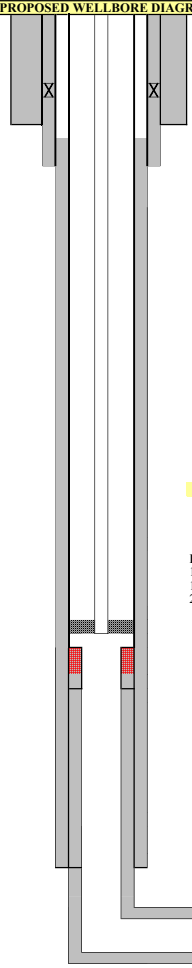
Yellowjack UL Unit 19-3 14H

Anadarko Petroleum Corporation

API #	4230133110									**Date Revised**	4/19/2017
AFE#	2104225.CMP	**County/State**	Loving, TX	**GL**	2,770'	**WI**	75.0000%	**LAT** NAD 27	31.720000	**Author**	Riha
WINS#	H9729	**Field**	Phantom	**KB**	2,797'	**NRI**	56.25%	**LONG** NAD 27	-103.415400	**SPUD**	3/2/2017
										TD Date	3/20/2017

PROPOSED WELLBORE DIAGRAM (POST FRAC)



1,215' DV Tool (SET Depth)

N/A 13-3/8" 54.50# J-55 BTC Surface (Set Depth)

5,072' 9-5/8" 40.0# J-55 BTC Intermediate (Set Depth)

10,789' Superior Retrievable Packer - 2-7/8" 6.5# L-80 EUE 8rd Tbg 1.2º INC; 10,173' TVD

KOP
10,835' MD
10,724' TVD
2.0 INC

10,723' **TOP of 7" x 4-1/2" Liner Top** 10,198' TVD; 1.0º INC

10,744' **Liner Element Top (MD)**

CASING & TUBING DATA

TYPE	SIZE	WEIGHT	GRADE	CONNECTION	BURST	COLLAPSE	ID	DRIFT ID	CAPACITY
Surface	9-5/8"	40.00 ppf	J-55	BTC	3,950 psi	2,570 psi	8.835"	8.679"	0.0758 bbl/ft
Production (Top)	7.000"	29.00 ppf	HCP-110	BTC	11,220 psi	8,510 psi	6.184"	6.059"	0.0371 bbl/ft
Production (Bottom)	4.500"	13.50 ppf	HCP-110	CDC HTQ Liner	12,410 psi	10,680 psi	3.920"	3.795"	0.0149 bbl/ft
Tubing	2.875"	6.50 ppf	L-80	EUE 8 rd	10,570 psi	11,170 psi	2.441"	2.347"	0.0058 bbl/ft

LATERAL DETAIL

KOP	HEEL	PBTD	VERT. SEC
10,835'	11,932'	17,351'	5,419'

DRL/ CMP FLUID DETAIL

Surface MW @ TD	10.3 ppg
Intermediate MW @ TD	9.5 ppg
Production MW @ TD	13.7 ppg
Initial CMP Fluid	9.5 PPG Cut Brine

CEMENTING DETAIL

CASING	VOLUME	EST. TOC
Surface	1,612 sks	Surface
Intermediate	766 sks	
Production	560 sks	

STIMULATION PERFORATION DETAIL (PROPOSED)

Peforation Depths (Propsed)

