Submit 1 Copy To Appropriate District State of New Mexico	Form C-103
District I – (575) 393-6161 Energy, Minerals and Natural Resources	Revised July 18, 2013
1625 N. French Dr., Hobbs, NM 88240	WELL API NO.
811 S. First St., Artesia, NM 88210 OIL CONSERVATION DIVISION	S. Indicate Type of Lesse
District III – (505) 334-6178 1220 South St. Francis Dr.	STATE STATE
<u>District IV</u> – (505) 476-3460 Santa Fe, NM 87505	6. State Oil & Gas Lease No.
1220 S. St. Francis Dr., Santa Fe, NM 87505	V-3589
SUNDRY NOTICES AND REPORTS ON WELLS	7. Lease Name or Unit Agreement Name
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A	PAULINE ALB STATE
PROPOSALS.)	
1. Type of Well: Oil Well 🛛 Gas Well 🗋 Other	8. Well Number 4
2. Name of Operator EOG Y RESOURCES INC	9. OGRID Number 25575
3. Address of Operator	10. Pool name or Wildcat
PO BOX 2267 MIDLAND, TX 79702	SAND DUNES; DELAWARE, WEST
4. Well Location	
Unit Letter K : 1980 feet from the SOUTH line and 19	B0feet from theKESTline
Section 32 Township 23S Range 31E	NMPM County Eddy
11. Elevation (Show whether DR, RKB, RT, GR, etc.)	
La presidente de la construction	the second second
12 Check Appropriate Box to Indicate Nature of Nation I	Pomort or Other Date
12. Check Appropriate Box to indicate Nature of Notice, i	Report of Other Data
NOTICE OF INTENTION TO: SUBS	SEQUENT REPORT OF:
	JOB []
CLOSED-LOOP SYSTEM	
13. Describe proposed or completed operations. (Clearly state all pertinent details, and	give pertinent dates, including estimated date
of starting any proposed work). SEE RULE 19.15.7.14 NMAC. For Multiple Com	pletions: Attach wellbore diagram of
proposed compression of recompression Pestors 7191-	/869
EOG proposes to P&A this wellbore ASAP using the following	g procedure:
	· · · ·
1- Set CIBP @ 5058, set cmt plug @ 8059-7691' w/45 sxs C	L H cmt WOC, TAG TOC
3-Set cmt plug @ 5135-4985' w/25 sys CL C cmt	
4- Set cmt plug @ 4279-3750' w/65 sxs CL C cmt. WOC. TA	G TOC
5- Set cmt plug @ 770-670' w/25 sxs cmt, WOC, TAG TOC	NM OIL CONSERVATION
6- Set cmt plug @564'- surface w/65 sxs CL C cmt, verify	ARTESIA DISTRICT
Port @550 + Attempt & Sg2.	SEP - 5 2018
Snud Date: Rig Release Date:	
* See Attached COA: Muth	Pland by 9-10-19
I hereby certify that the information above is true and complete to the best of my knowledge	and belief.
SIGNATURE SAM MULLON TITLE Regulatory Analyst	9/4/2018
SIGNATORE ////////////////////////////////////	DATE 4 20
Type or print name Kay Maddox E-mail address: kay_maddox@eogr	esources.com PHONE: 432-686-3658
For State Use Only	
APPROVED BY:	
Conditions of Annroyal (if anti):	DATE 7-/0-/0



Paulin ALB STATE 4



Seog resources

Well Equipment Report

PAULINE ALB STATE #4

			1.04111		10		10	ć		10.7		- 41				140.0
MD (RKB)	VERTICAL - Original Hole, 1/24/2013 5 Vertical schematic (s	i:00:00 PM Inctual)	30015	27019	Eddy		New	v Mexic	0	SEC K, E	32, TWF ddy CO.,	23S, NM	RNG	31E, L	JNIT	KB-Grd (ft) 14.00
-4.9			Job Cate Worko	gory P ver E	rimary Job Quipme ailure	Type nt	Depart Prodi	ment uction				Star 1	t Date /18/2	2013	End C 1/3	^{ate} 24/2013
