	and the grant	2.	The state of the s
Submit 3 Copies To Appropriate District Office	State of New Mexic	co	Form C-103
District 1	Energy, Minerals and Natural	Resources	May 27, 2004
1625 N. French Dr., Hobbs, NM 88240 District II			WELL API NO.
1301 W. Grand Ave., Artesia, NM 88210	OIL CONSERVATION D	IVISION	30-015-31849
District III	1220 South St. Francis Dr.		5. Indicate Type of Lease
1000 Rio Brazos Rd., Aztec, NM 87410 District IV	Santa Fe, NM 8750		STATE FEE
1220 S. St. Francis Dr., Santa Fe, NM 87505	Smith Let INIAL OADA	15)	6. State Oil & Gas Lease No. V-5865
	AND DEPORTS ON WAY	<u> </u>	Server August Market Control of the
DIFFERENT RESERVOIR. USE "APPLICATION	AND REPORTS ON WELLS TO DRILL OR TO DEEPEN OR PLUG I	BACK TO A	7. Lease Name or Unit Agreement Name Sterling State
1 KOLOGREDI			8. Well Number
1. Type of Well: Oil Well ☐ Gas ☐ Same of Operator	well L. Other		li .
Marathon Oil Permian, LLC		(9. OGRID Number
3. Address of Operator	The second secon	1	372098
5555 San Felipe Houston, TX 77056	•		10. Pool name or Wildcat
4. Well Location	The second of th		Carlsbad, South
2 March 1994 (1994	A Character at the contract of		
Section 20 Towns	t from the S_ line and _660	feet from the	Eline
Section 20 Towns	ship 23S Range 27E	NN.	IPM County Padie
11.	Elevation (Show whether DR, RK	B) RT, GR, etc.,	
Pit or Below-grade Tank Application or Close	21601 (OD)		A Commence of the Commence of
* * * * * * * * * * * * * * * * * * *	21 2 2		
Pit type Depth to Groundwater	Distance from nearest fresh water	wellDist	ance from nearest surface water
Pir Liner Thickness: mil B	clow-Grade Tank: Volume		nstruction Material
12. Check Appro	priate Box to Indicate Natur	e of Notice.	Report or Other Data
NOTICE OF INTEN	7101		- seport of their patti
NOTICE OF INTEN	and the second of the second o	SUB	SEQUENT REPORT OF:
		MEDIAL WORK	ALTERING CASING IT
	NGE PLANS 🗍 CC	MMENCE DRII	LING OPNS PANDA D
PULL OR ALTER CASING MUL	TIPLE COMPL CA	SING/CEMENT	JOB 🗇
OTHER:	<u> </u>		
	Torritor (O) I OT	HER:	250
	The second of th	HHIIII AHC AH	give pertinent dates, including estimated date ach wellbore diagram of proposed completion
·	Jass H Car		*
CZAP @ 11750' w/ 605K	ent - T of morrow	11170 1	10C4729
1. CIBP @ 10,400° w/35°. — w	C + Tag Class H Ca	†	
2. 30sx 9916' - 9816'; - H Cm ² 3. 240sx 8949' - 8849' F.S Tag. Sp.	+ 6032	of we	H.C. RECEIVED
4. 50sx 5572' - 5400' P.S Tag	NOC LTOO CLUS	c cmt	FEB 1 4 2020
5. 130sx 458' - Surf P.S. Verify, Inst	all DHM.		
- CA bare Park	j.		EMNRD-OCD ARTESIA
Note OCD 24 hrs pric		*** CCC	
Home work done.		SEE	ATTACHED COA'S - Revise 1
		MUST	Tevise 1
P&A mud between all plugs. Closed loop al	I fluids to licensed facility	, most BE	PLUGGED BY
		'	ے ایک ا
,			2/17/21
Thorshy goriff, the est the ext			
I hereby certify that the information above is grade tank has been/will be constructed ar closed ac	s true and complete to the best of i	ny knowledge a	and belief. I further certify that any nit or below.
76/-24	voruing to NMOCD guidelines ☐, a gei	eral permit 🗍 or	an (attached) alternative OCD-approved plan .
SIGNATURE 124		1	
	TITLEAgen	, <u></u>	DATE 1/2/2020
Type or print name: Brody Pinkerton E- For State Use Only	mail address: Brody@maverickw	ellpluggers.com	Telephone No.: 432-458-3780
(Approximate and a second		^	
APPROVED BY:	TITLE STA	H ~1-	DATE 2/17/20 5
Conditions of Approval (if any):		· · · · · · · · · · · · · · · · · · ·	DATE
			· · · · · · · · · · · · · · · · · · ·

