Name and No. NA.   7. Unit or CA Agreement Name and No. NA.   7. Unit or CA Agreement Name and No. NA.   7. Unit or CA Agreement Name and No. NA.   7. Unit or CA Agreement Name and No. NA.   7. Unit or CA Agreement Name and No. NA.   7. Unit or CA Agreement Name and No. NA.   7. Unit or CA Agreement Name and No. NA.   7. Unit or CA Agreement Name and No. NA.   7. Unit or CA Agreement Name and No. NA.   7. Unit or CA Agreement Name and No. NA.   7. Unit or CA Agreement Name and No. NA.   7. Unit or CA Agreement Name and No. NA.   7. Unit or CA Agreement Name and No. NA.   7. Unit or CA Agreement Name and No. NA.   7. Unit or CA Agreement Name and No. NA.   7. Unit or CA Agreement Name and No.   7. Unit or Canada Name Name Name Name Name Name Name Nam	la. Type of Well Oil Well Gas Well Dry Other																
Common of Operator											· ·						
2. Name of Operator  Koch Exploration Company, LLC  3. Address  (26, Phone Not. Include area code) (27, Phone Not. Include area code) (28, Phone Not. Include area code) (29, Phone Not. Include area code) (20, Phone Not. Inclu											, ,						
Scot Exploration Company, ILC   3.a. Phone No. Finchular area code   5. Address   3.a. Phone No. Finchular area code   5. Address   5	2. Name	of Operator	<del></del>							()	All Fat.	TO MONEY					
3. Address   3. Brone   90 Functional report code   90 Box 489, Aztec, NM 87410   100 Box 489, Aztec, NM 87410   100 Bottom (MP)   100 B	Koch Expl	oration Cor	npany,	LLC							( )	1.01.1571.77	- { `		Name and	Well No.	
A Location of Well (Report location clearly and in accordance with Federal reportments)   10. Field and Pool, or Exploratory   10. Field and Pool, or Exploratory   10. Field and Pool, or Exploratory   11. Sec., T., R., M., on Block and Survey   12. County or Parish   13. State   14. Date Spudded   15. Date T.D. Reached   16. Sac. Copysjete(s)   12. County or Parish   13. State   13.											lude area	code)	_		rell No		
All surface   SE/4 NW/4   S26, T 32N, R9W (F)   1815 FNL & 1395 FWL   All top prod. interval reported below   Same	PO Box 48	9, Aztec, N	IM 874	110					(505) 334	-911	2 4 B				CII INO.		
All surface   SE/4 NW/4   S26, T 32N, R9W (F)   1815 FNL & 1395 FWL   All top prod. interval reported below   Same	4. Locatio	n of Well (	Report	location	n clearly	and in acc	ordance with	Federa	il réquirement	10 En					nd Pool, o	r Exploratory	
At total depth Same  At total depth Same  14. Date Spudded  15. Date T.D. Reached  16. Base Completed Ready to Prod.  17. Elevations (DF, RKB, RT, GL)*  18. Total Depth: MD 6200'  19. Plug Back T.D.: MD 6172'  17. TVD 6200'  19. Plug Back T.D.: MD 6172'  17. TVD 6172'  17. See Completed Ready to Prod.  18. Total Depth: MD 6200'  19. Plug Back T.D.: MD 6172'  17. TVD 6200'  19. Plug Back T.D.: MD 6172'  17. TVD 6172'  20. Depth Bridge Plug Set: MD NA  17. TVD NA  21. Type Electric & Other Mechanical Logs Run (Submit copy of each)  22. Was well cored? No Was DST run? No Was DST run?  18. Size/Grade Wt. (#/ft.) Top (MD)  19. Bottom (MD)  10. Stage Cementer No. of Skx. & Sturry Vol. (Depth Type of Cement T									F - 6	~ ~ ?	IU3						