			Casing D	g Strings	· ·					100 (in)		Top Dep	ih (fiKi	3) Set C). Depth (ftKB)
· 0.0 ·			Conductor Casing Casing Description					OD (in)	20	Top Dep	14 14 (RKE	1.0 3) Set D	Depth (54.0 ftKB)		
			Surface Casing Casing Description			13 3/8 OD (in) T				0.0 500.0 Top Depth (ftKB) Set Depth (ftKB)						
14.1 -	X XX III XX	Conductor Casina:	Intermediate Casing Cesing Description						8 5/8 0.0 OD (in) Tep Depth (tixB) Set C)epth (3,986.0	
		20; 14.0; 54.0 Conductor	Production Casing Tubing Strings					5 1/2					-5.0 8,110.0			
54.1		Cement: 14,0 ftKB; 54.0 ftKB	Tubing D	escription	tion	R	un Dat	9/1/2	004	Se	st Depth (ftK	3B) 7 968	00	albore riginal H	lole	
		1" Cement; 14.0	Tubin	g Compo	nents	Length (ft))D //m)	Grad	L	16.00	Top (M)	5775		10.0	
- 399.9 -		RKB; 400.0 RKB	241	Tubing		7,568	.00	27/	8 J-55	5	6.40	Top (Itic	4.0	7,582.		7,954.00
500.0		Surface Casing;	1	Tubing	atcher	3	.00	4.89	2	- ·	******	7,58	2.0	7,585.	0	386.00
		13 3/8; 14.0; 500.0	Joints	Item Descri	ption	Length (ft)	00	DD (in)	Grad	• • •	Vt (ID/ft)	Top (ftK)	B) B	tm (ftKB)		n Length (ft)
- 514.1 -		Surface Cement; 14.0 ftKB; 514.0	Joints	Item Descri	ption Ninnle	Length (ft)	00	2 77	Grad	- V	Vt(Ib/tt)	Top (ftK)	9) 8 1 0	7 932		n Length (ft) 37,00
		пкв	Joints	Item Descri	ption ad Sub	Length (ft)		277 DD (in) 277	Grad	• v	vi (Ib/it)	Top (ItK)	3) E	7,002. Itm (IKB) 7,036		n Length (ft)
· 1,159.1 ·		Destaution	Joints	Item Descri	ption	Length (ft)		277 20 (in) 27	Grad		Vt (Ib/tt)	Top (ftKi 7 03)	B) B	7 067	0 Cu	n Length (ft)
		Cement; 14.0	Joints	Item Descri Buli Pluc	ption	Length (ft)	00	2 // D (in) 2 7/	Grad	- v	Vt (Ib/ft)	Top (ItK)	8) 8 7 0	tm (ftKB)	Си 0	n Length (ft) 1 00
2,000.0 -		Tubing; 2 7/8; 14.0; 7,568.00;	Rod S	trings			.001	2.11				1,30		7,300.	<u> </u>	1.00
		7.582.0	Tapen	ed Rod Si	tring				0818	1/22/2	013		Set De			7,932.0
- 3,985.9 -		Casing; 8 5/8; 14.0; 3,986.0	Joints	Item Descr	iption			Length (i	u lõi	D (in)	Grade	Top (ftK	(B)	Btm (NKE	3)	Cum Len (ft)
4.000.0		Intermediate	Joints	Polished Item Desci	I ROD		·	30 Length (I	.00 1) O(1 1/. D (in)	2 Grada	Yop (ftK	3.0 3B)	3 Btm (ftKE	3.0 3)	7,929.00 Cum Len (ft)
4,000.0 -		ħKB; 4,000.0 ħKB	117 Joints	Sucker	ROC - NS	97		2,925 Length (I	.00 i) Oi	D (in)	1 HS Grade	Top (ftK	33.0 (B)	2,95 Btm (NKB	9.0 3)	7,899.00 Cum Len (ft)
4,229.0		DV Tool @;	Joints	Sucker Item Descr	ROD - NS		_	2,850 Length (i	.00 1) O	7/ D (in)	8 HS Grade	2,9 Top (filk	58.0 38)	5,80 8tm (ftKE	98.0 3)	4,974.00 Cum Len (ft)
		4,220,0, 4202005	Joints	Item Descr	tption		_	1,850 Length (1	.00 i) O	3/- D (in)	4 HS Grade	5,8 Top (ftK	08.0 B)	7,65 Btm (ftKE	9.0 3)	2,124.00 Cum Len (ft)
- 5,000.0 -		Production —Cement; 2,000.0 exB: 5 000 0 exB	Joints	Item Descr	iption			250 Length (I	00	D (in)	Grade	7,6 Top (ftK	58.0 B)	7,90 Btm (ftKE	3)	2/4.00 Cum Len (ft)
		1010, 3,000,0 111D		20 - 125 Pump	- KHBÇ	HBC - 24 - 4 Rod 24.00 1 1/4					7,9	08.0	7,93	52.0	24.00	
· 6,728.0	······································	DV Tool @; 6.728.0: 4/20/2009	Pumping Units 2009 API Designation Description Install Date Installed Condition Manuf				acture	r	Cu	ink Type						
	1 周期	-,	APIDesi	9.0000								1.				
