	West Anderson	Danch C	tata #1					Date	A	1006
Authorizatio	on numbers	<u>Kalluli S</u>			,			<u>-</u>	<u>August 4</u> ,	7390
listrict or p	Central - Sou	uth			· · · · · · · · · · · · · · · · · · ·					
ocation	1980' FNL and	660' FW	L of SEc. 9,	T-16-S,	R-32-E,			<u></u>		-
biectives	Lea County, Ne	ew Mexico	0							
ojectives	Devonian @ 13,	,650'								
tal vertica	Wolfcamp @ 9,8	300'		<u> </u>	To	tal measured de	epin			
	14,100'					14,1	100'			
evation	GL estd @ 4335	5'								
imated for	Rustler	1,240'		3350'	Abo Wolferma	75501		11,700'	Devonian	13,650'
	Salt Base of Salt	1,400 2,350'		4350 ' 5650 '	Wolfcamp Penn	8950' 10,100'		12,100'		
	Yates	2,500'	Yeso	5700'	Canyon	10,100		12,500' 12,950'		
			Tubb	6850'	Strawn	11,400'		13,550'		
	<u></u>		•		Well desig	 n				
	^{.g} 13-3, ⊾"hole	/8" 54.5	0# K-55 STC	8rd f/		Guide sho Cmtd to s	pe, insert FV v surface	w/4 cents.		
17	I3-3, sings and liners 9-5/8	8" 36# K	-55 STC 8rd	f/0-3000	' (3000')	Cmtd to s	urface	w/4 cents.		
17	13-3, Sings and liners 9-5/8 -1/4" hole 9-5/8	8" 36# K 8" 36# S	-55 STC 8rd -80 STC 8rd	f/0-3000 f/3000-4	' (3000') 400' (140	Cmtd to s	urface	w/4 cents.		
tective cas	13-3, Sings and liners 9-5/8 -1/4" hole 9-5/8	8" 36# K 8" 36# S	-55 STC 8rd	f/0-3000 f/3000-4	' (3000') 400' (140	Cmtd to s	urface	w/4 cents.		
174 rective cas 12-	13-3, Sings and liners 9-5/8 -1/4" hole 9-5/8 * Drift al	8" 36# K 8" 36# S 11 casin	-55 STC 8rd -80 STC 8rd g to allow an	f/0-3000 f/3000-4 n 8-3/4"	' (3000') 400' (140 bft	Cmtd to s FS, FC w O') cmtd	surface //5 cents to surface			
174 tective cas 12-	13-3, sings and liners 9-5/8 -1/4" hole 9-5/8 * Drift al sing 5- 5-1/2 8/4" hole 5-1/2	B" 36# K B" 36# S 11 casin 2" 20# L- 2" 20# L- 2" 17# L-	-55 STC 8rd -80 STC 8rd g to allow an -80 LTC 8rd 1 -80 LTC 8rd 1	f/0-3000 f/3000-4 n 8-3/4" f/0-1800 f/1800-4	' (3000') 400' (140 bft ' (1800') 400' (2600	Cmtd to s FS, FC w O') cmtd FS, FC w ')	Surface //5 cents 1 to surface //cents as need	ded.		
174 rective cas 12-	13-3, 13-3, 13-3, 13-3, 13-3, 9-5/8 -1/4" hole 9-5/8 * Drift al 5-1/2 3/4" hole 5-1/2 5-1/2	B" 36# K B" 36# S 11 casin 2" 20# L- 2" 17# L- 2" 17# K-	-55 STC 8rd -80 STC 8rd g to allow an -80 LTC 8rd f -80 LTC 8rd f -55 LTC 8rd f	f/0-3000 f/3000-4 n 8-3/4" f/0-1800 f/1800-4 f/4400-8	' (3000') 400' (140 bft ' (1800') 400' (2600 000' (3600	Cmtd to s FS, FC w O') cmtd FS, FC w ')	Surface //5 cents 1 to surface //cents as need	ded.		eded.
174 tective cas 12-	13-3, 13-3, 13-3, 13-3, 13-3, 9-5/8 -1/4" hole 9-5/8 * Drift al 5-1/2 5-1/2 5-1/2 5-1/2 5-1/2	B" 36# K B" 36# S 11 casin 2" 20# L- 2" 17# L- 2" 17# L- 2" 17# L-	-55 STC 8rd -80 STC 8rd g to allow an -80 LTC 8rd 1 -80 LTC 8rd 1 -55 LTC 8rd 1 -80 LTC 8rd 1	f/0-3000 f/3000-4 n 8-3/4" f/0-1800 f/1800-4 f/4400-8 f/8000-1	' (3000') 400' (140 bft ' (1800') 400' (2600 000' (3600 0,500' (25	Cmtd to s FS, FC w O') cmtd FS, FC w ') ') Bring OO')	surface //5 cents to surface	ded.		eded.
