,	Submit 1 Copy To Appropriate District Office	State of N	lew Me	exico		Form	n C-103			
	(<u>District]</u> – (575) 393-6161 1625 N. French Dr., Hobbs, NM 88240	Energy, Minerals a	nd Natu	iral Resources	WELL API NO.					
	District II – (575) 748-1283	OIL CONSERV.		IDIVISION	30-015-28669					
	811 S. First St., Artesia, NM 88210 District III – (505) 334-6178	1220 South	St. Frai	cis Dr	5. Indicate Typ	be of Lease				
	1000 Rio Brazos Rd., Aztec, NM 87410 District IV - (505) 476-3460	Santa Fe.	NM 87	7505	STATE	Gas Lease No				
	1220 S. St. Francis Dr., Santa Fe, NM 87505				0. State Off &	Clas Lease IVO.				
ſ	SUNDRY NOT	ICES AND REPORTS ON	WELLS		7. Lease Name	or Unit Agreement	Name			
	(DO NOT USE THIS FORM FOR PROPO DIFFERENT RESERVOIR. USE "APPL PROPOSALS)	DSALS TO DRILL OR TO DEEPE ICATION FOR PERMIT" (FORM	EN OR PLU C-101) FC	UG BACK TO A DR SUCH	Binger AKU	er				
	1. Type of Well: Oil Well	Gas Well 🗌 Other N	MOIL			-				
	2. Name of Operator		ARI	ESIA DISTRICT	9. OGRID Nur	nber				
ł	3. Address of Operator	<u> </u>	FE	B 2 6 2019	10. Pool name	or Wildcat				
	104 South Fourth Street, Artesia, 1	NM 88210			Wildcat; Bone	Spring				
ľ	4. Well Location		F	RECEIVED	I					
	Unit Letter <u>G</u> :	1980 feet from the	North	line and	1980 feet fro	om the East	line			
	Section 29	Township 19	S Rai	nge 25E	NMPM E	ddy County				
		, II. Elevation (Show whe	ther DR, 3518	RKB, RT, GR, etc.)						
ł	and a construction of the second s		5510							
	12. Check	Appropriate Box to Indi	icate N	ature of Notice,	Report or Othe	er Data				
		PLUG AND ABANDON		REMEDIAL WOR		ALTERING CAS	ING 🗖			
	TEMPORARILY ABANDON	CHANGE PLANS	<u>.</u>	COMMENCE DRI		P AND A				
	PULL OR ALTER CASING	MULTIPLE COMPL		CASING/CEMENT	г ЈОВ 🔲					
		-								
_	OTHER:			OTHER:						
	13. Describe proposed or comp	pleted operations. (Clearly s	tate all p	bertinent details, and	l give pertinent de	ates, including estin	nated date			
	or starting any proposed w proposed completion or red	ork). SEE RULE 19.15.7.14 completion.	4 NMAU	. For Multiple Con	npietions: Attach	i welloore diagram	01			
		-								
ł	OG Resources, Inc. plans to plug and	abandon this well as follows:		Noli	VOCD 24 hr	rs. prior to				
1	 MIRU all safety equipment as needed BIH with GR/IB to 5420' 	ed. POOH with production equ	ipment.		GIV WERK	one.				
3	B. Set a CIBP at 5370' with 35' Class '	"C" cement on top.								
4	 Spot a 25 sx Class "C" cement plug Spot a 25 sx Class "C" cement plug 	from 3662'-3804'. This plug th	ne Bone S	pring. origta						
ē	5. Perforate at 1200'. Attempt to estab	lish circulation. $1 \ge 50$	·P	bes not Cir	с.					
7	7. Spot a 25 sx Class "C" cement plug	from 1058'-1200'. This will plug	ug 9-5/8" The San 7	casing shoe.						
ç	 Spot a 25 sk Class C comon plug Spot a 10 sx Class "C" cement plug 	from \$72 up to surface. Par	A Q	100' + Attan	not to Circ	. to Surf.				
1	0. Top off, cut off wellhead and weld o	on dry hole marker. Clean locat	tion as pe	r regulated.						
)	Wellbore schematics attached									
			D.							
