	W MEXICO		EBASERVATI			Form C-101 Revised 10-1	20-005-6119 -78	
DISTRIBUTIO	N	NOVSA	41985E, NEW ME	EXICO 87501		SA. Indicate	Type of Lease	
SANTA FE			1	-		ATATE X		
FILE		O. (	C. D.			1. State Off 6	Gas Louse No.	
U.S.G.S.		ARTESIA	, OFFICE					
OPERATOR						<u> </u>		
APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK								
Type of Work					,	7. Unit Agree	ment Name	
D		5	DEEPEN	PLUG				
Type of Well						8. Farm or Leose Name		
						State RL 16		
Tame of Operator	Tonmogo Odl (					9. Well No.		
	Tenneco Oil (	Jompany V				1	The shift have been seen as a second s	
Address of Operator 7990 IH 10 West, San Antonio, Tx 78230							10. Field and Pool, or Wildcat	
						Wildcat - Darman		
ocation of Well	UNIT LETTER <u>M</u>	Lor	CATED 330	LET FROM THESC	outh LINE			
330 ,	-	act	16	110 1	19T	XIIIIII	HHHHHH	
mmm	TTTTTT	vest Lin	NE OF SEC. 16 T	WP. 115 RCE. 2		12. County	<del>,,}}}}}}</del>	
HHHHH	HHHHHH	HHHH	///////////////////////////////////////			Chaves		
4444444	<i>HHHHH</i>	HHHH	+++++++++++++++++++++++++++++++++++++++	<i>HHHHHH</i>	HHHH	()))))	httilin	
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<i>\\}\\\\\\\</i>	<i>HHHHH</i>	++++++++	*********	9. Froposed Depth	15A, Formation		D. Rotary or C.T.	
		HHHHH		7200'	Devoni	1	Rotary	
Lievations (Show w	hether UF, KT, etc.)	21A. Kind	6 Status Plug. Bond 2	1B. Drilling Contractor		22. Apprex.	Date Work will start	
3669.5 GR		Blank		Unknown		11-1		
<u> </u>					•		• • · · · · · · · · · · · · · · · · · ·	
		P	PROPOSED CASING AND	CEMENT PROGRAM		•		
SIZE OF HO	E SIZE C	OF CASING	WEIGHT PER FOOT	SETTING DEPTH	I SACKS OF	CEMENT	EST. TOP	
17 5"		3/8"	54.5# 350'			Class C	surface	
11"		5/8"	24#	1900'	400 sxs		surface	
7 7/8	5 1	ź"	15.5#	7200'		Class H	400'	
1. Const	ruct suitable	e location	n.	1.	I			
2. MIRU.								
	17 1/2" hold							
	H. Run and		of 13 3/8", K5	5. 54.5#. STC		acina C		
4. SLM00					surrace c	asing. u	entralize and	
4. SLMOO cemen	it as per d	:ementing.	program. Slac					
4. SLMOO cemen compr	it as per c ression.	cementing.	program. Slac					
4. SLMOO cemen compr 5. WOC 8	nt as per c ression. 6 hours.	-		ck off weight	of casi	ng to le	ave in full	
<ul> <li>4. SLM00 cemen compr</li> <li>5. WOC 8</li> <li>6. Cut compr</li> </ul>	t as per d ression. 8 hours. 9 ff 13 3/8"	casing an	d install 13 3/	ck off weight	of casi	ng to le	ave in full	
4. SLM00 cemen compr 5. WOC 8 6. Cut c 1-2"	it as per d ression. 6 hours. off 13 3/8" 3M ball valve	casing an e and 1-2'	d install 13 3/ " bull plug.	ck off weight /8" x 13 5/8"	of casi 3M SOW ca	ng to le asing head	ave in full w/2-2"LPO,	
<ol> <li>SLM00 cemen compr</li> <li>WOC 8</li> <li>Cut c 1-2"</li> <li>NU 3M</li> </ol>	nt as per o ression. hours. off 13 3/8" 3M ball valvo SRRA BOPE w	casing an e and 1-2' w/manifold	d install 13 3/ "bull plug. 1. Test weld, w	ck off weight /8" x 13 5/8" wellhead, blind	of casi 3M SOW ca rams and	ng to le asing head choke man	ave in full w/2-2"LPO,	
<ol> <li>SLM00 cemen compr</li> <li>WOC 8</li> <li>Cut c 1-2"</li> <li>NU 3M psi.</li> </ol>	it as per o ression. 6 hours. off 13 3/8" 3M ball valvo 1 SRRA BOPE o Witness all	casing an e and 1-2' w/manifold tests.	d install 13 3/ " bull plug. 1. Test weld, w Test wellhead we	ck off weight /8" x 13 5/8" wellhead, blind 1d w/wellhead s	of casi 3M SOW ca rams and serviceman	ng to le asing head choke man	ave in full w/2-2" LPO, nifold to 500	