		-,,	C-640 Current	365-168 Stroke SP	M	Stroke Hol	e	User	ext 2	She	ave Size (ir	Ame	rican Ptm	an Rod	Gear	Bax SN
7,479.0			C-640 Current	365-168 Stroke SP 21.00	M M Mover	Stroke Hol 3 B	•	User	ext 2	She	oave Size (ir	Ame 1) Max	rican Primi	an Rod	Gear	Bax SN
7,479.0		 	C-640 Current Pump Make Americ	365-168 Stroke SP 21.00 ing Prime	M Moven Model	Stroke Hol	e Type Electr	User	ext 2	She	aave Size (ir Install	Ame	nican Pitma Installe	an Rod	Gear	Box SN Removed
7,479.0 - 7,582.0 -		Tubing Anchor/catcher; 4.99: 7.582.0:	C-640 Current Pump Make Americ RPM (rps	365-168 Stroke SP 21.00 ing Primo can n) # Bet	M e Moven Model	Stroke Hol 3 8 Bett Model	e Type Electr	User	ext 2	She N Length (in) Install	Ame 1) Max Date Be	nstatle	en Rod	Gear	Box SN Removed Size (in)
7,479.0 - 7,582.0 - 7,585.0 -		Tubing Anchor/catcher; 4.89; 7,582.0; 3.00; 7,585.0	C-640 Current Pump Make Americ RPM (rpi	365-168 Stroke SP 21.00 ing Prim can n) # Bel	M e Movern Model	Stroke Hol 5 8 Bett Model	e Type Electr	User 1	ext 2	She N Length (in	instati	Ame	nstatle	en Rod ed Cond	Gear	Box SN Removed Size (in)
7,479.0 - 7,582.0 - 7,585.0 -		Tubing Anchor/catcher; 4.69: 7.582.0; 3.00: 7.585.0	C-640 Current Pump Mako Americ RPM (rp	365-168 Strake SP 21.00 ing Prime an n) # Bet	Model	Stroke Hol	e Type Electr	User 1	ext 2	She	linstall	Ame 1) Max Date Be	nstalle	en Rod	Gear	Box SN Removed Size (in)
7,479.0 - 7,582.0 - 7,585.0 - - 7,741.1 -	Perforated;	Tubing Anchor/catcher; 4.99; 7.582.0; 3.00; 7,585.0	C-640 Current Pump Make RPM (rp	365-168 Strake SF (21.00 ing Prim an n) # Bel	M (e Moven Model	Stroke Hol B B Bett Model	e Electr	User 1	ext 2	She	have Size (ir install	Ame 1) Max Date II Be	nstatle	en Rod	Gear	Box SN Removed Size (in)
7.479.0 - 7,582.0 - 7,585.0 - - 7,741.1 -	Perforated; 7,741.0-7,787.0	Tubing Anchor/catcher; 4.99; 7.585.0; 3.00; 7,585.0 Tubing; 2 7/8; —7,585.0; 346.00; 7,931.0	C-640 Current Pump Make Americ RPM (rps	365-168 Stroke SP 21.00 ing Prim an n) # Bet	M e Moven Model Is	Stroke Hol	e Electr	ric	Belt	She)ave Size (ir install	Ame	nican Pitrus Installe	n Rod	Gear	Bax SN Removed Size (in)
7,479.0 - 7,582.0 - 7,585.0 - - 7,741.1 - - 7,767.1 -	Perforated; 7,741.0-7,787.0	Tubing Anchor/catcher; 4.89; 7,582.0; 3.00; 7,585.0 Tubing; 2 7/8; -7,585.0; 346.00; 7,931.0	C-640 Current Pump Make Americ RPM (rp	365-168 Stroke SP 21.00 ing Prim an h) # Bel	M () b Movern Model	Stroke Hol	e Type Electr	User 1	Belt	She	insta®	Ame Nate Date Be	rican Pirmu Installe	en Rod	Gear	Bax SN Removed Size (in)