2	Spud Date:	Kig Ke	lease Da			, ,				
1	K See Attached	- CoAi	M	stbe Plu	red by	2/28/20				
7	hereby certify that the information	abqve is true and complete	to the be	est of my knowledge	and belief.					
5	SIGNATURE (Luc)	TITLE	E <u> </u>	egulatory Specialist	DATE	February 26, 201	9			
J	Type or print name Tina Hu	erta E-mail addre	ess: tin	a huerta@eogresou	<u>irces.com</u> P	PHONE: <u>575-748</u>	-4168			
l	For State Use Only		\sim	N -						
ł	APPROVED BY:	TITLE,	STA	H Mgr	D	DATE 2/28/1	9			
(Conditions of Approval (if any):			6	[]		5			
						4, 2, 1, 19))			

	BINGER AKU #2		11/6/2	018									
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			2	1	Tubing Anchor/catcher	3.00	7				5,357.50	5,360,50	
			3	6	Tubing	195.00	2 7/8	2.441	J-55	6.4	5,360.50	5,555.50	
		er ik	4	1	Seating Nipple	1.00	2 7/8				5,555.50	5,556.50	
			_ 5	1	Slotted Sub	4.00	27/8				5,556.50	5,560.50	
			6	3_	Tubing	97.50	2 7/8	2.441	J-55	6.4	5,560.50	5,658.00	
			_ 7	1	Bult Plug	1.00	2 7/8				5,658,00	5,659.00	
		15 (1999) 25 (1997)											
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			Rods							· <u> </u>			
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			2	1	Rod Sub	6.00	1		-3.00	3.00		(
			3	69	Rod Sub Sucker Rods - Norris	8.00	1	N-90	3.00	1736.00		<u> </u>	
			5	73	Sucker Rods - Norris	1825.00	7/8	N-90	1736.00	3561.00			
			6	69	Sucker Rods - Norris	1725.00	3/4	N-80	3561.00	5266.00			
			8	1	25-200-RHBC - 24- 4	230.00	2	14-50	5536.00	5560.00			
Perforations 5420-5482				<u> </u>					<u> </u>	<u>+</u>		┨───┤	
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CIBP 5860' with 35' cmt				·	· · · · · · · · · · · · · · · · · · ·			••	•	····		·	
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CIBP 7480' with 35' cmt													
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CIBP 7520 c 35 ' cmt			SICP +	500 PS	I Safety Factor								
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COMMENTS Prog #5 Prog #5 Prog #6 Prog #5 Prog #6 Prog #5 Prog #6 Prog #6 DESCRIPTION Formation Top Sen Anders TOp Good Bon 2 55 K1 (120 f) CLS C common fulg 2021 - 3004 R. This will plug the Bone Spring 9 up #5 Prog #2 Prog #3 Description Prog #3 Description Prog #2 Prog #2 Prog #2 Prog #2 Prog #2 Prog #2	COMMENTS Plug #6				1910			11/6/2018													
Phig #6 Casing DETAIL e SizE VOHT GRADE THREAD Too Bottom Out Tork at A 968 38 4.55 10 1.150 tool A 968 38 4.55 0 1.150 tool B 7 28 4.80 0 1.550 150 tool Plug #5 Plug #6 Plug #7 Plug #2 Plug #2 </th <th>Plug #6</th> <th></th> <th></th> <th>10 C</th> <th colspan="8">COMMENTS</th> <th colspan="9"></th>	Plug #6			10 C	COMMENTS																
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Plug #5 Plug #5 Plug #5 Plug #4 Plug #5 Plug #2 Plug #5 Set CLBP # 13270 fwith 35 ft of CLS C onto the plug 382.01-3064 ft. This will plug the Bone Spring. Plug #6 Plug #2 Plug #2 Spot a 25 SX (142 ft 0.15 C content plug 313 ft - 725 ft. This will plug the Bone Spring. Plug #2 Spot a 25 SX (142 ft 0.15 C content plug 313 ft - 725 ft. This will plug the Bone Spring. Plug #2 Spot a 25 SX (142 ft 0.15 C content plug 313 ft - 725 ft. This