<ol> <li>SLM00 cemen compr</li> <li>WOC 8</li> <li>Cut c 1-2"</li> <li>NU 3M psi.</li> <li>RIH w</li> </ol>	t as per o ession. hours. off 13 3/8" 3M ball valvo I SRRA BOPE w Witness all v/ll" bit and	casing an e and 1-2' w/manifold tests. 1 BHA to t	d install 13 3/ " bull plug. 1. Test weld, w Test wellhead we top of cement.	ck off weight /8" x 13 5/8" wellhead, blind 1d w/wellhead s Test casing and	of casi 3M SOW ca rams and serviceman d pipe ram	ng to le asing head choke man a. as to 500	ave in full w/2-2" LPO, nifold to 500	
<ul> <li>4. SLM00 cemen compr</li> <li>5. WOC 8</li> <li>6. Cut co 1-2"</li> <li>7. NU 3M psi.</li> <li>8. RIH w okay</li> </ul>	t as per o ression. hours. off 13 3/8" 3M ball valva SRRA BOPE w Witness all a/ll" bit and if there is	casing an e and 1-2' w/manifold tests. 1 BHA to t	d install 13 3/ " bull plug. 1. Test weld, w Test wellhead we	ck off weight /8" x 13 5/8" wellhead, blind 1d w/wellhead s Test casing and	of casi 3M SOW ca rams and serviceman d pipe ram 30 minutes	ng to le asing head choke man is to 500	eave in full w/2-2" LPO, nifold to 500 psi. Test is	
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- 10. Drill out float equipment and cement very cautiously.
- 11. RU mudloggers by 1000'.
- 12. Drill 11" hole to 1900' according to the Mud Program.
- 13. Circulate and condition hole to run 8 5/8" intermediate casing.
- 14. SLMOOH.
- 15. Run and cement 8 5/8" K55, 24#, STC intermediate casing as per cementing program.
- 16. WOC 8 hours.
- 17. Cut off 8 5/8" casing and 13 3/8" wellhead. Install 8 5/8" x 11" 3M SOW wellhead. Orange peel 13 3/8" casing to 8 5/8" casing with a 1" nipple and value on the 13 3/8" casing.
- 18. NU same BOPE, manifold and hydril w/pipe rams on bottom. Yellow-jacket test BOP to working pressure and hydril to 75% working pressure. Test SOW head to 1000 psi. Witness all tests.
- 19. RIH w/7 7/8" bit and BHA to top of cement. Test casing to 1500 psi.
- 20. Drill out float equipment and cement very cautiously.
- 21. Drill 7 7/8" hole to 7200'. SLM OOH. Run logs according to Logging Program and SWD. \*NOTE: Be prepared to run DST in the Devonian.
- 22. If DST is to be run RIH w/7 7/8" bit and BHA. Circulate and condition hole to DST if needed.
- 23. PU, MU and RIH w/DST tools. Try to be on bottom and ready to open tool at daybreak. Run DST as per SWD. POOH w/DST tools.
- 24. RIH w/7 7/8" bit and BHA. If well is to be cased, circulate and condition hole to run 5 1/2" production casing. If well is to be P&A'd, have geologist pick all geologic tops from electric logs and consult NMOCC for proper P&A procedure.
- 25. POOH and LD DP and DC's.
- 26. RU and run 5 1/2", K55, 15.5#, STC production casing. Cement and centralize according to Cement Program. Calculate final cement volumes based on open hole caliper.
- 27. ND BOP's. Set slips on 5 1/2" casing and cut off same. Install tubing head.
- 28. Release rig and MORT.

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