$\mathbb{C} \to \mathbb{A}$							
Form 3160-5				FORM APPROV	ED		
(April 2004) UNITED STATES			OM B No. 1004-0137				
	DEPARTMENT OF THE	INTERIOR	OCD Hobbs	Expires: March 3	1, 2007		
E	BUREAU OF LAND MAN	IAGEMENT	HOBBS OCD	5. Lease Serial No.			
				NMLC03	2096A		
SUNDR	Y NOTICES AND REPO	ORTS ON WELLS	NOV 2 0 2012	6. If Indian, Allottee or Tribe Nat	me		
Do not use th	is form for proposals i	to drill or to re-enter					
	ell Use Form 3160-3 (A			7. If Unit of CA / Agreement, Na	ume and/or No.		
	PLICATE - Other insi	tructions on reverse					
1. Type of Well		— —		8. Well Name and No.			
Oil Well	Gas Well	Other	1	LOCKHAR	T A-27 9		
2. Name of Operator	CONOCOPH	HILLIPS COMPAN	Y /	9. API Well No. 30-025-06802			
3a. Address		3b. Phone No. (includ	le area code)	10. Field and Pool, or Exploratory	y Area		
P.O. BOX 51810, MIDL	AND, TX 79710	432-688-	6943	DRINK	ARD		
4. Location of (Footage, Sec., T., R.,	or Survey Description)		/	11. County or Parish, State			
1980' FNL & 66	0'FWL, U/LES	EC 27 T21S R37E		LEA COUNTY, NM			
12. CHECK APPI	ROPRIATE BOX(ES) 7	TO INDICATE NAT	URE OF NOTICE, R	EPORT, OR OTHER DATA	,		
TYPE OF SUBMISSION			TYPE OF A	CTION			
	Acidize Deepen P			roduction (Start/Resume) Water Shut-off			
✓ Notice of Intent	Alter Casing	Fractu	re Treat	eclamation	Well Integrity		
Subsequent Report	Casing Repair			ecomplete			
Subsequent Report		_			_ Other		
Final Abandonment Notice	Change Plans	[√] Plug a	nd Abandon 🔄 T	emporarily Abandon			
	Convert to Inje	ection 🗌 Plug E	Back 🗌 W	ater Disposal			
13. Describe Proposed or Completed the proposal is to deepen directionall the Bond under which the work will completion of the involved operation completed. Final Abandonment Not ready for final inspection.)	y or recomplete horizontal be performed or provide the s. If the operation results	lly, give subsurface loca he bond No. on file with in multiple completion	ations and measured and the BLM / BIA. Requi or recompletion in a new	true vertical depths of all pertinent red subsequent reports shall be filed v interval, a Form 3160-4 shall be fi	markers and zones. Attach d within 30 days following iled once testing has been		
1) MIRU. ND WH,							
2) RIH Tbg - Tag				SEE ATTACHED FC	IK		
	LF. Cap BP w/ 50s		· ^	CONDITIONS OF A	PPROVAL		
4) Spot 25sx cm	@ 5115'-5015'		7		THOTAL		
	0sx cmt @ 2799'-2		1				
· · ·	sx cmt @ 1350'-12	50' - Tag		RECLAMATION PROC	Enlipe		
•	0sx cmt @ 300'-3'			ATTACHED	LUUKE		
8) Fill wellbore. F	RDMO. Install P&A	marker		ATTAUTED			

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Ground level Dry Hole Marker Required						
14. I hereby certify that the following is true and correct		0				
Name GREG BRYANT	Title	Р	&A TECH			
Signature	Date		10/11/12			
THIS SPACE FOR FE	DERAL (OR STATE OFFICE USE				
Approved by Amar G. Common	Title	SEAS	Date //-//-/2			
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights						
in the subject lease which would entitle the applicant to conduct operatins thereon. $U = U = U = U = U$	Office	670				
Title 18 U.S.C., Section 1001 and Title 43 U.S.C., Section 1212, make it a crime States any false, fictitious or fraudulent statements or representations as to any m			o make to any department or agency of the United			

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WELLBORE SKETCH ConocoPhillips Company -- Lower 48 - Mid-Continent BU / Permian Operations