will plug the Bone Spring. Plug #2 Spot a 25 SX (142 ft 0.15 C content plug 313 ft - 725 ft. This will plug the Bone Spring. Plug #2 Spot a 25 SX (142 ft 0.15 C content plug 313 ft - 725 ft. This will plug the Bone Spring. Plug #2 Spot a 25 SX (142 ft 0.15 C content plug 313 ft - 725 ft. This will plug the Bone Spring. Spot a 25 SX (142 ft 0.15 C content plug 13 ft - 725 ft. This will plug the Bone Spring. Spot a 25 SX (142 ft 0.15 C content plug 10 ft - 57 ft. This will plug the Bone Spring. Spot a 25 SX (142 ft 0.15 C content plug 13 ft - 725 ft. This will plug the Bone Spring. Spot a 25 SX (142 ft 0.15 C content plug 10 ft - 57 ft. This will plug the Top. ClBP 74507 ct 35 ' cmt Performations 7686 - 7792 ClBP 75507 ct 35 ' cmt Prespared			22 10 10	羅			7	28	N-90			8 340	1450	150 mm	<u> </u>						
Prog #5 Prog #6 Plug #6 A Plug #6 Plug #6 Plug #7 Plug #6 Plug #6 Plug P1 Plug #6 Plu			4 	1 A		C C	† • • •				<u> </u>	0.040	1450	130 3/3	+						
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Plug #5 Plug #5 Plug #5 # Plug #6 # Spot a 25 SX (142 %) CLS C commer plug 382 % - 3804 %. This will plug the Bone Spin 3 Spot a 25 SX (142 %) CLS C commer plug 382 % - 3804 %. This will plug the Bone Spin 3 Spot a 25 SX (142 %) CLS C commer plug 382 % - 3804 %. This will plug the Bone Spin 4 Spot a 25 SX (142 %) CLS C commer plug 382 % - 3804 %. This will plug the Bone Spin 5 Spot a 25 SX (142 %) CLS C commer plug 312 * -2274 % L 471 % ULS C commer plug 312 * -2274 % L 471 % ULS C commer plug 313 * -725 % This will plug the San Andera 6 Spot a 12 SX (142 %) CLS C commer plug 01 * -57 % This will plug the San Andera 7 Spot a 25 SX (142 %) CLS C commer plug 01 * -57 % This will plug the Top. Plug #2 #						Format	ion		Тор												
Bio resping 2224.00 3754.00 Plug #5 Plug #5 Plug #5 Plug #5 Plug #4 Image: Source in the state in the sta			湯酸	93 28		San An	ders		705.00												
Plug #5 # # # DESCRIPTION 1 Sect CIBP at 5370 ft with 35 ft CLS Comment plug 3682 ft - 3804 ft. This will plug the Bone Sping 2 Plug #4 # # DESCRIPTION 1 1 Sect CIBP at 5370 ft with 35 ft CLS Comment plug 3682 ft - 3804 ft. This will plug the Bone Sping 2 Plug #4 # # DESCRIPTION 1 3 Spot a 25 SX (142 ft) CLS Comment plug 3682 ft - 3804 ft. This will plug the Bone Sping 2 Plug #3 Spot a 25 SX (142 ft) CLS Comment plug 312 ft - 2274 ft. This will plug the Bone Sping ft - 325 ft. This will plug the Sping ft - 325 ft. 120 ft. This will plug the Sping ft - 325 ft. 120 ft. This will plug the Sping ft - 325 ft. 120 ft. This will plug the Sping ft - 325 ft. 120 ft. This will plug the Top. Plug #1 # # # # Plug #1 # # # # # Plug #1 # # # # # # Plug #2 Plug #3 ft - 756 ft # # # # # CIBP 7520* c 33 ' cmt # # # # # # #						Glorieta	1		2224.00												