13. State   13. State   13. State   13. State   13. State   14. Date Spudded   15. Date T.D. Reached   16. Date Completed   16. Date Completed   17. Elevations (DF, RKB, RT, GL)*   17. Elevations (DF, RKB, RT, GL)*   18. Total Depth: MD 6200'   19. Plug Back T.D.: MD 6172'   20. Depth Bridge Plug Set: MD NA   TVD 6200'   19. Plug Back T.D.: MD 6172'   20. Depth Bridge Plug Set: MD NA   TVD 6200'   19. Plug Back T.D.: MD 6172'   20. Depth Bridge Plug Set: MD NA   TVD NA   17. Elevations (DF, RKB, RT, GL)*   17. Elevations (DF,	/								E 1		1. T.	المحتب	1	1. Sec., 7	Γ., R., M.	, on Block an	Survey
At total depth   Same	At top	prod. inter	val rep	orted be	low Sar	ne			(29)		William .	<b>I</b>	<u> </u>	or Are	sa S26, T32	N, R9W (F)	
14. Date Spudded	At tot	aldenth Sa	ame						E.S.	** 68°		<i></i>	- 1	•	or Parish	ł	
18. Total Depth: MD 6200		· · · · · · · · · · · · · · · · · · ·		Т,	S Data	T.D. Darak			16 860	`ampleted	( <u>)</u> ( <u>)</u> () () () ()	<del>7</del>	_		: (DE		\ <b>+</b>
19. Plug Back T.D.: MD 6172'   20. Depth Bridge Plug Set: MD NA TVD NA TVD NA TVD 172'   21. Type Electric & Other Mechanical Logs Run (Submit copy of each)   22. Was well cored?   MN N Yes (Submit analysis)   MN N Yes (Submit analysis)   MN N Yes (Submit analysis)   MN N N Yes (Submit analysis)   MN N N N N N N N N N N N N N N N N N	14. Date	Spuaaea		1	15. Date	1.D. Keach	ea					o Prod.		/. Elevati	ions (DF,	KKB, KI, GL	)+
TVD 6200	7/19/03			7.	/26/03					11-			66	20' GL			
22.   Was well cored?   Was DST run?   Was DST ru	18. Total					19. P	lug Back T.I				20. Dept	h Bridge I	lug Se				
Was DST run?   No   Yes (Submit report)	21 Type I				al Logs l	Run (Suhm	it conv of eac		6172		22 Was	well cor	-42			(Submit analy	veie)
Directional Survey    No   Yes (Submit copy)	21. 1ypo 1	noou io ac	, a.o. 141		HOBD .	itali (Saoiii	ii oop, or ou	<b></b> ,		]							
Hole Size   Size/Grade   Wt. (#/ft.)   Top (MD)   Bottom (MD)   Stage Cementer   Depth   Type of Cement   Slurry Vol. (BBL)   Cement Top*   Amount Pulled	GSL & CE	L									Dire	ctional Su		=		•	•
Hole Size   Size/Grade   Wil. (#/II.)   Top (MD)   Bottom (MD)   Depth   Type of Cement (BBL)   All	23. Casing	and Line	r Recor	rd (Repo	rt all stri	ngs set in w	ell)			<b>,</b>		·				,	
12   1/4"   9   5/8"   1-55   36#   0"   33   2-19"   35   22   NA   135   27.91   SurfaceCIR   18 bbl	Hole Size	Size/Gr	ade '	Wt. (#/fi	t.) To	op (MD)	Bottom (M	(D)   St						Cemen	t Top*	Amount I	'ulled
8 3/4" 7" J-55 23# 0" 3937 37 5D NA 460 184.88 290TEMPS NA 6 1/4" 4 1/2" J-55 10.5# 0" 6487 1/2" DO NA 200 40.29 3490 CBL NA  24. Tubing Record  Size Depth Set (MD) Packer Depth (MD) Size Depth Set (MD) Packer Depth (MD) Size Depth Set (MD) Packer Depth (MD) 2 3/8" 4350 23' 25. Producing Intervals 26. Perforated Interval Size No. Holes Perf. Status  A) Point Lookout 5802' 6200' 5806-5962' 34" 30 open  B) Cliff House/Menefee 5087' 5800' 5100-5728' 34" 38 open  C) Upper Lewis Shale 4656' 5077' 4659-5027' 3.8" 37 open  D)  27. Acid, Fracture, Treatment, Cement Squeeze, Etc.  Depth Interval A  Doing 15% HCL, 16,086 gal AMBORMAX 1015, 180,0004 20/40 Brady Sand  1000 gal 15% HCL, 16,086 gal AMBORMAX 1025, 105,500# 20/40 Brady Sand  28. Production - Interval A  Date First   Test   Hours   Test   Oil   Gas   Water   Oil Gravity   Gas   Production Method	12.1/4"	0.6/09.1	-	264			39 200	25 7		+		<del> </del>	<u> </u>	Cumfa	a-CID	10 hb	
Columbia						<u></u>	7.3.5					i					j
Size   Depth Set (MD)   Packer Depth (MD)   Size   Depth Set (MD)   Packer Depth (MD)   Size   Depth Set (MD)   Packer Depth (MD)				_				+	** ** *** *				<del></del>				
Size   Depth Set (MD)   Packer Depth (MD)   Size   Depth Set (MD)   Packer Depth (MD)   Size   Depth Set (MD)   Packer Depth (MD)		1															