Marath	onOil	Well Na	ellbore Scher me: STERLIN	natic NG STATE 1		
Sala-Province NEW MEXICO	COMEN UNITED STATES	CARLSBAD SOUTH, 3	#1./± (*) 2.287912/10 :	Langitios (1) -104-20539200	* V37in/South Dictary (1) 1.83070	North South Full arence FSL
APERO UM 3001531849	15.00 (4.0) (15.00 (10.00 (Caratagrama 3	0.000 (0.000) (0.000) (0.000) (0.000) (0.000)	Di-Parig Rio Souli Case	Wei Original Completion 0 4/8/2002	Wei First Produzion Dale: 9/10/2014
STELLENSON AND	en engel kan bet en en en en skriver beter beste en kan beterke i kan beter beste en kan beter beste en ken be Beste finde en	STERLINGS	STATE(); 12/10/201	3 4 59 09 PM	Control of Control Accounts the form of Control of Cont	AND AND THE COURT OF THE PROPERTY OF THE COURT OF T
MD (ftKB)			Vertical scher	natic (actual)		
17.1 4081 5.41419 5.520.0 8.899.9 9.128.0 9.866.1 10.357.9 10.475.1 10.484.9 10.723.1 10.938.0 10.931.9 11.169.9 11.169.9 11.169.1			CARLES OF CHARGES AND AND AND		Surface Cesting Comer Casing Joints 8,625, Intermediate Casing C IT Bone Springs 1-1/Tubing 2.878, 2:2 Casing Joints 5,500 T. Wolfcamp T. Cisco (Bough C) T. Canyon T. Strawn Production Casing Cell T. Morrow Lime T. Morrow Sand	22 00: 365: 17.0-5;520.0 ement: 17.0-5;520.0 e
12.336.9	Service of the servic	and the second of the second o		4 V		a proposition of the second second The second se
www.marathonoi	Constitution of the consti	and the state of t	Page 1/1		Rep	ort Printed: 12/10/2019

