orm 3160-5 une 2015)	FORM OMB 1 Expires: Deficience of the form	1 APPROVED NO. 1004-0137 January 31, 2018		
HOB Do not use the	is form for proposals to drill (II. Use form 3160-3 (APD) for	or to re-enter an such proposals.	CD Hobbsn, Allottee	or Tribe Name
JAN SUBMIT IN	TRIPLICATE - Other instruction	ons on page 2	7. If Unit or CA/Ag	eement, Name and/or No.
1. Type of Well Gas Well Oth	her		8. Well Name and N PERRO LOCO	o. 22 B3PA FEDERAL 1H
2. Name of Operator MEWBOURNE OIL COMPAN	Contact: JACK	KIE LATHAN urne.com	9. API Well No. 30-025-43393	-00-X1
3a. Address HOBBS, NM 88241	3b. 1 Ph:	Phone No. (include area code) 575-393-5905	10. Field and Pool o OJO CHISO	r Exploratory Area
4. Location of Well (Footage, Sec., 7	T., R., M., or Survey Description)		11. County or Parish	, State
Sec 27 T22S R34E NENE 20	OFNL 500FEL		LEA COUNTY	, NM
12. CHECK THE A	PPROPRIATE BOX(ES) TO I	NDICATE NATURE OF	F NOTICE, REPORT, OR OT	THER DATA
TYPE OF SUBMISSION		TYPE OF	ACTION	
Notice of Intent	□ Acidize	Deepen	□ Production (Start/Resume)	□ Water Shut-Off
Subsequent Barant	Alter Casing	Hydraulic Fracturing	Reclamation	Well Integrity
U Subsequent Report	Casing Repair	□ New Construction	Recomplete	□ Other
Final Abandonment Notice	Change Plans	Plug and Abandon	Temporarily Abandon	
	Convert to Injection	Plug Back	U Water Disposal	
testing has been completed. Final A determined that the site is ready for f MOC would like to change the Please see attachment for cas	bandonment Notices must be filed only final inspection. e 5 1/2" production casing to 7" sing specs and cementing deta	production casing with a ills.	a 4 1/2" liner.	d and the operator has
	SEE ATTACHED I CONDITIONS OF	FOR APPROVAL		
4. I hereby certify that the foregoing is	s true and correct. Electronic Submission #36366	8 verified by the BLM Wel	I Information System	
Com	mitted to AFMSS for processing	by TEUNGKU KRUENG on	01/12/2017 (17TMK0010SE)	
Name (Printed/Typed) ANDY TA	YLOR	Title ENGINE	ER	
Signature (Electronic	Submission)	Date 01/12/20	017	
	THIS SPACE FOR FI	EDERAL OR STATE	OFFICE USE	
Approved By	ungku Muchlis Krueng	Title	PETROLEUMENGINDER	Date
onditions of approval, if any, are attache rtify that the applicant holds legal or equi-	ed. Approval of this notice does not wa uitable title to those rights in the subject act operations thereon.	arrant or ct lease Office	JAN 1 2 201	7
nen would entitle the applicant to condu				the second se
tle 18 U.S.C. Section 1001 and Title 43 States any false, fictitious or fraudulent	U.S.C. Section 1212, make it a crime statements or representations as to any	for any person knowingly and matter within its jurisdiction.	willfully to make to any department	or agency of the United

1. Geologic Formations

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TVD of target	11259'	Pilot hole depth	NA
MD at TD:	16208'	Deepest expected fresh water:	100'

Reef Depth (TVD) Water/Mineral Bearing/ Hazards* Formation from KB) **Target Zone?** Quaternary Alluvium Surface Water 1740 Water Rustler Top of Salt 1875 Salt Tansill/Base Salt 3350 3470 Oil Yates Seven Rivers Capitan 3975 **Delaware Group** 5690 Oil/Gas Bone Spring 8500 Oil/Gas 3rd Bone Spring 10920 Target Zone Wolfcamp Will Not Penetrate Cisco Canyon Strawn Atoka Morrow **Barnett Shale** Woodford Shale Devonian Fusselman Ellenburger Granite Wash

*H2S, water flows, loss of circulation, abnormal pressures, etc.