174 ective cas 12-	13-3, 13-3, 13-3, 13-3, 13-3, 9-5/8 -1/4" hole 9-5/8 * Drift al 5-1/2 5-1/2 5-1/2 5-1/2 5-1/2	B" 36# K B" 36# S 11 casin 2" 20# L- 2" 17# L- 2" 17# L- 2" 17# L-	-55 STC 8rd -80 STC 8rd g to allow an -80 LTC 8rd f -80 LTC 8rd f -55 LTC 8rd f	f/0-3000 f/3000-4 n 8-3/4" f/0-1800 f/1800-4 f/4400-8 f/8000-1	' (3000') 400' (140 bft ' (1800') 400' (2600 000' (3600 0,500' (25	Cmtd to s FS, FC w O') cmtd FS, FC w ') ') Bring OO')	Surface //5 cents 1 to surface //cents as need	ded.		eded.
174 tective cas 12- uction cas 8- 3	13-3, sings and liners 9-5/8 -1/4" hole 9-5/8 * Drift al sing 3- 5-1/2 3/4" hole 5-1/2 5-1/2 5-1/2	B" 36# K B" 36# S 11 casin 2" 20# L- 2" 17# L- 2" 17# L- 2" 20# 2	-55 STC 8rd -80 STC 8rd g to allow an -80 LTC 8rd 1 -80 LTC 8rd 1 -55 LTC 8rd 1 -80 LTC 8rd 1	f/0-3000 f/3000-4 n 8-3/4" f/0-1800 f/1800-4 f/1800-1 f/10,500	' (3000') 400' (140 bft ' (1800') 400' (2600 000' (3600 0,500' (25 -14,100' (Cmtd to s FS, FC w O') cmtd FS, FC w ') Bring OO') 3,600')	surface //5 cents 1 to surface //cents as need 1 TOC to tie in	ded. nto 9-5/8"	CSg as ne	eded.
174 ective cas 12- uction cas 8-3	13-3, 13-3, 13-3, 13-3, 13-3, 9-5/8 -1/4" hole 9-5/8 * Drift al 5-1/2 5-1/2 5-1/2 5-1/2 5-1/2	B" 36# K B" 36# S 11 casin 2" 20# L- 2" 17# L- 2" 17# L- 2" 20# 2 x 13-5/8	-55 STC 8rd -80 STC 8rd g to allow an -80 LTC 8rd 1 -80 LTC 8rd 1 -80 LTC 8rd 1 -80 LTC 8rd 1 -80 LTC 8rd 1	f/0-3000 f/3000-4 n 8-3/4" f/0-1800-4 f/1800-4 f/4400-8 f/8000-1 f/10,500 3-5/8" 30	' (3000') 400' (140 bft ' (1800') 400' (2600 000' (3600 0,500' (25 -14,100' (000# x 11"	Cmtd to s FS, FC w '0') cmtd FS, FC w ') Bring 00') 3,600') 5000#	surface //5 cents 1 to surface //cents as need 1 TOC to tie find 11" 5000# x 7-	ded. nto 9-5/8" -1/16" 500	csg as ne	eded.
174 ective cas 12- uction cas 8-3 ghead 1. 7.	13-3, 5 mgs and imers 9-5/8 -1/4" hole 9-5/8 * Drift al 5 mg 5- 5-1/2 5 1/2 5 1/2 5 1/2 5 -1/2 5 -1/2	B" 36# K B" 36# S 11 casin 2" 20# L- 2" 17# L- 2" 17# L- 2" 17# L- 2" 20# 2 × 13-5/8 0-2" Ada	-55 STC 8rd -80 STC 8rd g to allow an -80 LTC 8rd 1 -80 LTC 8rd 1 -80 LTC 8rd 1 -80 LTC 8rd 1 -80 LTC 8rd 1	f/0-3000 f/3000-4 n 8-3/4" f/0-1800 f/1800-4 f/8000-1 f/10,500 3-5/8" 3 splg 13	' (3000') 400' (140 bft ' (1800') 400' (2600 000' (25 -14,100' (000# x 11" -3/8" x 9-1	Cmtd to s FS, FC w '0') cmtd FS, FC w ') ') Bring 00') 3,600') 5000# 5/8" x 5-	surface //5 cents // to surface //cents as need TOC to tie in 11" 5000# x 7- 1/2" x 2-7/8"	ded. nto 9-5/8" -1/16" 500 flgd flw	csg as ne	eded.
gnead 1. 7. 900 grogram 900 grogram 900 grogram 50 grogram	13-3, 5 mgs and liners 9-5/8 -1/4" hole 9-5/8 * Drift al 5 mg = 5-1/2 5 -1/2 5 -	B" 36# K B" 36# S 11 casin 2" 20# L- 2" 17# L- 2" 17# L- 2" 17# L- 2" 20# 2 x 13-5/8 0-2" Ada ud mud BW Clear Fw	-55 STC 8rd -80 STC 8rd g to allow an -80 LTC 8rd -80 LTC 8rd -55 LTC 8rd -80 LTC 8rd	f/0-3000 f/3000-4 n 8-3/4" f/0-1800 f/1800-4 f/1800-1 f/10,500 3-5/8" 30 cplg 13 12,000	' (3000') 400' (140 bft ' (1800') 400' (2600 000' (3600 0,500' (25 -14,100' (0000# x 11" -3/8" x 9-1 0-14,100'	Cmtd to s FS, FC w '0') cmtd FS, FC w ') ') Bring 00') 3,600') 5000# 5/8" x 5- Polymer	surface //5 cents // to surface // cents as need // cents as n	ded. nto 9-5/8" -1/16" 500 flgd flw 3% KCl sa	csg as ne	eded.