多域式

グンツ Marathon Oil

www.marathonoll.com

Post Plugging Wellbore Schematic Well Name: STERLING STATE 1

Repoπ Printed: 12/10/2019

	Marathon Oil Well Name: STERLING STATE 1								
N	EW MEXICO		UNITED STATES	CARUSBAD SOUTH 32.287812	10	104:20539200	18300	FSC	
31	0 1 5318 49		12.09 (14.05)	KS-4k3 Mija 3 (Mike (7) , Saut 1845 3 (62:00)	19	William of Fing Stood Deale	View Criggies Competen D 4/8/2002	7/87 F.01: 2:3400000000 \$710/7014	
	STERLING STATE 1 (2/10/2019 4 59/00 PM								
-	MD (ffKB)						- Anna Santa S		
<u></u>	G O	See.)ry Hole N	darker	Properties		
	17.1						ta di kanangan kanan Kanangan kanangan ka	ganganagan palangan kanan k	
1 5 °	"Zacida: 1 w Table O		Perf. Sqz 130	sx @458'-Surface			Casing Joints: 13 975. - Surface Casing Cemen	t: 17:0-408.0!	
	408.1	24	Visua	lly Verify		4	-Casing Joints: 8 625; 1 -Intermediate Casing C	2.00; 355; 17.0-5,520.0 ement; 17.0-5,620.0	
ŵ.	5,444.9	Yes		en en granden fan en flander fûn die flander dit troppe de flande. En en grûnder fan en flander flander flander flande flander flande flander flande flande flande flande flande f			T BoneSprings		
	5,5200	***	ECH-SQ29USX	@5572'-5400\Tag				Ø	
	8,899.9		Perf. Sqz 40sx	8949'-8849' Tag		and the second second	T.Wolfcamp	er og skriver og skrive Britanisk skriver og s	
	49,1280	Time:		ages agranged on a supplied of the contract bet seened.	T		Service of the servic	ineasis via a apparate a s	
	9,8651			30sx/@9916					
	6/2 6/2	22	i filosofi di atti i marastini na piatiki figa kan i vinana, vinana pii paa	and the second		1/	T Cisco (Eough C)		
للمد	10,357.9	àà	5.5" CIBP @ 10,40	00' W/35' Class H	- (1 ((1 ((1 ((1 ((1 ((1 ((((((((((á	T.Canyon	an gar kastalasta, 1995 de samulant de de comunication de la comunicat	
*	10,476.1	i inch		85.0; Perl' Shall Dens		e a seguina de como en	endison daniastino estrandistino estanti	taun tilisik voidalain 12. s. 3 tillisis 13. s. seurillisi	
	40,484.9	(fine		alisulated Shot Total: 1 Phasing:			e Salaran ng Ng ara salarin sa na ang ang ang ang ang ang ang ang ang	Section of the sectio	
on:	10.723.1	*****		Linked Zone			T. Strawn Production Casing Ce	neat 9.128 0.17 % 77	
ing.	(0,938.0	.,	30.938.9/10.9	42.0; Perf. Shot Dans			oran napatita arang ang ang ito		
	049096 5002 2009 5340	***	Ç	alculated Shot Total 19			an di sangan sa garan sa sangan sa sangan sa sangan sa		
	10,941.9	wij)	Section and Control of the Control o	LIRKÉG ZODE			rolli dillore similari merendina salirilare manana	anns e Videolodica (in anticolodica de la company de l La company de la company d	
ģiii.	11,130.9		aratus pain na aratus pain pain pain pain pain pain pain pain	or are processed above a superinament of the continuous of the con		a salahan dari dari dari dari dari dari dari dari	T-Aloka	an analysis of the annual annual of the annual and the second	
lo-	11,168.9	***	Solution and Color of the Solution of the Solu	ta katikutanakan jo suki samantan sa katikutumunan katika katik			T Morroy Une		
ļ.,,	11,865.1		i a jego po stalina na populari se	ani digerora manangan seringi nganangan keringan ang pengangan ang pengangan ang pengangan ang pengangan ang p		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 	T. Morrow Sand		
	11,0C0.1			76.0; Perf, Shor Deno			- THE RESIDENCE OF THE PROPERTY OF THE P		
i i	11,876.0		Alphanicoversia Villagios	alculated Shot Total 1					
	BET 1990 CONTRACTOR IN THE SECOND CONTRACTOR I	3		Einked Zone					
-	12,033.1		(†2(0310):12 (C	98 O. Perf. Shal Dens alculated Shot Total: 1		in a state of the second state of the	n sanguntan <mark>ing</mark> dan mengeleban manihis saya menamanah	e e e e e e e e e e e e e e e e e e e	
	12,081.0	25.5		Phasing Linked Zone			andrian migrate spiriting manipulating (in communication to the second		
	12,088.1	46.		er () Terminalis () () () () () () () () () (Securitation in Million	andre Tommitt distribution property in the state of		
	12,192.9	إسب	400 miles anno 100 miles (1884 1894 1894 1894 1894 1894 1894 1894	2) 0; Perf Shot Dens			thallande regenerament are in community going the line	an si ra nada 3000 milianak di Salamak di	
	12,721.1	أن	a independent de la companya de la c	alculated Shot Total: 1 Presing Linked Zone			anamen et e e e e e e e e e e e e e e e e e		
	Treasurable Statement	750					T.1468		
E.	12.246.1						AND ASSESSED ASSESSED.		
	12,336.9	ii)	Andrew Commencer Com				ne (* 1860) granner underste er		
<u>Ļ</u>	A CONTRACTOR	4		and the first of the second second Second second	janajuka di		Ťĸĸĸĸĸĸĸĸĸĸĸĸ	<u> </u>	

Page 1/1

CONDITIONS FOR PLUGGING AND ABANDONMENT

OCD - Southern District

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. After MIRU rig will remain on well until it is plugged to surface. OCD is to be notified before rig down. Company representative will be on location during plugging procedures.

- 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. Insure all bradenheads have been exposed, identified and valves are operational prior to rig up.
- 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 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.
- 7. Squeeze pressures are not to exceed 500 psi, unless approval is given by NMOCD.
- 8. Produced water will not be used during any part of the plugging operation.
- 9. Mud laden fluids must be placed between all cement plugs mixed at 25 sacks per 100 bbls of water.
- 10. 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.
- 11. Class 'C' cement will be used above 7500 feet.
- 12. Class 'H' cement will be used below 7500 feet.
- 13. 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
- 14. 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
 - 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 name 2. Lease and Well Number 3.API Number 4. Unit Letter 5. Quarter Section (feet from the North, South, East or West) 6. Section, Township and Range 7. Plugging Date 8. 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)