Hole	Casin	g Interval	Csg.	Weight	Grade	Conn.	SF	SF	SF
Size	From	То	Size	(lbs)			Collapse	Burst	Tension
17.5"	0	1200	13.375"	48	H40	STC	1.19	2.77	3.64
17.5"	1200	1765	13.375	54.5	J55	STC	1.23	2.97	16.69
12.25"	0	3400	9.625"	36	J55	LTC	1.14	1.99	2.16
12.25"	3400	4350	9.625"	40	J55	LTC	1.14	1.75	5.94
12.25"	4350	5250	9.625"	40	N80	LTC	1.13	2.11	14.66
12.25"	5250	5590	9.625"	40	HCL80	LTC	1.46	1.98	61.54
8.75"	0	11535	7"	26.526	P110	LTC	1.39	1.78	2.17
6.125"	10782	16208	4.5"	13.5	P110	LTC	1.82	2.12	4.61
				BLM Min	imum Safe	ty Factor	1.125	1	1.6 Dry
			Der	Andx					1.8 Wet

2. Casing Program

.

All casing strings will be tested in accordance with Onshore Oil and Gas Order #2 III.B.1.h Must have table for contingency casing

	Y or N	
Is casing new? If used, attach certification as required in Onshore Order #1	Y	
Does casing meet API specifications? If no, attach casing specification sheet.		
Is premium or uncommon casing planned? If yes attach casing specification sheet.	N	
Does the above casing design meet or exceed BLM's minimum standards? If not provide	Y	
justification (loading assumptions, casing design criteria).		
Will the intermediate pipe be kept at a minimum 1/3 fluid filled to avoid approaching	Y	
the collapse pressure rating of the casing?		
Is well located within Canitan Reef?	V	
If we does production easing coment tie back a minimum of 50' above the Reef?	V	
If yes, does production casing cement de back a minimum of 50° above the Reef?	I	
Is well within the designated 4 string boundary.	IN	
Is well located in SOPA but not in R-111-P?	N	
If yes, are the first 2 strings cemented to surface and 3 rd string cement tied back		
500' into previous casing?		
Is well located in R-111-P and SOPA?	N	
If yes, are the first three strings cemented to surface?		
Is 2 nd string set 100' to 600' below the base of salt?		
Is well located in high Cave/Karst?	N	
If yes, are there two strings cemented to surface?		
(For 2 string wells) If yes, is there a contingency casing if lost circulation occurs?		
Is well located in critical Cave/Karst?	N	
If yes, are there three strings cemented to surface?		

Casing	# Sks	Wt. lb/ gal	Yld ft3/ sack	H ₂ 0 gal/ sk	500# Comp. Strength (hours)	Slurry Description
Surf.	1030	12.5	2.12	11	10	Lead: Class C + 4.0% Bentonite + 0.6% CD-32 + 5% Sodium Chloride +0.25lb/sk Cello-Flake
	200	14.8	1.34	6.3	5	Tail: Class C + 0.005pps Static Free + 1% CaCl2 + 0.25 pps CelloFlake + 0.005 gps FP-6L
Inter.	180	12.5	2.12	11	10	1 st Lead: Class C + 4.0% Bentonite + 0.6% CD-32 + 5% Sodium Chloride +0.25lb/sk Cello-Flake
	200	14.8	1.34	6.3	5	1 st Tail: Class C + 0.005pps Static Free + 1% CaCl2 + 0.25 pps CelloFlake + 0.005 gps FP-6L
DV Tool & ECP @ 3925'					ol & ECP @ 3925'	
	598	12.5	2.12	11	10	2 nd Lead: Class C + 4.0% Bentonite + 0.6% CD-32 + 5% Sodium Chloride +0.25lb/sk Cello-Flake
	200	14.8	1.32	8	5	2 nd Tail: Class C + 0.25 lb/sk Cello Flake + 0.005 lb/sk Static Free
Prod.	500	12.5	2.12	11	9	Lead: Class C + Gel + Retarder + Defoamer + Extender
	400	15.6	1.18	5.2	10	Tail: Class H + Retarder + Fluid Loss + Defoamer
Liner	220	11.2	2.97	17	16	Class C + Salt + Gel + Fluid Loss + Retarder + Dispersant + Defoamer + Anti-Settling Agent

3. Cementing Program

DV tool depth(s) will be adjusted based on hole conditions and cement volumes will be adjusted proportionally. DV tool will be set a minimum of 50 feet below previous casing and a minimum of 200 feet above current shoe. Lab reports with the 500 psi compressive strength time for the cement will be onsite for review.