Alpha Opened?				STG 7	16099	16100	4 Shots		14673	14674	4 Shots		13247	13248	4 Shots				
					16066	16067	4 Shots		14640	14641	4 Shots		13214	13215	4 Shots				
					16033	16034	4 Shots	STG	14607	14608	4 Shots	STG	13182	13183	4 Shots				
					16001	16002	4 Shots	14	14575	14576	4 Shots	21	13149	13150	4 Shots				
					15968	15969	4 Shots		14542	14543	4 Shots		13116	13117	4 Shots				
					15935	15936	4 Shots		14509	14510	4 Shots		13083	13084	4 Shots				
	17321	17322	4 Shots		15895	15896	4 Shots		14469	14470	4 Shots		13043	13044	4 Shots				
	17288	17289	4 Shots		15862	15863	4 Shots		14436	14437	4 Shots		13011	13012	4 Shots				
STG 1	17256	17257	4 Shots	STG 8	15830	15831	4 Shots	STG	14404	14405	4 Shots	STG	12978	12979	4 Shots				
	17223	17224	4 Shots		15797	15798	4 Shots	15	14371	14372	4 Shots	22	12945	12946	4 Shots				
	17190	17191	4 Shots		15764	15765	4 Shots		14338	14339	4 Shots		12912	12913	4 Shots				
	17157	17158	4 Shots		15731	15732	4 Shots		14306	14307	4 Shots		12880	12881	4 Shots				
	17117	17118	4 Shots		15691	15692	4 Shots		14266	14267	4 Shots		12840	12841	4 Shots				
	17085	17086	4 Shots		15659	15660	4 Shots		14233	14234	4 Shots		12807	12808	4 Shots				
STG 2	17052	17053	4 Shots	STG 9	15626	15627	4 Shots	STG	14200	14201	4 Shots	STG	12774	12775	4 Shots				
	17019	17020	4 Shots		15593	15594	4 Shots	16	14167	14168	4 Shots	23	12741	12742	4 Shots				
	16986	16987	4 Shots		15560	15561	4 Shots		14135	14136	4 Shots		12709	12710	4 Shots				
	16954	16955	4 Shots		15528	15529	4 Shots		14102	14103	4 Shots		12676	12677	4 Shots				
	16914	16915	4 Shots		15488	15489	4 Shots		14062	14063	4 Shots		12636	12637	4 Shots				
	16881	16882	4 Shots		15455	15456	4 Shots		14029	14030	4 Shots		12603	12604	4 Shots				
STG 3	16848	16849	4 Shots	STG	15422	15423	4 Shots	STG	13996	13997	4 Shots	STG	12570	12571	4 Shots				
	16815	16816	4 Shots	10	15389	15390	4 Shots	17	13964	13965	4 Shots	24	12538	12539	4 Shots				
	16783	16784	4 Shots		15357	15358	4 Shots		13931	13932	4 Shots		12505	12506	4 Shots				
	16750	16751	4 Shots		15324	15325	4 Shots		13898	13899	4 Shots		12472	12473	4 Shots				
	16710	16711	4 Shots		15284	15285	4 Shots		13858	13859	4 Shots		12432	12433	4 Shots				
	16677	16678	4 Shots		15251	15252	4 Shots		13825	13826	4 Shots		12399	12400	4 Shots				
STG 4	16644	16645	4 Shots	STG	15219	15220	4 Shots	STG	13793	13794	4 Shots	STG	12367	12368	4 Shots				
	16616	16617	4 Shots	11	15186	15187	4 Shots	18	13760	13761	4 Shots	25	12334	12335	4 Shots				
	16579	16580	4 Shots		15153	15154	4 Shots		13727	13728	4 Shots		12301	12302	4 Shots				
	16546	16547	4 Shots		15120	15121	4 Shots		13694	13695	4 Shots		12269	12270	4 Shots				
	16506	16507	4 Shots		15080	15081	4 Shots		13654	13655	4 Shots		12229	12230	4 Shots				
	16473	16474	4 Shots		15048	15049	4 Shots		13622	13623	4 Shots		12196	12197	4 Shots				
STG 5	16441	16442	4 Shots	STG	15015	15016	4 Shots	STG	13589	13590	4 Shots	STG	12163	12164	4 Shots				
	16408	16409	4 Shots	12	14982	14983	4 Shots	19	13556	13557	4 Shots	26	12130	12131	4 Shots				
	16375	16376	4 Shots		14949	14950	4 Shots		13523	13524	4 Shots		12098	12099	4 Shots				
	16343	16344	4 Shots		14917	14918	4 Shots		13491	13492	4 Shots		12065	12066	4 Shots				
	16303	16304	4 Shots		14877	14878	4 Shots		13451	13452	4 Shots		12025	12026	4 Shots				
	16270	16271	4 Shots		14844	14845	4 Shots		13418	13419	4 Shots		11992	11993	4 Shots				
STG 6	16237	16238	4 Shots	STG	14811	14812	4 Shots	STG	13385	13386	4 Shots	STG	11959	11960	4 Shots				
	16204	16205	4 Shots	13	14778	14779	4 Shots	20	13352	13353	4 Shots	27	11927	11928	4 Shots				
	16172	16173	4 Shots		14746	14747	4 Shots		13320	13321	4 Shots		11894	11895	4 Shots				
	16139	16140	4 Shots		14713	14714	4 Shots		13287	13288	4 Shots		11861	11862	4 Shots				

Intermediate Casing
7" 29.0# HCP-110 BTC Casing
11,650' MD (SET Depth)
11,398' TVD
70° INC