Size   Depth Set (MD)   Packer Depth (MD)   Size   Depth Set (MD)   Packer Depth (MD)   Size   Depth Set (MD)   Packer Depth (MD)															-		
Size   Depth Set (MD)   Packer Depth (MD)   Size   Depth Set (MD)   Packer Depth (MD)   Size   Depth Set (MD)   Packer Depth (MD)		<u> </u>								<u> </u>		<u></u>				<u></u>	
2 3/8"   4350.23'			0 . (2.4	m la		4 (1 (D))		15	-1 0 - (1 m)	In		1 0		15	0 . () (D)	In the Dec	4. (A (D)
26. Perforation Record   Formation   TOP   Bottom   Perforated Interval   Size   No. Holes   Perf. Status	<del></del>			ID) P8	icker De	pth (MD)	Size	De	pth Set (MD)	Packer I	Depth (MD	) Si	ze	Depth	Set (MD)	Packer Dep	th (MD)
Formation						1		20	S. Perforation	Record		J					
A) Point Lookout 5802' 6200' 5806'-5962' .34" 30 open B) Cliff House/Menefee 5087' 5800' 5100'-5728' .34" 38 open C) Upper Lewis Shale 4656' 5077' 4659'-5027' .38" 37 open D)  27. Acid, Fracture, Treatment, Cement Squeeze, Etc. Depth Interval Amount and Type of Material 5806'-5961' 1000 gal 15% HCL, 16,086 gal AMBORMAX 1015, 180,000# 20/40 Brady Sand 5101'-5726' 1000 gal 15% HCL, 16,086 gal AMBORMAX 1015, 231,913# 20/40 Brady Sand 4670'-5022' 1000 gal 15% HCL, 20,047 gal AMBORMAX 1025, 105,500# 20/40 Brady Sand  28. Production - Interval A Date First Test Hours Test Oil Gas Water Oil Gravity Gas Production Method				T	TO	OP I	Bottom					Size	No. I	Ioles		Perf. Status	
B) Cliff House/Menefee 5087' 5800' 5100'-5728' 34" 38 open C) Upper Lewis Shale 4656' 5077' 4659'-5027' 38" 37 open D)  27. Acid, Fracture, Treatment, Cement Squeeze, Etc.  Depth Interval Amount and Type of Material 5806'-5961' 1000 gal 15% HCL, 16,086 gal AMBORMAX 1015, 180,000# 20/40 Brady Sand 5101'-5726' 1000 gal 15% HCL, 16,086 gal AMBORMAX 1015, 231,913# 20/40 Brady Sand 4670'-5022' 1000 gal 15% HCL, 20,047 gal AMBORMAX 1025, 105,500# 20/40 Brady Sand  28. Production - Interval A  Date First   Test   Hours   Test   Oil   Gas   Water   Oil Gravity   Gas   Production Method	A) Point L	ookout					6200'		5806'-5	962'		.34"	3	0		open	
Double   D							5100'-5	5100'-5728'				8		open			
27. Acid, Fracture, Treatment, Cement Squeeze, Etc.   Depth Interval   Amount and Type of Material					4656' 5077'			4659'-5	4659'-5027' .38"			3	7		open		
Depth Interval   Amount and Type of Material											L						
5806'-5961' 1000 gal 15% HCL, 16,086 gal AMBORMAX 1015, 180,000# 20/40 Brady Sand 5101'-5726' 1000 gal 15% HCL, 16,086 gal AMBORMAX 1015, 231,913# 20/40 Brady Sand 4670'-5022' 1000 gal 15% HCL, 20,047 gal AMBORMAX 1025, 105,500# 20/40 Brady Sand  28. Production - Interval A  Date First   Test   Hours   Test   Oil   Gas   Water   Oil Gravity   Gas   Production Method				it, Ceme	ent Squee	ze, Etc.				mount an	d Type of	Material					<del></del>
1000 gal 15% HCL, 16,086 gal AMBORMAX 1015, 231,913# 20/40 Brady Sand   1000 gal 15% HCL, 20,047 gal AMBORMAX 1025, 105,500# 20/40 Brady Sand   28. Production - Interval A   Date First   Test   Hours   Test   Oil   Gas   Water   Oil Gravity   Gas   Production Method   Production Method   1000 gal 15% HCL, 20,047 gal AMBORMAX 1025, 105,500# 20/40 Brady Sand   28. Production - Interval A   28. Production - Interval A   29. Production Method   29. Production		Jopan Inter			1000 gal 1	5% HCL 16	OS6 gal AMB	ORMAY									
28. Production - Interval A  Date First   Test   Hours   Test   Oil   Gas   Water   Oil Gravity   Gas   Production Method																	