Casing String	TOC	% Excess
Surface	0'	100%
Intermediate	0'	25%
Production	3925'	25%
Liner	10782'	25%

4. Pressure Control Equipment

N A variance is requested for the use of a diverter on the surface casing. See attached for schematic.

BOP installed and tested before drilling which hole?	Size?	Min. Required WP	Туре		-	Tested to:																			
			Anr	nular	X	1250#																			
			Blind	l Ram																					
12-1/4"	13-5/8"	2M	Pipe	Ram																					
			Doub	le Ram																					
			Other*																						
	13-5/8"	5M	Anı	Annular		2500#																			
			Blind Ram		X																				
0 2/1/2			Pipe Ram		X																				
8-3/4			Doub	le Ram		5000#																			
																								Other *	
			Anı	nular	X	2500#																			
6-1/8"		514	534	514	514		5/011 EN4	12.5/011 514		Blind	l Ram	X													
	12 5/01								Pipe	Ram	X														
	13-3/8	JIVI	Doub	le Ram		5000#																			
			Other *																						

*Specify if additional ram is utilized.

BOP/BOPE will be tested by an independent service company to 250 psi low and the high pressure indicated above per Onshore Order 2 requirements. The System may be upgraded to a higher pressure but still tested to the working pressure listed in the table above. If the system is upgraded all the components installed will be functional and tested.

Pipe rams will be operationally checked each 24 hour period. Blind rams will be operationally checked on each trip out of the hole. These checks will be noted on the daily tour sheets. Other accessories to the BOP equipment will include a Kelly cock and floor safety valve (inside BOP) and choke lines and choke manifold. See attached schematics.

X Formation integrity test will be performed per Onshore Order #2.
On Exploratory wells or on that portion of any well approved for a 5M BOPE system or greater, a pressure integrity test of each casing shoe shall be performed. Will be tested in accordance with Onshore Oil and Gas Order #2 III.B.1.i.

	A variance is requested for the use of a flexible choke line from the BOP to Choke					
Y	Manifold. See attached for specs and hydrostatic test chart.					
	N Are anchors required by manufacturer?					
N	A multibowl wellhead is being used. The BOP will be tested per Onshore Order #2 after					
	installation on the surface casing which will cover testing requirements for a maximum of					
	30 days. If any seal subject to test pressure is broken the system must be tested.					
	Provide description here					
	See attached schematic.					

5. Mud Program

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Depth		Туре	Type Weight (ppg)		Water Loss	
From	То			S. Marshall		
0	1765	FW Gel	8.6-8.8	28-34	N/C	
1765	5590	Brine*	10.0-10.2	29-34	N/C	
5590	10782	Cut Brine	8.5-9.3	28-34	N/C	
10782	16208	FW w/polymer	8.5-9.3	28-34	N/C	

Sufficient mud materials to maintain mud properties and meet minimum lost circulation and weight increase requirements will be kept on location at all times.

*Aerated fluid will be used to drill 12 ¹/₄" hole if circulation is lost.

What will be used to monitor the loss or gain	Visual Monitoring
of fluid?	

6. Logging and Testing Procedures

Logg	ing, Coring and Testing.
X	Will run GR/CNL from KOP to surface (horizontal well - vertical portion of hole). Stated
	logs run will be in the Completion Report and submitted to the BLM.
	No Logs are planned based on well control or offset log information.
	Drill stem test? If yes, explain
	Coring? If yes, explain

Add	itional logs planned	Interval
Х	GR	KOP(10782') to TD
	Density	
	CBL	
	Mud log	
	PEX	

7. Drilling Conditions

Condition	Specify what type and where?				
BH Pressure at deepest TVD	5445 psi				
Abnormal Temperature	No				

Mitigation measure for abnormal conditions. Describe. Lost circulation material/sweeps/mud scavengers.

Hydrogen Sulfide (H2S) monitors will be installed prior to drilling out the surface shoe. If H2S is detected in concentrations greater than 100 ppm, the operator will comply with the provisions of Onshore Oil and Gas Order #6. If Hydrogen Sulfide is encountered, measured values and formations will be provided to the BLM.

H2S is present

H2S Plan attached

8. Other facets of operation

Is this a walking operation? If yes, describe. Will be pre-setting casing? If yes, describe.