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Date: August 21, 2012 RKB @ 3428' DF @ 3427 GL @ 3417 Subarea : Hobbs Lease & Well No. : Lockhart A-27 No. 09 Legal Description : 1980' FNL & 660' FWL, Sec. 27, T21S, R37E 17-1/2" Hole @220' Unit Letter E County : State : New Mexico Lea 13-3/8" 48# H-40 @ 209' Field : Drinkard Cmt'd w/200 sx Common cement, circ Date Spudded : Aug 31,1947 Rig Released: Dec 30,1947 TOC @ Surface API Number : 30-025-06802 Status: Lease Serial No. LC032096A Stimulation History: Lbs. Мах Max Interval Date Press ISIP Rate Down Type Gals Sand Top of Salt @ 1300' 10/8/47 Perf 6567-6572 w/ 8 SPF 6567-6572 500 Acid 10/11/47 Perf 6548-6555 & 6558-6564 w/ 6 SPF TOC 9-5/8" Csg @ 1460' (T.S.) 6548-6572 Acid 1,000 Deepen from 6576' to 6677'; 4-3/4" Hole 12/16/47 12/24/47 Sqz perfs 6548-6555; 6558-6564; 6567-6572 & OH 6577-6677 w/ 10 sx 12/24/47 Perf w/ 6 SPF @ 6493-6502, 6518-6523, 6525-6528 & 6535-6538 6493-6538 12/28/47 Acid 1,000 12/22/82 Set 5-1/2" CIBP @ 6575' 12/22/82 Perf w/ 4 SPF @ 6550, 6552, 6560, 6562 & 6568 12/23/82 6550-6568 15% HCI 2,520 400# RS Base of Salt @ 2390' Perf w/ 1 JSPF @ 6368, 6376, 6383, 6391, 6410, 6417, 6429, 12/28/82 6438, 6448, 6452 and 6465 12/30/82 6368-6465 15% HCI 1,000 12-1/4" Hole @2759' 6368-6465 12/30/82 28% HCI Acid Frac 3,900 3100 · Vac 9-5/8" 36# J-55 & H-40 @ 2749' 8/15/85 15% HCL 750 (Dumped down annulus) Cmt'd w/ 500 sx Common cement 1/21/11 Poot with rods and tubing TOC @ 1460' (T.S.) 1/26/11 Set RBP @ 6360' 6/1/11 Run Compensated Neutron log from 6250'-3500' Run USIT log from 6300' to surface 8/31/11 TOC 5 1/2" Csg @ 4248' (T.S.) RBP @ 6360' Drinkard 6368-6465 == -----6493-6538' == == 6550 6552 6560 6562 6568 Formation Tops: 6548-6555 6558-6564 } Anhydrite 1240' 6567-6572 } Sqz'd Base Salt 2390' 5-1/2" CIBP @ 6575' 2540' Yates 8-3/4" Hole @ 6577' Glorieta 5065' 5 1/2" 17# J-55 & N-80 @ 6576' Tubb 6015 Cmt'd w/500 sx TOC @ 4248' (T.S.) 4 3/4" Open Hole 6577-6677' } Sqz'd PBTD @ 6360' OTD @ 6577 NTD @ 6677

WELLBORE SKETCH ConocoPhillips Company -- Lower 48 - Mid-Continent BU / Permian Operations