Date First Test Hours Test Oil Gas Water Oil Gravity Gas Production Method																	
Date First Test Hours Test Oil Gas Water Oil Gravity Gas Production Method																	
Date First   Test   Hours   Test   Oil   Gas   Water   Oil Gravity   Gas   Production Method						-2			100.0		-10						
Produced Date Tested Production BBL MCF BBL Corr. API Gravity	Date First Produced		Hours Tested		t duction	Oil BBL	Gas MCF	Water BBL	Corr. A	vity PI		Pro	duction	Method			
11/10/03 11/17-18 14.5 0 2237 74 NA nottested Flowing	11/10/03	11/17-18	14.5	<u> </u>		0	2237	74		NA	nottes	ted Flor	ving				
Choke Tbg. Press. Csg. 24 Hr. Oil Gas Water Gas: Oil Well Status Size Figw. Press Rate BBL MCF BBL Ratio				24 Rate	Hr.										PA PAR	DEADD	
Size Figw. Press Rate BBL MCF BBL Ratio  3/4" 750 SI 780 psi 0 3703 123 NA Shut-in waiting on approed C-104 and pipeline tie-in		SI	1		$\sqcap$					NA	Shut-in	waiting on	approe	aC564	nd pipelin	E MECUNL le tie-in	
28a. Production - Interval B			$\overline{}$														
Date First Test Hours Test Oil Gas Water Oil Gravity Gas Production Method I (4 2003)												Proc	luction N	fethob)こし	J (* 4.	2003	!
FARMING ON FIELD OFFICE					$\sqcap$	=							1		GIUN FIE	LD OFFICE	
Choke Tbg. Press. Call 24 Hr. Oil Gas Water Gas: Oil Well Status QY			Call				Gas MCF	Water			Well Stat	us		qγ ,	Hu		
Size Flwg. Press Rate BBL MCF BBL Ratio	5.25	SI wg.		Kat	<u>"</u>	200		DOL	Katio						•		
(See instructions and spaces for additional data on next page)	(See instri	uctions and	spaces	s for ad	ditional o	lata on nex	t page)		NWOO	iD -				<u></u>	-		

28b. Produ	ction - Inter	val C												
Date First Produced Date Hours Production B					Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method					
Choke Size	Tbg Press Flwg. Sl	Csg. Press	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas: Oil Ratio	Well Status	Well Status					
28c. Produ	ction - Inter	val D		<b>.</b>		<u> </u>								
Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas Gravity									
Choke Size	The Press Csg. Press SI 24 Hr. Oil Gas Water BBL Gas: Oil Ratio								Well Status					
29. Disposi	ition of Gas	(Sold use	d for fuel, v	ented, etc.	)	· · · · · · · · · · · · · · · · · · ·			. "					
vented								····						
Show tests, i	all imports	int zones	Include Aquof porosity a al tested, cu	and conten	ts thereof: (	Cored intervences	als and all drill-ste and shut-in pressur	m	ion (Log) Markers					
Forma	ation	Тор	Bottom		Desc	riptions, Cont	tents, etc.		Name Top Meas. Do					
									Ojo Alamo	2187'				
									Kirtland Shale	2238'				
									Fruitland Coal	3070'				
									Picture Cliff	3471'				
									Heurfanito	4214'				
									Navajo City 4247'					
			ļ						1st Otero 46					
									2nd Otero 4774'					
									Cliff House	5087'				
				1					Menefee	5494'				
				ı					Pt. Lookout	5802'				
	·								rt. Lookout	3602				
32. Additi	onal remark	s (include	plugging pr	ocedure):				10 - 10 to 1		1				
33. Circle	enclosed at	tachments	:											
			ogs (1 full se			Geologic Rep Core Analysi			Directional Survey	a contract of the contract of				
34. I herel	by certify th	at the fore	going and a	ttached inf	ormation is	complete and	correct as determine	ned from all avail	able records (see attached in	structions)*				
Name	(please pri	Don Joh	inson A				Title Field C	perations Manager						
Signat	ture (	Don	VIL	>			Date 11/25/	12						