Plug #5 PLUG DETAIL. DESCRIPTION 7681.00 1 Set CIBP at 5370 ft with 35 ft of CLS C on top. 2 Spol a 25 SX (142 ft) CLS C cernent plug 382 ft - 380 ft. This will plug the Bloet Sp. 3 Spol a 25 SX (142 ft) CLS C cernent plug 213 ft - 2274 ft. This will plug the Bloet Sp. 4 Performation 5 420 ft. This will plug the Sloet At 25 SX (142 ft) CLS C cernent plug 213 ft - 2274 ft. This will plug the Sloet At 25 SX (142 ft) CLS C cernent plug 213 ft - 275 ft. This will plug the Sloet At 25 SX (142 ft) CLS C cernent plug 213 ft - 275 ft. This will plug the Sloet At 25 SX (142 ft) CLS C cernent plug 213 ft - 755 ft. This will plug the Sloet At 25 SX (142 ft) CLS C cernent plug 213 ft - 755 ft. This will plug the Top. Plug #2 Spol a 25 SX (142 ft) CLS C cernent plug 01 ft - 57 ft. This will plug the Top. Plug #2 Spol a 25 SX (142 ft) CLS C cernent plug 01 ft - 57 ft. This will plug the Top. Plug #2 Spol a 10 SX (57 ft) CLS C cernent plug 01 ft - 57 ft. This will plug the Top. Plug #2 Spol a 10 SX (57 ft) CLS C cernent plug 01 ft - 57 ft. This will plug the Top. ClBP 7820 c 33 ' cmt Spol a 10 SX (57 ft) CLS C cernent plug 0 ft - 57 ft. This will plug the Spol at 10 SX (57 ft) CLS C cernent plug 0 ft - 57 ft. This will plug the Spol at 10 SX (57 ft) CLS C cernent plug 0 ft - 57 ft. This will plug the Spol at 10 SX (57 ft) CLS C cernent plug 0 ft - 57 ft. This will plug the Spol at 10 SX (57 ft) CLS C cernent plug 0 ft - 57 ft. This will plug the Spol at 10 SX (57 ft) CLS C cernent plug						Bone S	pring		3754.00												
Plug #5 Plug #5 Plug #4 # DESCRIPTION 1 Set CIBP at 5370 ft with 35 ft of CLS C centert plug 382.7 - 3804 ft. This will plug the Bone 5p; Plug #4 Plug #3 Plug #4 Plug #3 Plug #3 Plug #3 Plug #4 Plug #3 Plug #4 Plug #3 Plug #4 Plug #3 Plug #3 Plug #3 Plug #4 Perforations \$420-5482 CIBP 7520* c 35 * cmt Perforations 7686 - 7782 Perforations 7686 - 7782 Perforations 7686 - 7782 Properted by: MUM Dut 25*Feb-2019				護		Wolfcar	np		5485.00												
Plug #5 Plug #4 Plug #4 Plug #4 Plug #4 Plug #4 Plug #2 Plug #3 Plug #3 Plug #3 Plug #3 Spot a 25 SX (142 ft) CLS C cernent plug 382 ft - 2374 ft. This will plug the Bone Spi a Spot a 25 SX (142 ft) CLS C cernent plug 382 ft - 2374 ft. This will plug the Bone Spi a Spot a 25 SX (142 ft) CLS C cernent plug 213 ft - 755 ft. This will plug the Bone Spi a Spot a 25 SX (142 ft) CLS C cernent plug 213 ft - 755 ft. This will plug the Son Adder 6 Spot a 25 SX (142 ft) CLS C cernent plug 613 ft - 755 ft. This will plug the Son Adder 6 Spot a 25 SX (142 ft) CLS C cernent plug 0 ft - 57 ft. This will plug the Top. Plug #2 Plug #2 Plug #2 Plug #2 Plug #2 Plug #2 Plug #3 Plug #4 ClBP 7580° vith 35° omt Plug #4 Performations 5420-5482 Plug #3 ClBP 7580° c 35 ° omt Performations 7686 - 7792 Plug #3 Plug #3 Performations 7686 - 7792 Plug #4 Performations 7686 - 7792 Plug #4				marra (影響器	Canyon			7661.00												
Plug #5 Plug #5 <t< td=""><td></td><td><u> 1000</u></td><td></td><td></td><th></th><td></td><td></td><td></td><td></td><td></td><td></td><td>·</td><td></td><td></td><td></td></t<>		<u> 1000</u>										·									
Image as a set of the se	Of us #5	A 22				PLUGI					DE00			···							