Prod State 337 Prod State 317 Prod State 11/12 Prod State 20/12							Date:	August	<u>2</u> 1, 2012	
0.10	RKB @ <u>3428'</u> DF @ 3427'	-								
Provide State Loss Addition Loss Control 11.00** 11.00** 10.00** 10.00** 10.00** 10.00** 11.00** 10.00** 10.00** 10.00** 10.00** 10.00** 11.00** 10.00** 10.00** 10.00** 10.00** 10.00** 11.00** 10.00** 10.00** 10.00** 10.00** 10.00** 11.00** 10.00** 10.00** 10.00** 10.00** 10.00** 11.00** 10.00** 10.00** 10.00** 10.00** 10.00** 11.00** 10.00** 10.00** 10.00** 10.00** 10.00** 11.00** 10.00** 10.00** 10.00** 10.00** 10.00** 11.00** 10.00** 10.00** 10.00** 10.00** 10.00** 11.00** 10.00** 10.00** 10.00** 10.00** 10.00** 11.00** 10.00** 10.00** 10.00** 10.00*** 10.00***		_	Subarea :		Hobbs	bbs				
Distance Distance Distance Distance PAS 103 x cmit @ 200 3" 13.87 * 480 * 480 # 48 @ 200 3" Fig. State Note that Common										_
County: Lot State: New Mexico 13-38** Here Mexico Tot 2-36** Tot 2-36*** Tot 2-36*** To			Legal Descr	iption :		50' FWL, Sec	. 27, T21	S, R37E		_
Field Diminant Contrastic Diminant Diminant Contre words are common example, dec TOC 05 Surface Surface Contre words are common example, dec TOC 05 Surface Contre words are common example, dec TOC 05 Surface Lease Sorial No. LC032209A Simulation Field Jup of Sait 05 - Tag Top of Sait 05 100' 150' - Tag Lease Sorial No. LC032209A Simulation Field Jup of Sait 05 100' 150' - Tag Simulation Marx Marx Top of Sait 05 100' 150' - Tag Top of Sait 05 200' 150' - Tag Simulation Simulation Simulation Top of Sait 05 200' 150' - Tag Top of Sait 05 20' 150' - Tag Simulation Simulation Simulation Top of Sait 05 20' 150' - Tag Simulation Simulation Simulation Simulation Top of Sait 05 20' 150' - Tag Simulation Simulation Simulation Simulation Top of Sait 05 20' 150' - Tag Simulation Simulation Simulation Simulation Top of Sait 05 20' 150' - Tag Simulation Simulation Simulation Simulation Fait 1'and 050' 100' 100' 100' 100' 100' 100' 100'			County		-	State -	New M	levico.	<u></u>	_
Curret webb as Common exmint, cr: TCC @ Surface Date Spudde:: Aug 211847 Itig Researce Date 30245482 PAS Base on @ 1300*1250*-Teg Top of Saft @ 1300* Pas Sain: Los. Max. Max. Max. PAS Base on @ 1300*1250*-Teg Top of Saft @ 1300* Top of Saft @ 1300* <t< td=""><td></td><td></td><td>•</td><td></td><td></td><td></td><td></td><td></td><td></td><td>_</td></t<>			•							_
Status: Lease Serial No. LC032096A PAS 8 00x cmt @ 1300-1220 - Teg Top of Sat @ 1300' Tob - Ata * Source Max Max Toc 0 - Ata* Cog @ 1400' (T.3.) Toc 0 - Ata* Cog @ 1400' (T.3.) Interval Date Type Source 300 Toc 0 - Ata* Cog @ 1400' (T.3.) Toc 0 - Ata* Cog @ 1400' (T.3.) Interval Date Type Source 300 PAS 8 00x cmt @ 1300-1220' Toc 0 - Ata* Cog @ 1400' (T.3.) Toc 0 - Ata* Cog @ 1				ed :		Rig Relea	sed: I	Dec 30,19	47	_
PAS 8 Dax emt @ 1350-1230 - Tag Top of 38 de 1300" Los Max Date Max Somulation History: 100 Date Type of 38 de 1300" Type of 38 de 1300" Type of 38 de 1300" 100/127 Perf 653-7677 de 757 will 58 de 1300" 100/127 Perf 653-7677 de 757 will 58 de 130" 100/127 Perf 653-7677 de 757 will 58 de 130" 100/127 Perf 653-7677 de 757 will 58 de 130" 100/127 Perf 653-7677 de 757 will 58 de 130" 100/127 Perf 653-7677 de 757 will 58 de 130" 100/127 Perf 140 de 1576 ge 343-560, 857.0 200/127 de 130" 100/127 Perf 140 de 1576 ge 343-560, 857.0 200/127 de 130" 100/127 Perf 140 de 1576 ge 343-560, 857.0 200/127 de 130" 100/127 Perf 140 de 1576 ge 343-560, 857.0 200/127 de 130" 100/127 Perf 140 de 1576 ge 350.0 30.00 70.0 200/127 de 130" 100/127 Perf 140 de 1576 ge 350.0 30.00 30.00 70.0 200/127 200/127 de 130" 200/127 de 130" 200/127 de 130" 200/127 200/127 de 130" 200/127 de 130" 200/127 200/127 de 130" 200/127 200/127 200/127 200/127 200/127 200/127 200/127 200/127 200/127 200/127		TOC @ Surface	API Number	•:	30-025-06802					