7,479.0 - 7,582.0 - 7,585.0 - - 7,741.1 - - 7,767.1 -	Perforated; 7,741.0-7,787.0	Tubing Anchor/catcher; 4.99; 7.582.0; 3.00; 7.585.0 Tubing: 2 7/8; -7,585.0; 346.00; 7,931.0	C-640 Current 1 Pump Make Americ RPM (rp	365-168 Stroke SP (21.00) an Prim an (*) * Bel	M (a Moven Model	Stroke Hol 5	e Fype Electr	User 1	Belt	She	instal	Ame	rican Primu Installe	en Rod	Gear	Bex SN Removed Size (in)
7.479.0 - 7.582.0 - 7.585.0 - - 7.741.1 - - 7.767.1 - - 7.841.9	Perforated; 7,741.0-7,787.0	Tubing Anchor/catcher; 4.89; 7.582.0; 3.00; 7,585.0 Tubing: 2 7/8; 7,585.0; 346.00; 7,931.0	API Desi C-640 Current Pump Make Americ RPM (rp	365-168 Stocke	M (a Moven Model	Stroke Hol 3	e Type Electr	User 1	Eet	Length (in	insta¶	Ame 1) Max Date Be	rican (Pitmu Installe	an Rod	Gear	Bax SN Removed Size (in)
7.479.0 - 7.582.0 - 7.585.0 - 7.741.1 - - 7.767.1 - - 7.841.9 - 7.867.1	Perforated; 7,741.0-7,787.0	Tubing Anchor/catcher; 4.89; 7,582.0; 3.00; 7,585.0 Tubing; 2 7/8; -7,585.0; 346.00; 7,931.0	C-640 C-640 Pump Make Americ RPM (rp	365-168 StrokeSF [21.00] ng Prim: an n) # Bet	M (b Moven Model Is	Stroke Hol 5	e Type Electr	User 1	SP	She	insta¶ insta¶	Ame) Max Date Be	rican Prime Installe	ed Cond	Gear	Bax SN Removed Size (in)
7,479.0 - 7,582.0 - 7,585.0 - - 7,741.1 - - 7,767.1 - - 7,841.9 - 7,867.1 -	Perforated; 7,741.0-7,787.0	Tubing Anchor/catcher; 4.99; 7.582.0; 3.00; 7.585.0 Tubing: 2 7/8; 	AP loss C-640 Current Pump Make America RPM (rp	365-168 Stroke	Moven Model	Stroke Hol 5	e Fype Electr	User 1	Sł	She	install	Ame 1) Max Date 1 Be	rican Prima Installe	in Rod	Gear	Bax SN Removed Size (in)
7,479.0 - 7,582.0 - 7,585.0 - - 7,741.1 - - 7,767.1 - - 7,841.9 - 7,867.1 - 7,867.1 -	Perforated; 7,741.0-7,767.0	Tubing Anchor/catcher; 4.89; 7.582.0; 3.00; 7.585.0 Tubing; 2 7/8; 	AP Deale C-640 Current Mate Ameriti RPM (rp	365-168 Stocke	Model Model	Stroke Hol 3	e Fype Electr	ric	Beit	She	insta¶	Date 	rican Pitra Installe	n Rod	Gear	Bax SN Removed Size (in)
7,479.0 - 7,582.0 - 7,585.0 - - 7,741.1 - - 7,767.1 - - 7,841.9 - 7,867.1 - 7,931.1 -	Perforated; 7,741.0-7,7870	Tubing Anchor/catcher; 4.99; 7.585.0; 3.00; 7.585.0 Tubing; 2 7/8; — 7.585.0; 346.00; 7.931.0 Seating Nipple; 2 — 7/8; 7.931.0; 1.00; 7.932.0	AP Deale C-640 Current Mase America RPM (rp	365-168 StockeSF 121.00 ing Prim an m) # Bel	M Over	Stroke Hol s	Type Electr	User 1	Sector 2	She	install	Date	rican Pitra Installe	in Rod id Cond d	Gear	Bax SN Removed Size (in)
7,479.0 - 7,582.0 - 7,585.0 - - 7,741.1 - - 7,767.1 - - 7,841.9 - 7,867.1 - 7,931.1 - - 7,932.1 -	Perforated; 7,741.0-7,787.0	Tubing Anchor/catcher; 4.99; 7.582.0; 3.00; 7.585.0 7.585.0; 346.00; 7.931.0 Seating Nipple; 2 	AP Desi C-640 Current Mako Americ RPM (rp	365-168 Storke	M (a Mover Model 13	Stroke Hol B B Belt Model	Type	User 1	Beit	She	pave Size (ir instali	Date Date Dete	rican Pitna Installe	in Rod Ind Cond	Gear	Bax SN Removed Size (in)