Plug #4 2 Spot a 25 SX (142 th) CLS C cement plug 362 th - 3804 ft. This will plug the Bore Spi 3 Plug #3 4 Perforate at 1200 ft. Attempt to establish Circulation. Spot a 25 SX (142 th) CLS C cement plug 2132 th - 227 4th. This will plug the Bore April plug 1050 ft. 1200 ft. Attempt to establish Circulation. Spot a 25 SX (142 th) CLS C cement plug 0 ft 57 ft. This will plug the Bore April plug 1050 ft. 1200 ft. Attempt to establish Circulation. Spot a 25 SX (142 th) CLS C cement plug 0 ft 57 ft. This will plug the Bore April plug 1050 ft. 1200 ft. Attempt to establish Circulation Spot a 25 SX (142 th) CLS C cement plug 0 ft 57 ft. This will plug the Top. Plug #2 Plug #2 Plug #2 Plug #2 Plug #2 CIBP 7520' c 35 ' cmt Perforations 7686 - 7762 CiBP 7520' c 35 ' cmt Perforations 7686 - 7762 Time 10 5.86 MO	F10g #5	柳霞	<u>ration</u> ess:			+	Set Cli	BP at 5370) ft with 35	ft of CLS C	On for	RPTION									
3 Spot a 25 SX (142 ft) CLS C cament plug 2132 ft - 2274 ft. This will plug the Glorient. 4 Perforate at 1200 ft. Attempt to establish Circulation. Spot a 25 SX (142 ft) CLS C cament plug 101gb the 9625 incloasing above. 9 Program 5 9 Spot a 25 SX (142 ft) CLS C cament plug 113 ft - 755 ft. This will plug the San Anders 6 Spot a 25 SX (142 ft) CLS C cament plug 0 ft - 57 ft. This will plug the San Anders 6 Spot a 10 SX (57 ft) CLS C cament plug 0 ft - 57 ft. This will plug the Top. Plug #2 Plug #2 Plug #2 Plug #3 CIBP 58807 with 35' cmt Plug #3 CIBP 7520° c 35 ' cmt Perforations 7686 - 7762 Perforations 7686 - 7762 Programed by Mill 0 600 mm 5.860 MD	Plun #4			99 <u>-799</u>		2	Soot a	25 SX (14	2 ft) CLS (C cement p	ug 3662	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	. This will :	olug the Boo	Sering						
Plug #3 4 Perforate at 1200 ft. Attempt to establish Circulation. Spot a 25 SX (142 ft) CLS C complug 1086 ft. 1200 ft. This will plug the 0.825 inch casing shoe. Spot a 25 SX (142 ft) CLS C coment plug 0 ft3 ft - 755 ft. This will plug the San Anders 6 Spot a 10 SX (57 ft) CLS C cement plug 0 ft - 57 ft. This will plug the Top. Plug #2 Plug #1 Perforations 5420-5482 CIBP 7580° with 35' cmt CiBP 7520° c 35 ' cmt Perforations 7686 - 7782 Num 5.800 Mu Date: 25-Feb-2019	1.09		<u> </u>			3	Spot a	25 SX (14	2 ft) CLS (C cement p	ua 2132	tt - 2274 f	t. This will	otua the Glor	ieta.						
Plug #3 5 Spot a 25 SX (142 ft) CLS C cement plug 0 ft - 75 ft. This will plug the San Anders Plug #2 5 Spot a 10 SX (57 ft) CLS C cement plug 0 ft - 57 ft. This will plug the Top. Plug #1 5 Spot a 10 SX (57 ft) CLS C cement plug 0 ft - 57 ft. This will plug the Top. CIBP 5860' with 35' cmt 5 This will plug the Top. CIBP 7480' with 35' cmt 5 This will plug the Top. CIBP 7520' c 35 ' cmt 5 This will plug the Top. Cup forations 7686 - 7792 5.860 MD MD			ア 	100 V201		4	Perform	ate at 1200 058 ft - 120) fL Attern 00 fL This	pt to establi will plug the	sh Circi 9.625 i	ulation. Spo nch casing	at a 25 SX ((142 ft) CLS	C cement						
B Spot a 10 SX (57 ft) CLS C cement plug 0 ft - 57 ft. This will plug the Top. Plug #2 Plug #1 Perforations 5420-5482 Plug #1 DV 6037 Plug #2 CIBP 7580' with 35' cmt Plug #2 DV 6037 Plug #2 CIBP 7480' with 35' cmt Plug #2 DV 6037 Plug #2 CIBP 7520' c 35 ' cmt Perforations 7686 - 7792 C Prepared by: MJM Date: 25-Feb-2019	Plun #3		533553	Sec. S		5	Spot a	25 SX (14	2 ft) CLS (C cement pl	ua 613	ft - 755 fL "	his will plu	o the San Ar	iders.						