Base of Sate @ 1350*1220*7 ag Top of Sate @ 1350*1220*7 ag Top of Sate @ 1350*1220*7 ag Top 0 f Sate @ 120************************************			Status:							
PASE 80x.cm (g) 1300-1220* Tag Top of Sin (g) 1300* (T.S.) Tues Use Nax Max 109.47 Perf 647-4572 w/l 8 SPF Action 1107 Top of Sin (g) 1300* (T.S.) 109.47 Perf 647-4572 w/l 8 SPF Action 1000 1000		Lease Serial No. I					LC032	096A		
PASE 80x.cm (g) 1300-1220* Tag Top of Sin (g) 1300* (T.S.) Tues Use Nax Max 109.47 Perf 647-4572 w/l 8 SPF Action 1107 Top of Sin (g) 1300* (T.S.) 109.47 Perf 647-4572 w/l 8 SPF Action 1000 1000			Stimulation	History:						
PBS 400s cont @ 150°/120° - Tag 100/14° Perf 557-572 w/s SPF TO C 5.48° Cag @ 140° (T.5.) 567.4572 W S SPF TO C 5.48° Cag @ 140° (T.5.) 567.4572 W S SPF Set 4.672 W S SPF 500 TO C 5.48° Cag @ 140° (T.5.) 100/14° Perf 557.4572 w/s SPF Set 4.672 W SPF 100/14° TO C 5.48° Cag @ 140° (T.5.) 100/14° Perf 957.6577 w/ 10 ax Set 4.672 Set 51.27 Cag @ 443.5027, 651.4523, 853.4528 653.4528 Set 6.672 W SPF 1000 100 1222427 Acd 100 2,300 400 RS 122262 Set 1.400 (S SE Set 1.400, 27.49° 2,300 300, 021, 417, 422, 122 Set 8.652 155 H.61 300 3100 V/c2 Set 8.653 155 H.61 700 100 V/c2 Set 8.651 155 H.61 700 100 V/c2 Set 8.651 155 H.61 1000 100 V/c2 Set 8.651 100 V/c2 100 V/c2 100 V/c2 Set 8.652 100 V/c2 100 V/c2 <							Lbs.	Max	Ма	x
TOP of Salt @ 1300' 103/47 Perf 657/-6572 w/ 6 SPF Add 560 560 560 TOC 5-9.08" Csg @ 1460' (T.S.) Add 560 TOC 5-9.08" Csg @ 1460' (T.S.) Add 560 Base of Salt @ 2300' 120/47 Perf 4584-6553.65 5605-6372 122/47 Perf W is SPF @ 6537.657 120/47 Sep file 563-6572 1000 122/282 Set 5-1/47' Cliff @ 6576 1000 1000 1000 122/282 Set 5-1/47' Cliff @ 6576 122/282 Set 5-1/47' Cliff @ 6576 122/282 122/282 Set 5-1/47' Cliff @ 6576 122/282 Set 5-1/47' Cliff @ 6576 122/282 123/16* 106 @ 7567 122/282 Set 5-1/47' Cliff @ 6576 122/282 155 H/Cliff 123/17* 106 @ 7576 122/282 155 H/Cliff 156 H/Cliff 150/20 123/17* 106 @ 7576 122/282 122/282 155 H/Cliff 150/20 3000 Vac 124/17* Hole @ 7577 122/282 122/282 155 H/Cliff 120/20 300.0 Vac 125/17* Cliff @ 6707 52/37 12/37 12/37/11 Neu Kliff @ 1000 10			Interval	Date	Туре	<u>Gais</u>	<u>Sand</u>	Press	<u>ISIP</u> Ra	te Dow
TOC 5-56° Csg @ 146° (T.5.) Col 2 -5.6° Csg @ 146° (T.5.) TOC 5-56° Csg @ 146° (T.5.) TOC 5-56° Csg @ 146° (T.5.) TOC 5-56° Csg @ 146° (T.5.) Sole 177 4-34° Hole 122447 Sole 177 4-34° Hole 122428 Fort with 29° (650, 652 x 656 st) 6537 - 6581 Sole 400 (7.5.) 948 - 5581 122082 948 - 5581 1200 (7.5.) 948 - 551 156 (Hol Act Frac 3.60) (310 (0.11) (317, 417, 422, 117) (117) 948 - 561 12202 (318) (10) (117) 122147 Sole 1600 (118) (10) (118) (100 (118) (117)										
TOC 5-56" Csg @ 1460' (T.5.) 1011147 Perf 6548-6555. & 6538-6654. Acid 1000 12/16/47 Despen from 6576' to 6577.430" Hole 8648-6572 Acid 1000 12/16/47 Despen from 6576' to 6577.430" Hole 654-6572 8648-655. 6538-8646.655.6538-8646.657.857.2 867-6572 8.0 12/16/47 Despen from 6576' to 6577.77 will back 8.0 12/2007 Perf will SPT get 6587.6552.6566.658.2658.658.2652.6552.6566.658.2658.658.2652.6566.658.2652.6566.658.2658.658.2652.6566.658.2658.658.2658.658.2658.658.2658.658.2658.658.2658.658.2658.658.2658.658.2658.658.2658.2		Top of Salt @ 1300	6567 6573	10/8/47						
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12/24/3 Sizp ports 6548-6555, 0569-6542, 6567-6572 2.016 577-6577 will 0 sx 10 x 12/24/3 Pert will 5 SPE @ 6630-5505, 6518-6523, 6525-6538 12/24/3 Pert will 5 SPE @ 6630, 6522, 6506 12/22/25 Pert will 5 SPE @ 6630, 5505, 6518, 6522, 6525, 6518 12/22/27 Pert will 5 SPE @ 6530, 5503, 6518, 6452, 6525, 6525 12/22/27 Pert will 5 SPE @ 6530, 5503, 6518, 6452, 6525 12/22/28 Pert will 5 SPE @ 6530, 5503, 6518, 6452, 6525 12/22/27 Pert will 5 SPE @ 6530, 5503, 6518, 6452, 6525 12/22/28 Pert will 5 SPE @ 6530, 5503, 6518, 6452, 6525 12/22/27 Pert will 5 SPE @ 6530, 5503, 6518, 6452, 6525 12/22/28 Pert will 5 SPE @ 6530, 5503, 6518, 6452, 6525 12/22/28 Pert will 5 SPE @ 6530, 5503, 6518, 6452, 6525 12/22/29 Pert will 5 SPE @ 6530, 5503, 6518, 6452, 6525 12/22/29 Pert will 5 SPE @ 6530, 5503, 6518, 6450, 6527, 5500' 12/22/29 Pert will 5 SPE @ 6530' 12/22/20 Pert will 5 SPE @ 6530'	anal ang San		6548-6572							