Attachments

____ Directional Plan

____ Other, describe

223427a APD15-430 Perro Loco 22 B3PA Federal 1H 30025 NMNM111970 Mewbourne v12.45 Sundry TMAK 01122017

122/0									
13 3/0	surface	csg in a	17 1/2	inch hole.	# ABM # ABBY # A	Design I	Factors	SUR	FACE
Segment	#/ft	Grade		Coupling	Joint	Collapse	Burst	Length	Weight
"A"	48.00	H	40	ST&C	3.52	1.4	0.58	1,200	57,600
"B"	54.50	Sec. J	55	ST&C	15.21	1.36	0.92	620	33,790
w/8.4#/g n	nud, 30min Sf	c Csg Test psig:	687	Tail Cmt	does not	circ to sfc.	Totals:	1,820	91,390
Comparison of	Proposed t	o Minimum I	Required Cer	ment Volumes					
Hole	Annular	1 Stage	1 Stage	Min	1 Stage	Drilling	Calc	Rea'd	Min Dist
Size	Volume	Cmt Sx	CuFt Cmt	Cu Ft	% Excess	Mud Wt	MASP	BOPE	Hole-Cplo
17 1/2	0.6946	1230	2452	1319	86	8.80	1732	2M	1.56
Burst Frac Gradi	ient(s) for Se	ament(s) A	B = 15 ΔΙ	>0.70 OK		Contraction of the second s		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
									·
95/8	casing in	side the	13 3/8	-		Design	Factors	INTERN	IEDIATE
Segment	#/ft	Grade	12. 1-510	Coupling	Joint	Collapse	Burst	Length	Weight
"A"	36.00	J	55	LT&C	2.16	1.68	0.65	3,400	122,400
"B"	40.00	J	55	LT&C	5.94	1.67	0.73	950	38,000
w/8.4#/g n	nud, 30min Sf	c Csg Test psig:					Totals:	5,590	210,000
The c	ement volu	me(s) are int	tended to ach	nieve a top of	0	ft from su	irface or a	1820	overlap.
Hole	Annular	1 Stage	1 Stage	Min	1 Stage	Drilling	Calc	Req'd	Min Dist
Size	Volume	Cmt Sx	CuFt Cmt	Cu Ft	% Excess	Mud Wt	MASP	BOPE	Hole-Cpl
12 1/4	0.3132	look >	0	1876		10.20	2962	3M	0.81
D V Tool(s):		a second a second	3925	in a shared findle of the or a		A COLUMN SOLUTION	sum of sx	Σ CuFt	Σ%exces
by stage % :		20	15				1178	2181	16
7 Segment	casing in	iside the	9 5/8	Coupling	loint	Design Fa	ctors Buret	PROD	
Segment	#/10	Grade	110	LTRC	2 27	4 01	1 02	2 200	92 409
A	20.00		110	LTAC	1.06	4.01	1.00	7.574	106 02/
B	20.00	E D	110	LTRC	1.90	1.04	1.03	752	10 579
""	20.00	5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	110	LIQU	00.00	1.14	1.03	100	19,570
U	all Annals .		1 500				Totale:	11 525	200.01/
w/8.4#/g n	nud, 30min St	c Csg Test psig:	1,500		2.24	1 10	if it work o	11,555	299,910
BV	vouid be:		NIT D		3.31	1.19	ir it were a	vertical we	elibore.
No Pilo	t Hole Pla	nned	MID	Max VID	Csg VD	Curve KOP	Dogleg	Severity	MEOC
			11535	11259	11259	10781	90	12	11535
The c	ement volu	me(s) are int	tended to act	hieve a top of	3925	ft from su	irface or a	1665	overlap.
Hole	Annular	1 Stage	1 Stage	Min	1 Stage	Drilling	Calc	Req'd	Min Dist
Size	Volume	Cmt Sx	CuFt Cmt	Cu Ft	V EVCOCE	Mud Wt	MASP	BOPE	Hole-Cpl
and the second se	11 160.2				/0 LACESS	A CONTRACTOR OF	0000	~	1 1 40 40
8 3/4	0.1505	900	1532	1175	30	9.30	2962	3M	0.55
8 3/4	0.1303	900	1532	1175 Casing needs t	30 to be 1/3 full	9.30 to pass	2962	3M	0.55
8 3/4 4 1/2	Liner w	900 /top@	1532 10782	1175 Casing needs	30 to be 1/3 full	9.30 to pass Design	2962 Factors	3M	NER
8 3/4 4 1/2 Segment	Liner w	900 //top @ Grade	1532 10782	1175 Casing needs Coupling	30 to be 1/3 full Joint	9.30 to pass Design Collapse	2962 Factors Burst	3M	NER Weight