Plug #2 Plug #1 Perforations 5420-5482 CIBP 5880' with 35' cmt DV 6037 CIBP 7480' with 35' cmt CIBP 7480' with 35' cmt Perforations 7686 - 7792 CIBP 7520' c 35' cmt Perforations 7686 - 7792 CIBP 7580' MD				A CONTRACT OF		6	Spot a	10 SX (57	f) CLS C	cement plu	g 0 ft - 1	57 ft. This v	vill plug the	Top.							
Proj #1 Perforations 5420-5482 CIBP 5860' with 35' cmt DV 6037 CIBP 7480' with 35' cmt CIBP 7480' with 35' cmt CIBP 7520' c 35 ' cmt Perforations 7686 - 7782 Res 5.860 M/D	Plug #2																				
Perforations 5420-5482 CIBP 5860' with 35' cmt DV 6037 CIBP 7480' with 35' cmt CIBP 7520' c 35 ' cmt Perforations 7686 - 7792 CIBP 7520' c 35 ' cmt Perforations 7686 - 7792 CIBP 7580' MID Date: 25-Feb-2019	Pibg #1																				
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CIBP 7480' with 35' cmt CIBP 7520' c 35 ' cmt Perforations 7686 - 7792 C Prepared by: MJM Date: 25-Feb-2019	CIB- 5860 Will 35 Cint					ĺ															
CIBP 7520' c 35 ' cmt Perforations 7686 - 7792 C Prepared by: MJM Date: 25-Feb-2019																					
CIBP 7520' c 35 ' cmt Perforations 7686 - 7792 C Prepared by: MJM Date: 25-Feb-2019																					
Perforations 7686 - 7792	CIBP 7520' c 35 ' cmt																				
C Prepared by: MJM Date: 25-Feb-2019 Rtm 5,860 MD	Perforations 7686 - 7792					No. 10 Parts	and the second second	0 - 19949 ;	ANTINE ANTIN	·	al ciara in	1.45 Miles	alve i ver iči	Eddine a concelo							
C Prepared by: MJM Date: 25-Feb-2019		2			2	Jain is mi	<u>Edins Val</u>	للمرة و مساور عليه			arat di	AMAR LAF	Ekfan Kunzere	n性 at S單	品和社会的						
		C	960 145				Prepa	red by: MJ	м			Date	25-Feb-2	019	,						
			,000 p/L)																		

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CONDITIONS FOR PLUGGING AND ABANDONMENT

District II / Artesia N.M.

The following is a guide or checklist in preparation of a plugging program, this is not all inclusive and care must be exercised in establishing special plugging programs in unique and unusual cases, Notify NMOCD District Office II at (575)-748-1283 at least 24 hours before beginning work.

- 1. A notice of intent to plug and abandon a wellbore is required to be approved before plugging operations are conducted. A cement evaluation tool is required in order to ensure isolation of producing formations, protection of water and correlative rights. A cement bond log or other accepted cement evaluation tool is to be provided to the division for evaluation if one has not been previously run or if the well did not have cement circulated to surface during the original casing cementing job or subsequent cementing jobs.
- 2. Closed loop system is to be used for entire plugging operation. Upon completion, contents of steel pits are to be hauled to a permitted disposal location.