Base of Saft @ 2300' Base of Saft @ 2300' P45 190s cmt @ 2300' Past of Saft @ 2300' P55 190s cmt @ 279' Saft 362 x 105 x 100 x				12/16/47	Deepen from 657	'6' to 6677'; 4	I-3/4" Ho	le		
122/247 Pert will SPF@_gds35_6226_562_652_653 6430.6533 551-6532_652_653_652_6552_65				12/24/47			6567-	6572		
643-653 122247 Acid 1,000 943 Base of Sait @ 230' 222228 584 -172' CIBP @ 657' 1222228 Set -172' CIBP @ 657' 122228 585 -1858 122228 Set -172' CIBP @ 657' 122228 585 -1858 122282 Set -172' CIBP @ 657' 122282 585 -1658 122282 Set -172' CIBP @ 657' 122282 158 + HCl 2.56 -568 - 568 122482 TOC & 122' CIBP @ 538', 583, 533, 543, 643, 6432, ad38, 337, 6430, 6437, 6429, 6432, 6432, ad48, 6432 and 6465 158 + HCl 1000 - 0.000 Set -12' CIBP @ 538' 158 + HCl 1000 100 Vac - 0.000 @ 1460' (T.S.) Set -12' CiBP @ 530' 158 + HCl 1000 100 Vac - 0.000 @ 1460' (T.S.) Sept 59ax cmt @ 519'-5015' 100 Vac 100 Vac 100 Vac - 0.000 @ 1460' (T.S.) Sept 59ax cmt @ 519'-5015' Sept 59ax cmt @ 519'-5015' 100 Vac 100 Vac - 0.000 @ 110 Vac Sept 59ax cmt @ 519'-5015' Sept 59ax cmt @ 519'-5015' 100 Vac 100 Vac - 0.000 @ 110 Vac Sept 59ax cmt @ 519'-5015' Sept 59ax cmt @ 519'-5015' 100 Vac 100 Vac - 0.000				12/24/47			518 6500	6575	28 8 6E2F	6529
122202 Pert wil 35PC gots0, 6552, 6560, 6552, 6566 Base of Sait @ 230' 2,582 Base of Sait @ 230' 2,582 P45 190s x cmt @ 2759'2340' - Tag 12,2202 12.414' Hole @2756' 6386-465 P.5.8'' 358 J.55 1.41.0 @2746' 123002 Cmtd w Hole X common cament 750 (Cumped down annulus) TOC @ 1460' (T.S.) 548 A46, 642 and 645 Spot 59ax cmt @ 530'-5965' - Tag 88 P. @ 6380' RBP @ 6380' 6358-465 Spot 59ax cmt @ 530'-5965' - Tag 88 P. @ 6380' Base of Sait @ 230' 811/1 RBP @ 6380' Anhydria Dinhard 5388-465 C3588-465 12/11' Ren Compensate/ Netion tog from 6300' to surface Spot 59ax cmt @ 5380'-5965' - Tag RBP @ 6380' Base 645 12/11' Ren Compensate/ Netion tog from 6300' to surface Spot 59ax cmt @ 5380'-5965' - Tag 88-465 Base 645 12/11' Ren Compensate/ Netion tog from 6300' to surface Spot 59ax cmt @ 5380'-5965' - Tag 88-465 Compensate/ Netion Soc 12/11' Ren Compensate/ Netion Soc Compensate/ Netion Soc 12/11' Ren Compensate/ Netion Soc Comtda woo ax<	77 99 7 1 7 1 99		6493-6538		-		010-0023	, 0020-00	20 01 00000-	
122202 Pert wil 35PC gots0, 6552, 6560, 6552, 6566 Base of Sait @ 230' 2,582 Base of Sait @ 230' 2,582 P45 190s x cmt @ 2759'2340' - Tag 12,2202 12.414' Hole @2756' 6386-465 P.5.8'' 358 J.55 1.41.0 @2746' 123002 Cmtd w Hole X common cament 750 (Cumped down annulus) TOC @ 1460' (T.S.) 548 A46, 642 and 645 Spot 59ax cmt @ 530'-5965' - Tag 88 P. @ 6380' RBP @ 6380' 6358-465 Spot 59ax cmt @ 530'-5965' - Tag 88 P. @ 6380' Base of Sait @ 230' 811/1 RBP @ 6380' Anhydria Dinhard 5388-465 C3588-465 12/11' Ren Compensate/ Netion tog from 6300' to surface Spot 59ax cmt @ 5380'-5965' - Tag RBP @ 6380' Base 645 12/11' Ren Compensate/ Netion tog from 6300' to surface Spot 59ax cmt @ 5380'-5965' - Tag 88-465 Base 645 12/11' Ren Compensate/ Netion tog from 6300' to surface Spot 59ax cmt @ 5380'-5965' - Tag 88-465 Compensate/ Netion Soc 12/11' Ren Compensate/ Netion Soc Compensate/ Netion Soc 12/11' Ren Compensate/ Netion Soc Comtda woo ax<	ninger I die Alexander		2.23 0000							
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BUREAU OF LAND MANAGEMENT Carlsbad Field Office 620 East Greene Street Carlsbad, New Mexico 88220 575-234-5972