SITE REMEDIATION DUE WITHIN ONE YEAR OF WELL PLUGGING COMPLETION

Submit 1 Copy To Appropriate District	State of New Mexico	Form C-103
Office s	Energy, Minerals and Natural Resources	Revised August 1, 2011
ACCOUNT TO THE STATE OF THE STA		WELL API NO.
District II – (575) 748-1283	OIL CONSERVATION DIVISION 1220 South St. Francis Dr.	30-015-34963
811 S. First St., Artesia, NM 88210	OIL CONSERVATION DIVISION	5. Indicate Type of Lease
District III - (505) 334-6178 JAN 2 / 4	1220 South St. Francis Dr.	STATE FEE X
1000 Rio Brazos Rd., Aztec, NM 87410 <u>District IV</u> – (505) 476-3460 1220 S. St. Francis Dr., Salve N. P. D-OCD 87505	Santa Fe, NM 87505	6. State Oil & Gas Lease No.
1220 S. St. Francis Dr., Santal RD-OCD	ARIESIA	o. State on & das Lease No.
87505		· ·
SUNDRY NOTICES A	ND REPORTS ON WELLS	7. Lease Name or Unit Agreement Name
(DO NOT USE THIS FORM FOR PROPOSALS TO		
DIFFERENT RESERVOIR. USE "APPLICATION PROPOSALS.)	FOR PERMIT" (FORM C-101) FOR SUCH	MONTURA FED COM
1. Type of Well: Oil Well Gas Well	X Other	8. Well Number
1. Type of well. On well das well	A Other	002
2. Name of Operator		9. OGRID Number
CHISHOLM ENERGY OPERATING, LI	LC .	372137
3. Address of Operator		10. Pool name or Wildcat
801 CHERRY ST., SUITE 1200, UNIT 20	O, FORT WORTH, TEXAS 76102	HAPPY VALLEY, MORROW 78060
4. Well Location		<u> </u>
	S S 1 SOLVERY !	2 2 1 7107
	feet from the SOUTH line and 994	feet from the EAST line
Section 15	Township 22S Range	26E NMPM EDDY County
11. E	Elevation (Show whether DR, RKB, RT, GR, e	etc.)
	3,314' – GR	
12 Check Approx	oriate Box to Indicate Nature of Notic	e Report or Other Data
12. Check Approp	priate Box to indicate Nature of Notice	c, Report of Other Data
NOTICE OF INTENT	FION TO: SI	JBSEQUENT REPORT OF:
	G AND ABANDON X REMEDIAL W	
<u> </u>		ORILLING OPNS. □ P AND A
	TIPLE COMPL CASING/CEMI	
	TIPLE COMPL	ENT JOB . L
		24 Ms . Pine
OTHER:	OTHER:	and give pertinent dates, including estimated date
12 Describe proposed or completed or	perations (Clearly state all pertinent details	and give pertinent dates, including estimated date
of starting any proposed work) S	EE RULE 19.15.7.14 NMAC. For Multiple	Completions: Attach wellhore diagram of
nronosed completion or recomplet	ion	completions. Attach wendore diagram of
i) clean out well to	ion for + Set CIBP@ 11550' w/	125 SXCut wocklag
1) TAG EXISTING 5-1/2" CIRI	2 + CMT @ +/-11,455'; CIRC WELL W/ N	MIF - No Paperwork on File
2) PUMP 25 SXS. CMT. @ 11,1	13'-10 813' (T/MRRW)	and the second s
3) PUMP 50 SXS CMT @ 10.5	37'-10,140' (T/ATOKA, T/STWN.).	
5) PUMP 75 SXS CMT @ 514	12'-8,602' (T/WCMP.) 15'-4,995' (T/BNSG.) 5650 - 4995	- 65 SX Cut
6) PUMP 65 SXS, CMT, @ 2,57	74'-2 098' (8-5/8" CSG SHOE T/DI WR): \	WOC X TAG CMT. PLUG. = Port@ 2579 SSHOE); WQC X TAG CMT. PLUG.
7) PERF X ATTEMPT TO SO2	Z. 40 SXS. CMT. @ 551'-451' (13-3/8" CSG	SHOE): WOC X TAG CMT. PLUG.
8) PERF. X CIRC. TO SURF F	ILLING ALL ANNULI, 20 SXS, CMT. @ 8	1333. Porte 150' + Attent to Cac
9) DIG OUT X CUT OFF WELL	LHEAD 3' B.G.L.; VERIFY CMT. TO SUR	F. ON ALL ANNULI; WELD ON STEEL
PLATE TO CSGS. X INSTA		,
		•
)	4
DURING THIS PROCEDURE W	E PLAN TO USE THE CLOSED-LOOP SY	STEM W/ A STEEL TANK AND HAUL
CONTENTS TO THE REQUIRE	D DISPOSAL, PER OCD RULE 19.15.17.	2015 1
	*** SEE AT	TTACHED COA'S - Pevise &
·		
	augt PE	PLUGGED BY
I hereby certify that the information above	MUST BE	1/28/21
I nereby certify that the information above	is true and complete to the best of	1/28/
$\cdot $	\bigcirc	
CICHATURE & C) TITLE, ACENT	DATE: 01/24/20
SIGNATURE DE SIGNATURE	TITLE: AGENT	DATE. 01/24/20
Tomo on maint morror DAMID A DMI DD	E mail address: DEVLED@MU	ACDO DES COM DUONE: 422 607 2022
Type or print name: DAVID A. EYLER	E-man address. DEYLEK@MILF	AGRO-RES.COM PHONE: 432.687.3033
For State Use Only	,	
ADDDOVED DV. A DAT MA	TITLE OF A	DATE 1/28/2-3
APPROVED BY: Conditions of Approval (if any):	TITLESTATE My	DATE 1/28/20