7,479.0 - 7,582.0 - 7,585.0 - - 7,741.1 - - 7,767.1 - - 7,867.1 - - 7,867.1 - - 7,867.1 - - 7,931.1 - - 7,932.1 -	Perforated; 7,741.0-7,767.0- 8KB 7,842.0-7,867.0- 8KB 7,842.0-7,867.0- 8KB	Tubing Anchor/catcher; 4.99,7.582.0; 3.00; 7,585.0 Tubing; 2 7/8; 	AP Design Concentration Pump Mate Americ RPM (rpu	365-168 Stocke	Model Model	Stroke Hol	rype Electr	User 1	Beit	She	irste [®]	Date	rican Pitna Instalie	in Rod	Gear	Bax SN Removed Size (in)
7,479.0 - 7,582.0 - 7,585.0 - - 7,741.1 - - 7,767.1 - - 7,841.9 - 7,867.1 - 7,931.1 - - 7,932.1 - - 7,936.0 -	Perforated; 7,741.0-7,767.0	Tubing Anchor/catcher; 4.89, 7.585.0; 3.00; 7,585.0 Tubing; 2 7/8; 	AP Deale C-640 Current Mass Americ RPM (rp	365-168 Stocke	Model Model	Stroke Hol	Type Electr	ric	Beit	She	erve Size (ir install	Ame	rican Frime Instatie	in Rod id Cond d	Gear	Bax SN Removed Size (in)
7,479.0 - 7,582.0 - 7,585.0 - - 7,741.1 - - 7,767.1 - - 7,841.9 - 7,867.1 - 7,831.1 - - 7,932.1 - - 7,936.0 - - 7,936.0 -	Perforated; 7,741.0-7,787.0	Tubing Anchor/catcher; 4.99; 7.582.0; 3.00; 7.585.0 7.585.0; 346.00; 7.931.0 Seating Nipple; 2 7/8; 7.931.0; 1.00; 7.932.0 Perforated Sub; 2 7/8; 7.932.0; 4.00; 7.932.0 Tubing; 2 7/8; -7.936.0; 31.00; 7.967.0	AP Desi C-640 Current Mako Americ RPM (rp	365-168 Stocke	M Over	Stroke Hol	Type Electr	User 1	Beit	She	pave Size (ir instali i)	Date 1	rican Frime Installe	in Rod ind Cond et Sh	Gear	Bax SN Removed Size (in)
7,479.0 - 7,582.0 - 7,585.0 - - 7,741.1 - - 7,767.1 - - 7,841.9 - 7,867.1 - - 7,867.1 - - 7,931.1 - - 7,932.1 - - 7,936.0 - - 7,956.9	Perforated; 7,741.0-7,767.0- 8KB 7,842.0-7,867.0- 8KB 7,842.0-7,867.0- 8KB	Tubing Anchor/catcher; 4.99,7.582.0; 3.00; 7.585.0 Tubing: 2.7/8; 7.585.0; 346.00; 7.931.0 Seating Nipple; 2 7/8; 7.931.0; 1.00; 7.932.0 Perforated Sub; 2 7/8; 7.932.0; 4.00; 7.936.0; Tubing; 2.7/8; 7.936.0; 31.00; 7.957.0 Bull Plug; 2.7/8; c.7.957.100;	AP Design Concernent Pump Mate Americ RPM (rpu	365-168 Stocke	Model Model	Stroke Hol	e Filectr	User 1	est 2	She	irste [®]	Ame) Max Date 	rican Frimu Installe	in Rod id Cond et S	Gear	Bax SN Removed Size (in)