8 3/4 4 1/2 Segment "A"	Liner w #/ft 13.50	900 /top @ Grade P	10782 1100	1175 Casing needs t Coupling LT&C	30 to be 1/3 full Joint 2.93	9.30 to pass Design Collapse 1.75	2962 Factors Burst 2.28	3M Lin Length 753	0.55 NER Weight 10,166
8 3/4 4 1/2 Segment "A" "B"	Liner w #/ft 13.50 13.50	900 /top @ Grade P P	10782 110 110	1175 Casing needs the complete	30 to be 1/3 full Joint 2.93 2.38	9.30 to pass Design Collapse 1.75 1.96	2962 Factors Burst 2.28 2.28 2.28	3M Lii Length 753 4,673	NER Weight 10,166 63,086
8 3/4 4 1/2 Segment "A" "B" w/8.4#/gn	Liner w #/ft 13.50 13.50 nud, 30min Sf	900 •/top @ Grade P c Csg Test psig:	10782 110 110 2,477	1175 Casing needs Coupling LT&C LT&C	30 to be 1/3 full Joint 2.93 2.38	9.30 to pass Design Collapse 1.75 1.96	2962 Factors Burst 2.28 2.28 2.28 Totals:	3M Lii Length 753 4,673 5,426	NER Weight 10,166 63,086 73,251
8 3/4 4 1/2 Segment "A" "B" w/8.4#/g n A Se	Liner w #/ft 13.50 13.50 nud, 30min Sf ;gment De:	900 //top @ Grade P c Csg Test psig: sign Factors	10782 110 110 2,477 s would be:	1175 Casing needs the complete	30 to be 1/3 full Joint 2.93 2.38 4.61	9.30 to pass Design Collapse 1.75 1.96 1.96	2962 Factors Burst 2.28 2.28 Totals: if it were a v	3M LII Length 753 4,673 5,426 vertical wellt	NER Weight 10,166 63,086 73,251 pore.
8 3/4 4 1/2 Segment "A" "B" w/8.4#/gm A Se	Liner w #/ft 13.50 13.50 nud, 30min Sf sgment Des	900 //top @ Grade P c Csg Test psig: sign Factors	10782 110 110 2,477 s would be: MTD	1175 Casing needs of Coupling LT&C LT&C Max VTD	30 Joint 2.93 2.38 4.61 Csg VD	9.30 to pass Design Collapse 1.75 1.96 1.96 Curve KOP	2962 Factors Burst 2.28 2.28 Totals: if it were a v Dogleg°	3M LII Length 753 4,673 5,426 vertical wellk Severity ^o	NER Weight 10,166 63,086 73,251 pore. MEOC
8 3/4 4 1/2 Segment "A" "B" w/8.4#/g n A Se No Pilo	Liner w #/ft 13.50 13.50 nud, 30min Sf gment Des t Hole Pla	900 //top @ Grade P c Csg Test psig: sign Factors nned	10782 110 110 2,477 \$ would be: MTD 16208	1175 Casing needs the complete of the complete	30 50 be 1/3 full Joint 2.93 2.38 4.61 Csg VD 11259	9.30 to pass Design Collapse 1.75 1.96 1.96 Curve KOP 10781	2962 Factors Burst 2.28 2.28 Totals: if it were a v Dogleg° 90	3M LII Length 753 4,673 5,426 vertical wellk Severity ^o 12	NER Weight 10,166 63,086 73,251 pore. MEOC 11535
8 3/4 4 1/2 Segment "A" "B" w/8.4#/g n A Se No Pilo The c	Liner w #/ft 13.50 13.50 nud, 30min Sf sgment Des it Hole Plan cement volu	900 //top @ Grade P c Csg Test psig: sign Factors nned me(s) are int	10782 110 110 2,477 s would be: MTD 16208 cended to act	1175 Casing needs the complete of the complete	30 50 be 1/3 full Joint 2.93 2.38 4.61 Csg VD 11259 10782	9.30 to pass Design Collapse 1.75 1.96 1.96 Curve KOP 10781 ft from su	2962 Factors Burst 2.28 2.28 Totals: if it were a v Dogleg° 90 urface or a	3M Lli Length 753 4,673 5,426 vertical wellk Severity ^o 12 753	NER Weigh 10,166 63,086 73,251 pore. MEOC 11535 overlap.