Permanent Abandonment of Federal Wells Conditions of Approval

Failure to comply with the following Conditions of Approval may result in a Notice of Incidents of Noncompliance (INC) in accordance with 43 CFR 3163.1.

1. Plugging operations shall commence within <u>ninety (90)</u> days from the approval date of this Notice of Intent to Abandon.

If you are unable to plug the well by the 90th day provide this office, prior to the 90th day, with the reason for not meeting the deadline and a date when we can expect the well to be plugged. Failure to do so will result in enforcement action.

The rig used for the plugging procedure cannot be released and moved off without the prior approval of the authorized officer. Failure to do so may result in enforcement action.

2. <u>Notification</u>: Contact the appropriate BLM office at least 24 hours prior to the commencing of any plugging operations. For wells in Chaves and Roosevelt County, call 575-627-0272; Eddy County, call 575-361-2822; Lea County, call 575-393-3612.

3. <u>Blowout Preventers</u>: A blowout preventer (BOP), as appropriate, shall be installed before commencing any plugging operation. The BOP must be installed and maintained as per API and manufacturer recommendations. The minimum BOP requirement is a 2M system for a well not deeper than 9,090 feet; a 3M system for a well not deeper than 13,636 feet; and a 5M system for a well not deeper than 22,727 feet.

4. <u>Mud Requirement:</u> Mud shall be placed between all plugs. Minimum consistency of plugging mud shall be obtained by mixing at the rate of 25 sacks (50 pounds each) of gel per 100 barrels of **brine** water. Minimum nine (9) pounds per gallon.

5. <u>Cement Requirement</u>: Sufficient cement shall be used to bring any required plug to the specified depth and length. Any given cement volumes on the proposed plugging procedure are merely estimates and are not final. Unless specific approval is received, no plug except the surface plug shall be less than 25 sacks of cement. Any plug that requires a tag will have a minimum WOC time of 4 hours.

In lieu of a cement plug across perforations in a cased hole (not for any other plugs), a bridge plug set within 50 feet to 100 feet above the perforations shall be capped with 25 sacks of cement. If a bailer is used to cap this plug, 35 feet of cement shall be sufficient. Before pumping or bailing cement on top of CIBP, tag will be required to verify depth. Based on depth, a tag of the cement may be deemed necessary.