- 3. Trucking companies being used to haul oilfield waste fluids to a disposal commercial or private shall have an approved NMOCD C-133 permit. A copy of this permit shall be available in each truck used to haul waste products. It is the responsibility of the operator as well as the contractor, to verify that this permit is in place prior to performing work. Drivers shall be able to produce a copy upon request of an NMOCD Field inspector.
- 4. Filing a subsequent C-103 will serve as notification that the well has been plugged.
- 5. A final C-103 shall be filed (and a site inspection by NMOCD Inspector to determine if the location is satisfactorily cleaned, all equipment, electric poles and trash has been removed to Meet NMOCD standards) before bonding can be released.
- 6. If the well is not plugged within 1

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- 7. If work has not begun within 1 Year of the approval of this procedure, an extension request must be file stating the reason the well has not been plugged.
- 8. Squeeze pressures are not to exceed 500 psi, unless approval is given by NMOCD.
- 9. Produced water will not be used during any part of the plugging operation.
- 10. Mud laden fluids must be placed between all cement plugs mixed at 25 sacks per 100 bbls of water.
- 11. All cement plugs will be a minimum of 100' in length or a minimum of 25 sacks of cement, whichever is greater. 50' of calculated cement excess required for inside casing plugs and 100% calculated cement excess required on outside casing plugs.
- 12. Class 'C' cement will be used above 7500 feet.
- 13. Class 'H' cement will be used below 7500 feet.
- 14. A cement plug is required to be set 50' above and 50' below, casing stubs, DV tools, attempted casing cut offs, cement tops outside casing, salt sections and anywhere the casing is perforated, these plugs require a 4 hour WOC and then will be tagged
- 15. All Casing Shoes Will Be Perforated 50' below shoe depth and Attempted to be Squeezed, cement needs to be 50' above and 50' Below Casing Shoe inside the Production Casing

- 16. When setting the top out cement plug in production, intermediate and surface casing, wellbores should remain full at least 30 minutes after plugs are set
- 17. A CIBP is to be set within 100' of production perforations, capped with 100' of cement, WOC 4 hours and tag.
- 18. A CIBP with 35' of cement may be used in lieu of the 100' plug if set with a bailer. This plug will be placed within 100' of the top perforation, (WOC 4 hrs and tag).
- 19. No more than **3000' is allowed between cement plugs in cased hole and 2000' in open hole.**
- 20. Some of the Formations to be isolated with cement plugs are: These plugs to be set to isolate formation tops
 - A) Fusselman
 - B) Devonian
 - C) Morrow

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- D) Wolfcamp
- E) Bone Springs
- F) Delaware
- G) Any salt sections
- H) Abo
- I) Glorieta
- J) Yates.
- K) Potash--- (In the R-111-P Area (Potash Mine Area), a solid cement plug must be set across the salt section. Fluid used to mix the cement shall be saturated with the salts that are common to the section penetrated and in suitable proportions, not more than 3% calcium chloride (by weight of cement) will be considered the desired mixture whenever possible, WOC 4 hours and tag, this plug will be 50' below the bottom and 50' above the top of the Formation.
- 21. If cement does not exist behind casing strings at recommended formation depths, the casing can be cut and pulled with plugs set at recommended depths. If casing is not pulled, perforations will be shot and cement squeezed behind casing, WOC and tagged. These plugs will be set 50' below formation bottom to 50' above formation top inside the casing

DRY HOLE MARKER REQUIRMENTS

The operator shall mark the exact location of the plugged and abandoned well with a steel marker not less than four inches in diameter, 3' below ground level with a plate of at least ¼" welded to the top of the casing and the dry hole marker welded on the plate with the following information welded on the dry hole marker:

1. Operator name2. Lease and Well Number3.API Number4. Unit Letter5. QuarterSection (feet from the North, South, East or West)6. Section, Township and Range7. Plugging Date8. County(SPECIAL CASES)------AGRICULTURE OR PRARIE CHICKEN BREEDING AREAS

In these areas, a below ground marker is required with all pertinent information mentioned above on a plate, set 3' below ground level, a picture of the plate will be supplied to NMOCD for record, the exact location of the marker (longitude and latitude by GPS) will be provided to NMOCD (We typically require a current survey to verify the GPS)