8 3/4 4 1/2 Segment "A" "B" w/8.4#/g n A Se No Pilo The c Hole	Liner w #/ft 13.50 13.50 nud, 30min Sf agment Der it Hole Plan cement volu Annular	900 //top @ Grade P c Csg Test psig: sign Factors nned me(s) are int 1 Stage	10782 110 110 2,477 s would be: MTD 16208 cended to act 1 Stage	1175 Casing needs of Coupling LT&C LT&C Max VTD 11259 nieve a top of Min	30 Joint 2.93 2.38 4.61 Csg VD 11259 10782 1 Stage	9.30 to pass Design Collapse 1.75 1.96 Curve KOP 10781 ft from su Drilling	2962 Factors Burst 2.28 2.28 Totals: if it were a v Dogleg° 90 urface or a Calc	3M Lli Length 753 4,673 5,426 vertical wellk Severity ^o 12 753 Req'd	NER Weight 10,166 63,086 73,251 pore. MEOC 11535 overlap. Min Dist
8 3/4 4 1/2 Segment "A" "B" w/8.4#/g n A Se No Pilo The c Hole Size	Liner w #/ft 13.50 13.50 nud, 30min Sf agment De: it Hole Plai cement volu Annular Volume	900 //top @ Grade P c Csg Test psig: sign Factors nned me(s) are int 1 Stage Cmt Sx	10782 110 110 2,477 s would be: MTD 16208 ended to act 1 Stage CuFt Cmt	1175 Casing needs of Coupling LT&C LT&C Max VTD 11259 hieve a top of Min Cu Ft	30 30 30 30 30 30 30 30 30 30	9.30 to pass Design Collapse 1.75 1.96 Curve KOP 10781 ft from su Drilling Mud Wt	2962 Factors Burst 2.28 2.28 Totals: if it were a v Dogleg° 90 urface or a Calc MASP	3M Lli Length 753 4,673 5,426 rertical wellt Severity ^o 12 753 Req'd BOPE	NER Weight 10,166 63,086 73,251 bore. MEOC 11535 overlap. Min Dist Hole-Col
8 3/4 4 1/2 Segment "A" "B" w/8.4#/g n A Se No Pilo The c Hole Size 6 1/8	Liner w #/ft 13.50 13.50 nud, 30min Sf agment Des it Hole Plan cement volu Annular Volume 0.0942	900 //top @ Grade P c Csg Test psig: sign Factors nned me(s) are int 1 Stage Cmt Sx	10782 110 110 2,477 s would be: MTD 16208 ended to ach 1 Stage CuFt Cmt 0	1175 Casing needs of Coupling LT&C LT&C Max VTD 11259 hieve a top of Min Cu Ft 522	30 30 30 Joint 2.93 2.38 4.61 Csg VD 11259 10782 1 Stage % Excess	9.30 to pass Design Collapse 1.75 1.96 Curve KOP 10781 ft from su Drilling Mud Wt 9.30	2962 Factors Burst 2.28 2.28 Totals: if it were a v Dogleg° 90 urface or a Calc MASP	3M Lil Length 753 4,673 5,426 vertical wellt Severity° 12 753 Req'd BOPE	NER Weight 10,166 63,086 73,251 pore. MEOC 11535 overlap. Min Dist Hole-Cpl 0.56

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All previous COA still apply except the following:

The 7 inch production casing must be kept liquid filled while running into hole to meet minimum BLM requirements for collapse.

- 1. The minimum required fill of cement behind the 7 inch production casing is:
 - Cement should tie-back at least 200 feet into previous casing string. Operator shall provide method of verification.

Formation below the 7" shoe to be tested according to Onshore Order 2.III.B.1.i. Test to be done as a mud equivalency test using the mud weight necessary for the pore pressure of the formation below the shoe (not the mud weight required to prevent dissolving the salt formation) and the mud weight for the bottom of the hole. Report results to BLM office.

- 2. The minimum required fill of cement behind the 4-1/2 inch production liner is:
 - Cement should tie-back to the top of the liner. Operator shall provide method of verification.