7,479.0 7,582.0 - 7,585.0 - 7,781.1 - 7,767.1 - 7,841.9 7,867.1 - 7,867.1 - 7,931.1 - 7,932.1 - 7,936.0 - 7,956.9 7,967.8 -	Perforated; 7,741.0-7,767.0 8KB 7,842.0-7,867.0 8KB 7,842.0-7,867.0 8KB	Tubing Anchor/catcher; 4.89, 7.582.0; 3.00; 7,585.0 Tubing: 2 7/8; 7,585.0; 346.00; 7,931.0 Seating Nipple; 2 7/8; 7,931.0; 1.00; 7,932.0; 4.00; 7,936.0 Tubing: 2 7/8; -7,936.0; 31.00; 7,957.0; 1.00; 7,968.0 Production	AP Design Concentration Pump Maxe Americin RPM (rp	365-168 Stocke	Model Model	Stroke Hol	e Flectr	ric	Beit	She	itristell	Ame	rican Frimu Instalia	in Rod id Cond et SP	Gear	Bax SN Removed Size (in)
7,479.0 7,582.0 - 7,585.0 - 7,785.0 - 7,741.1 - 7,7741.1 - 7,741.1 - 7,841.9 - 7,931.1 - 7,932.1 - 7,935.0 -	Perforated; 7,741.0-7,767.0	Tubing Anchor/catcher; 4.99, 7.582.0; 3.00; 7.585.0 Tubing; 2 7/8; -7.585.0; 346.00; 7.931.0 Seating Nipple: 2 -7/8; 7.931.0; 1.00; 7.932.0 Perforated Sub; 2 -7/8; 7.932.0; 4.00; 7.936.0 Tubing; 2 7/8; -7.936.0; 31.00; 7.957.0 Bull Plug; 2 7/8; -7.967.0; 1.00; 7.967.0; 1.00; 7.967.0; 1.00; 7.964.ction Casing; 5 1/2; 14.0; 8, 110.0	AP Deale C-640 Current Mass America RPM (rp	365-168 Stocke	M Over Model	Stroke Hol	e Type Electr	ric	Beit	She	instal instal	Ame	rican Frimu Instalic at X-see	in Rod id Cond dt SP	Gear	Bax SN Removed Size (in)
7.479.0 7.582.0 - 7.585.0 - 7.7,741.1 - 7.7,767.1 - 7.867.1 - 7.867.1 - 7.931.1 . 7.932.1 - 7.932.1 - 7.936.0 - 7.956.9 7.967.8 - 8,109.9	Perforated; 7,741.0-7,787.0	Tubing Anchor/catcher; 4.99,7,582.0; 3.00; 7,585.0 7,585.0; 346.00; 7,931.0 7,931.0 9 9 9 9 9 9 9 7/8; 7,931.0; 1.00; 7,932.0 9 9 9 9 9 7/8; 7,931.0; 1.00; 7,932.0 1 0 1 9 9 1 9 3 5 1,2 9 1 0 9 1 9 1 0 9 1 9 1 0 1 0	AP Desi C-640 Current Make Americ RPM (rpu	365-168 Stocke	M Over	Stroke Hol		User 1	Beit	She	pave Size (ir install i)	Date 1	rican Frimu Installe	in Rod Ind Cond	Gear	Bax SN Removed Size (in)
7,479.0 7,582.0 - 7,585.0 - 7,741.1 - 7,767.1 - 7,841.9 7,867.1 - 7,867.1 - 7,931.1 - 7,932.1 - 7,936.0 - 7,956.9 7,966.9 7,967.8 - 8,109.9	Perforated; 7,741.0-7,767.0 8KB 7,842.0-7,867.0 8KB 7,842.0-7,867.0 8KB	Tubing Anchor/catcher; 4.89, 7.582.0; 3.00; 7.585.0 Tubing; 2.7/8; 7.585.0; 346.00; 7.931.0 Perforated Sub; 2 7/8; 7.931.0; 1.00; 7.932.0 Perforated Sub; 2 7/8; 7.932.0; 4.00; 7.936.0 Tubing; 2.7/8; 7.936.0; 31.00; 7.936.0; 31.00; 7.936.0; 31.00; 7.968.0 Production Casing; 5.1/2; 14.0; 8,110.0; ft/B	AP Deale C-640 Current Mate Ameriti RPM (rp	365-168 Stocke	Model Model	Stroke Hol	e Filectr	ric		She	enve Size (ir irrstell)	Ame	rican Frimu Installe tit X-see	in Rod id Cond et SP	Gear	Bax SN Removed Size (in)

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.

- 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
- 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
 - 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 $\frac{1}{2}$ " 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)