Unless otherwise specified in the approved procedure, the cement plug shall consist of either Neat Class "C", for up to 7,500 feet of depth or Neat Class "H", for deeper than 7,500 feet plugs.

6. <u>Dry Hole Marker</u>: All casing shall be cut-off at the base of the cellar or 3 feet below final restored ground level (whichever is deeper). The BLM is to be notified a minimum of 4 hours prior to the wellhead being cut off to verify that cement is to surface in the casing and all annuluses. Wellhead cut off shall commence within ten (10) calendar days of the well being plugged. If the cut off cannot be done by the 10th day, the BLM is to be contacted with justification to receive an extension for completing the cut off.

The well bore shall then be capped with a 4-inch pipe, 10-feet in length, 4 feet above ground and embedded in cement, unless otherwise noted in COA (requirements will be attached). The following information shall be permanently inscribed on the dry hole marker: well name and number, name of the operator, lease serial number, surveyed location (quarter-quarter section, section, township and range or other authorized survey designation acceptable to the authorized officer such as metes and bounds).

7. <u>Subsequent Plugging Reporting</u>: Within 30 days after plugging work is completed, file one original and three copies of the Subsequent Report of Abandonment, Form 3160-5 to BLM. The report should give in detail the manner in which the plugging work was carried out, the extent (by depths) of cement plugs placed, and the size and location (by depths) of casing left in the well. <u>Show date well was plugged.</u>

8. <u>Trash</u>: All trash, junk and other waste material shall be contained in trash cages or bins to prevent scattering and will be removed and deposited in an approved sanitary landfill. Burial on site is not permitted.

Following the submission and approval of the Subsequent Report of Abandonment, surface restoration will be required. See attached reclamation procedure.

J. Amos 3/6/11

Requirements for ground level dry hole markers <u>Well Identification Markers</u> Conditions of Approval (COA)

The BLM Carlsbad Field Office (CFO) Conditions of Approval (COA) Requires that ground level dry hole markers be placed on well within the Lesser Prairie Chicken habitat area. The dry hole markers will be to the following specifications. The operator will construct the markers as follows:

- 1. An 8 inch X 8 inch steel plate 1/8 to 3/16 of an inch thick is to be placed on the old dry hole marker stand pipe 2 inches from ground level, in the Lesser Prairie Chicken habitat area.
- 2. Steel plate may be welded or bolted approximately 2 inches from ground level on the stand pipes. If plates are bolted to the stand pipe, the person installing the plate will be required to weld a pipe collar on the plate and place a minimum of two set screws/bolt on each collar. Aluminum data plates may be bolted with minimum ¹/₄ inch bolt and locking nuts or self tapping fine threaded screws. A minimum of one in each corner is to be installed on each plate.
- 3. An 8 inch x 8 inch aluminum plate, which is 12 gauge or .080 sign material (1/8 inch aluminum plate may be used in place of the .080 plate) with the required information for that well stamped or engraved in a minimum 3/8 inch tall letter or number.
- 4. The following information will be stamped or engraved on the 8 inch X 8 inch aluminum plate in the following order.
 - a. First row: Operators name
 - b. Second row: Well name and number
 - c. Third row: Legal location to include ¹/₄ ¹/₄, Section, Township, and range. If the legal location cannot be placed on one row it can be split into two rows with the ¹/₄ ¹/₄ (example: 1980 FNL 1980 FWL) being on the top row.
 - d. Fourth row: Lease Number and API number.
 - i. Example marker plate: (attached)

NMOCD Order No. R-12965 also required the operator to notify NMOCD when this type of dry hole marker is used. This can be done on the subsequent report of abandonment which is submitted to the BLM after the well is plugged. State that a ground level dry hole marker was installed as required in the COA's from the BLM.



United States Department of the Interior

BUREAU OF LAND MANAGEMENT Carlsbad Field Office 620 E. Greene St. Carlsbad, New Mexico 88220-6292 www.blm.gov/nm



In Reply Refer To: 1310

Reclamation Objectives and Procedures

Reclamation Objective: Oil and gas development is one of many uses of the public lands and resources. While development may have a short- or long-term effect on the land, successful reclamation can ensure the effect is not permanent. During the life of the development, all disturbed areas not needed for active support of production operations should undergo "interim" reclamation in order to minimize the environmental impacts of development on other resources and uses. At final abandonment, well locations, production facilities, and access roads must undergo "final" reclamation so that the character and productivity of the land and water are restored.