Enter Wolfcamp Shale TARGET INTERVAL
11,861' MD
11,450' TVD
81° INC

Well Heel (85.0 deg INC)
11,932' MD
11,461' TVD
85.0 INC

PBTD - Baker Alpha Toe Sleeve
17,351' MD Top
17,355' MD Btm

TD
18,879' MD
11,500' TVD

HEEL HARDLINE
10,894' MD
10,880' TVD
8° INC

Proposed Top Perf
11,861' MD
11,450' TVD
81 INC

Marker Joint #2
12,471' MD Top
12,492' MD Btm

Marker Joint #1
16,354' MD Top
16,375' MD Btm

TOE HARDLINE
18,757' MD

Float Shoe SET Depth
4-1/2" 13.5# CDC HTQ Liner
Production Casing
17,490' MD
11,522' TVD

BHT: 165 °F

NOTES/ WELL HISTORY

Heel Hardline: *10,894'*
Toe Hardline: *18,757'*

Casing Running & Cementing Details:
Intermediate 1:
STG 1: BUMPED PLUG 500 OVER. BLED BACK 2 BBLS, FLOATS HOLD.FULL RETURNS THROUGHOUT JOB. OPEN DV TOOL.
STG 2: BUMPED PLUG 1500, BLED BACK 1 BBLS, FLOATS HOLDING.FULL RETURNS THROUGHOUT JOB.165 BBLS OF CMT BACK AT SURFACE.
Intermediate 2:
BUMPED PLUG W/ 1700 PSI , HELD 5 - MINS BLED BACK 2.0 BBLS (FLOATS HOLDING)-GOOD RETURNS DURING JOB - WELL STILL FLOWING AFTER SHUTTING DOWN PUMPING) SHUT IN PSI @ 100 PSI. TEST 7" CASING TO 1500 PSI (OK)
Production:
PLUG BUMPED F/2860 PSI UP TO 3860 PSI,CHECK FLOATS , BLED BACK 3 1/2 BBLS (FLOATS HOLDING) GOOD RETURNS WHILE PUMPING. PERFORM NEGATIVE TEST ON PACKER.OK.

PROPOSED PRODUCTION TBG SPACEOUT

Downhole Equipment	Length	Set Depth
KB ADDED: 30.00'		
TBG HANGAR		
# JT 2.875" 6.5# EU L-80 TBG.		
# EA 2 7/8" x 6' - 6.5# EU L-80 SUB		
# JTS 2.875" 6.5# EU L-80 TBG.		
WFT Gas Lift Valve #12		2,166
# JTS 2.875" 6.5# EU L-80 TBG.		
WFT Gas Lift Valve #11		4,033
# JTS 2.875" 6.5# EU L-80 TBG.		
WFT Gas Lift Valve #10		5,344
# JTS 2.875" 6.5# EU L-80 TBG.		
WFT Gas Lift Valve #9		5,939
# JTS 2.875" 6.5# EU L-80 TBG.		
WFT Gas Lift Valve #8		6,795
# JTS 2.875" 6.5# EU L-80 TBG.		
WFT Gas Lift Valve #7		7,390
# JTS 2.875" 6.5# EU L-80 TBG.		
WFT Gas Lift Valve #6		7,950

SPACEOUT CONT'D

Downhole Equipment	Length	Set Depth
# JTS 2.875" 6.5# EU L-80 TBG.		
WFT Gas Lift Valve #5		8,510
# JTS 2.875" 6.5# EU L-80 TBG.		
WFT Gas Lift Valve #4		9,066
# JTS 2.875" 6.5# EU L-80 TBG.		
WFT Gas Lift Valve #3		9,620
# JTS 2.875" 6.5# EU L-80 TBG.		
WFT Gas Lift Valve #2		10,177
# JTS 2.875" 6.5# EU L-80 TBG.		
WFT Gas Lift Valve #1		10,671
# JTS 2.875" 6.5# EU L-80 TBG.		
1 EA 2 7/8" 2.31 X - PROFILE NIPPLE		10,770
1 EA 2 7/8" x 6' - 6.5# EU L-80 SUB		
1 EA 2 7/8" ON-OFF TOOL W/ 2.31 X -PROFILE		10,782
1 EA 7" Superior		10,789
1 EA 2 7/8" x 6' - 6.5# SUB		10,799
1 EA 2 7/8" 2.31 X - PROFILE NIPPLE		10,800
1 EA 2 7/8" x 4' 6.5# EU L-80 SUB		10,804
1 EA 2 7/8" MAGNUM DUAL DISC SUB		10,806
1 EA 2 7/8" Perforated Sub		10,811
1 EA 2 7/8" EU WLEG		10,812
EOT		10,812