MONTURA FED COM 2
API # 30-015-34963
TEMORARILY ABANDONED WBD

	Wellbore SI		Hole Size	Casing	Cement
		501	17-1/2"	13.375", 48.0#, Setting Depth: 501'	TOC @ Surface 700 sxs
1,000			12-1/4"	8.625", 36# & 40#, Setting Depth: 2524'	TOC @ Surface 800 sxs
2,000		2524			
3,000					
4,000°			8-3/4"	5.5*, 17#	TOC @ 1100'
5,000'				Setting Depth: 11800'	1165 sxs
6,000 [.]					
7,000°					,
8,000'	Z.				
9,000					į
10,000		SEPT 18,2019 SET CIBP @ 11490	r		
1,000		DUMP BAR 35' Ck PB TD @ 11455' Perf Depths 11603'-11641'	ANT		
12,000		PBTD @ 11760' TOTAL DEPTH & 11800'			1

CHISHOLM EVERGY

MONTURA FED COM 2

API # 30-015-34963 TEMORARILY ABANDONED WAD

T/DLWR-2,148'

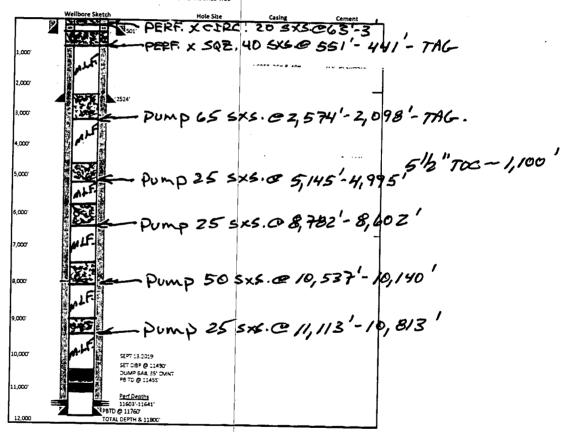
T/BNSG. - 5,070'

T/WCMP. ~ 8,692'

T/STWN. - 10,190'

T/ATOKA. - 10,487'

T/MRPW. - 10,913'



DAE 12/05/19

CONDITIONS FOR PLUGGING AND ABANDONMENT

OCD - Southern District

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. After MIRU rig will remain on well until it is plugged to surface. OCD is to be notified before rig down. Company representative will be on location during plugging procedures.

- 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. Insure all bradenheads have been exposed, identified and valves are operational prior to rig up.
- 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 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.
- 7. Squeeze pressures are not to exceed 500 psi, unless approval is given by NMOCD.
- 8. Produced water will not be used during any part of the plugging operation.
- 9. Mud laden fluids must be placed between all cement plugs mixed at 25 sacks per 100 bbls of water.
- 10. 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.
- 11. Class 'C' cement will be used above 7500 feet.
- 12. Class 'H' cement will be used below 7500 feet.
- 13. 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
- 14. 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
 - 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 %" 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 name 2. Lease and Well Number 3. API Number 4. Unit Letter 5. Quarter
Section (feet from the North, South, East or West) 6. Section, Township and Range 7. Plugging Date
8. 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)

SITE REMEDIATION DUE WITHIN ONE YEAR OF WELL PLUGGING COMPLETION