The long-term objective of final reclamation is to set the course for eventual ecosystem restoration, including the restoration of the natural vegetation community, hydrology, and wildlife habitats. In most cases this means returning the land to a condition approximating or equal to that which existed prior to the disturbance. The final goal of reclamation is to restore the character of the land and water to its predisturbance condition. The operator is generally not responsible for achieving full ecological restoration of the site. Instead, the operator must achieve the short-term stability, visual, hydrological, and productivity objectives of the surface management agency and take steps necessary to ensure that long-term objectives will be reached through natural processes.

To achieve these objectives, remove any and all contaminants, scrap/trash, equipment, pipelines and powerlines. Strip and remove caliche, contour the location to blend with the surrounding landscape, redistribute the native soils, provide erosion control as needed, rip and seed as specified in the original APD COA. This will apply to well pads, facilities, and access roads. Barricade access road at the starting point. If reserve pits have not reclaimed due to salts or other contaminants, submit a plan for approval, as to how you propose to provide adequate restoration of the pit area.

- The Application for Permit to Drill or Reenter (APD, Form 3160-3), Surface Use Plan of Operations must include adequate measures for stabilization and reclamation of disturbed lands. Oil and Gas operators must plan for reclamation, both interim and final, up front in the APD process as per Onshore Oil and Gas Order No. 1.
- 2. For wells and/or access roads not having an approved plan, or an inadequate plan for surface reclamation (either interim or final reclamation), the operator must submit a proposal describing the procedures for reclamation. For interim reclamation, the appropriate time for submittal would be when filing the Well Completion or Recompletion Report and Log (Form 3160-4). For final reclamation, the appropriate time for submittal would be when filing the Notice of Intent, or the Subsequent Report of Abandonment, Sundry Notices and Reports on Wells (Form 3160-5). Interim reclamation is to be completed within 6 months of well completion, and final reclamation is to be completed within 6 months.
- 3. The operator must file a Subsequent Report Plug and Abandonment (Form 3160-5) following the plugging of a well.
- 4. Previous instruction had you waiting for a BLM specialist to inspect the location and provide you with reclamation requirements. If you have an approved Surface Use Plan of Operation and/or an approved Sundry Notice, you are free to proceed with reclamation as per approved APD. If you have issues or concerns, contact a BLM specialist to assist you. It would be in your interest to have a BLM specialist look at the location and access road prior to the removal of reclamation

equipment to ensure that it meets BLM objectives. Upon conclusion submit a Form 3160-5, Subsequent Report of Reclamation. This will prompt a specialist to inspect the location to verify work was completed as per approved plans.

- 5. The approved Subsequent Report of Reclamation will be your notice that the native soils, contour and seedbed have been reestablished. If the BLM objectives have not been met the operator will be notified and corrective actions may be required.
- 6. It is the responsibility of the operator to monitor these locations and/or access roads until such time as the operator feels that the BLM objective has been met. If after two growing seasons the location and/or access roads are not showing the potential for successful revegetation, additional actions may be needed. When you feel the BLM objectives have been met submit a Final Abandonment Notice (FAN), Form 3160-5, stating that all reclamation requirements have been achieved and the location and/or access road is ready for a final abandonment inspection.
- 7. At this time the BLM specialist will inspect the location and/or access road. If the native soils and contour have been restored, and the revegetation is successful, the FAN will be approved, releasing the operator of any further liability of the location and/or access road. If the location and/or access road have not achieved the objective, you will be notified as to additional work needed or additional time being needed to achieve the objective.

If there are any questions, please feel free to contact any of the following specialists:

Jim Amos Supervisory Envir

Supervisory Environmental Protection Specialist 575-234-5909, 575-361-2648 (Cell)

Terry Gregston Environmental Protection Specialist 575-234-5958

Bobby Ballard Environmental Protection Specialist 575-234-2230

Randy Rust Natural Resource Specialist 575-234-5943

Linda Denniston Environmental Protection Specialist 575-234-5974

Jennifer Van Curen Environmental Protection Specialist 575-234-5905

Justin Frye Environmental Protection Specialist 575-234-5922 Cody Layton Natural Resource Specialist 575-234-5959

Trishia Bad Bear Natural Resource Specialist 575-393-3612

Todd Suter Surface Protection Specialist 575-234-5987

Doug Hoag Civil Engineering Technician 575-234-5979

Tanner Nygren Natural Resource Specialist 575-234-5975

John Fast Natural Resource Specialist 575-2345996