174 ective cas 12- uction cas 8-3 ghead 1. 7. 50 440 890 ng program	13-3, 5 mgs and liners 9-5/8 -1/4" hole 9-5/8 * Drift al 5 mg 3- 5-1/2 5-1	B" 36# K B" 36# S 11 casin 2" 20# L- 2" 17# L- 2" 17# L- 2" 17# L- 2" 20# 2 x 13-5/8 0-2" Ada Ud mud BW Clear FW pac/XC P	-55 STC 8rd -80 STC 8rd g to allow an -80 LTC 8rd f -80 LT	f/0-3000 f/3000-4 n 8-3/4" f/0-1800 f/1800-4 f/1800-1 f/10,500 3-5/8" 30 cplg 13 12,000	' (3000') 400' (140 bft ' (1800') 400' (2600 000' (3600 0,500' (25 -14,100' (000# x 11" -3/8" x 9-1 0-14,100'	Cmtd to s FS, FC w '0') cmtd FS, FC w ') ') Bring 00') 3,600') 5000# 5/8" x 5- Polymer d 15 WL (surface //5 cents / to surface //cents as need //cents as need TOC to tie in 11" 5000# x 7- 1/2" x 2-7/8" mud w/10 WL & Low solids mud	ded. nto 9-5/8" -1/16" 500 flgd flw 3% KCl sa	csg as ne	eded.
174 tective cas 12- uction cas 8-3	13-3, -1/4" hole -1/4" hole 9-5/8 * Drift al -1/4" hole 9-5/8 * Drift al -1/2	B" 36# K B" 36# S 11 casin 2" 20# L- 2" 17# L- 2" 17# L- 2" 17# L- 2" 20# 2 x 13-5/8 0-2" Ada ud mud BW Clear FW pac/XC P nic	-55 STC 8rd -80 STC 8rd g to allow an -80 LTC 8rd -80 LTC 8rd -55 LTC 8rd -80 LTC 8rd	f/0-3000 f/3000-4 n 8-3/4" f/0-1800-4 f/1800-4 f/4400-8 f/8000-1 f/10,500 f/10,500 3-5/8" 3 cp1g 13 12,000 0.0ppg w, 14,100 14,100	' (3000') 400' (140 bft ' (1800') 400' (2600 000' (3600 0,500' (25 -14,100' (000# x 11" -3/8" x 9-1 0-14,100' (vfs 32 and and fi and fi	Cmtd to s FS, FC w '0') cmtd FS, FC w ') ') Bring 00') 3,600') 5000# 5/8" x 5- Polymer	surface //5 cents / to surface //cents as need //cents as need //cent	ded. nto 9-5/8" -1/16" 500 flgd flw 3% KCl sa	csg as ne	eded.

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Coring program Possible 4" whole core in Wolfcamp

Drill stem lests Two (2) DST's in Wolfcamp f/9800' to 10,000' One (1) DST in Devonian f/13,650' to 13,700'

Samples 10' samples f/4400' to PTD 14,100' And FI 500' to 4400'

Fund samples Two (2) quarts of all fluids recovered on DST to be analyzed locally. * H2S detection equipment will be installed prior to drilling into the Wolfcamp formation at 8950' and left operational to PTD 14,100'.

Mud logging One Man Mudlogging Unit on location f/4400' to 8950' Two Man Mudlogging Unit on location f/8950' to PTD 14,100'.

Evaluation Drill well to PTD 14, 100' with DST's @ selected intervals as mentioned above. Run OH logs and evaluate. Run 5-1/2" production casing and cement. MIRU PU. Perf Devonian w/±30 shots w/csg gun. Acdz w/3000 gals 15% NEFE HCL acid. Swab test for productivity. Complete as a single flowing oilwell.

Completion

2-7/8" 6.5# L-80 EUE 8rd tbg.

Lok-set type pkr w/on/off tool w/1.78" 'R' profile nipple

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