



WELL NAME: University "B" 1-20 #1				FIELD: Andrews, South				LSE#: 045797					
STATE: Texas		COUNTY: Andrews				LOCATION: 1650' FSL & 1700' FWL, Sec 20, Blk 1, Univ Lds Svy.							
API NO: 42-003-42591		SPUD DATE: 4/20/2011				FORMATION: Wolfcamp / Penn							
TD: 11320'		PBTD: 11203'				ELEVATION: 3,137' GL (+19' KB) 3,156' KB							
PIPE RECORD								CEMENT & HOLE DATA					
CSG	OD	GRADE	THD	WT/FT	TOP	BTM	# JTS	BIT SIZE	DEPTH	SX	WT.	TOC	
Surf	13.375"	H-40 ST&C	8rd	48.0#	0'	296'	7	17.500"	310'	340	14.8 ppg	Surf	
Intermed	8.625"	J-55	8rd	32.0#	0'	1658'	40	11.000"	5870'	775	14.8 ppg	Surf	
					1658'	5866'	98			2400	14.8 ppg	DV Tool	
Prod	5.500"	N-80	8rd	17.0#	0'	7007'	165	7.875"	11320'	700	15.6 ppg	2920' CBL	
Liner	4.000"	N-80&P-110			7007'	11312'	81			1100	14.4 ppg	DV Tool	
		J-55, LS-3		11.34#	7339'	8382'	24						
Tbg	2.875"	L-80	8rd	6.5#	0'	9003'	275						
Remarks:													
4/20/11: Drill & Complete Leonard / Wichita / Wolfcamp / Penn / Bend / Devonian oil well.													
5/1/11: Ran 8-5/8" csg.													
6/1/11: Ran 5-1/2" csg.													
6/23/11: Ran CBL. Perf: Devn: 11,070'-11,084', brk dwn perfs w/ 2300#.													
6/30/11: Frac Devonian Perfs w/ 2500 gal 15% HCl, 83,874 gal 25# x-linked gel & 88,743# 20/40 EconoProp. Flushed w/ 10,752 gal linear gel.													
7/26/11: Clean out to PBTD 11,203' & lower pump													
8/24/11: Pulled tbg & rods in prep to re-complete.													
8/25/11: CBP set @ 9320', wouldn't test, re-set @ 9280'													
8/26/11: Perf: Penn/Wolfcamp: 8476'-8938', Acid Frac in 3 stages w/ 14,884 gal 15% NeFe													
DXBX acid & 138 balls.													
9/2/11: Put on pump to test Wolfcamp-Penn perfs.													
11/16/11: Set CIBP @ 8450'													
Perf: L. Leonard: 8134'-8142' & 8282'-8290', Frac w/ 130,000 gal Ambormax gel													
& 182,500# 20/40 brown sand													
Perf: Mdl. Leonard: 7706'-7716'. Frac w/ 73,000 gal Ambormax gel & 92,500#													
20/40 brown sand													
Perf: Up. Leonard: 7470'-7484', Frac w/ 55,000 gal Ambormax gel & 68,750#													
20/40 brown sand													
11/22/11: Set CIBP @ 7513' to isolate water flow, Set Cmt Ret. @ 7375' to squeeze													
Up. Leonard Perfs													
11/23/11: Sqz'd Up Leonard Perfs: 7470'-7484' w/ 200 sx. to stop water influx.													
11/28/11: DO Cmt Ret. @ 7375'													
12/6/11: Set CR @ 7770' to Sqz Stage 2 Mdl. Leonard Perfs: 7706'-7716'													
Sqz'd w/ 200 sx.													
12/21/11: Set CR @ 7980', Sqzd Lwr. Lnrd perfs: 8134'-42' & 8282'-90' w/ 300 sx.													
Drill out CR													
12/30/11: Polymer Sqz'd Mdl Lnrd Perfs: 7706'-7716'													
3/13/12: DO CIBP @ 8450' & CBP @ 9280', Set CBP @ 8450'													
3/21/12: RIH w/ 5-1/2" Kline Scab Liner Pkr w/ 4" 11.34# J-55 LS-3 FJ liner from													
7339'-8382' w/ reduced ID. Pkr ID 3.38"													
Tubing Detail: As of: 3/28/12: KB= 19' 214 jts 2-7/8" 6.5# L-80 Tbg. 2-7/8" x 5-1/2" TAC @ 7062' 1 jt. 6.5# L-80 Tbg 2-7/8" x 2-3/8" cross-over. 123 jts 2-3/8" 4.7# L-80 Tbg. 2-3/8" Seat Nipple @ 11,131' 4' x 2-3/8" Perf Sub 32' x 2-3/8" BPMA EOT @ 11,167'				SRC WI%:				PERFORATION RECORD					
				LOGS:				DATE	TOP	BTM	ZONE	STATUS	SPF
				LANDMAN:				6/23/2011	11070'	11084'	Devonian	Inactive	3
								8/26/2011	8934'	8938'	Penn	Open	3
								8/26/2011	8870'	8878'	Penn	Open	3
								8/26/2011	8852'	8856'	Penn	Open	3
								8/26/2011	8782'	8784'	Penn	Open	3
								8/26/2011	8761'	8763'	Penn	Open	3
								8/26/2011	8708'	8712'	Penn	Open	3
								8/26/2011	8534'	8540'	Wolfcamp	Open	3
								8/26/2011	8516'	8528'	Wolfcamp	Open	3
								8/26/2011	8507'	8509'	Wolfcamp	Open	3
								8/26/2011	8476'	8482'	Wolfcamp	Open	3
								11/16/2011	8282'	8290'	Lwr.Leonard	Sqzd	3
								11/16/2011	8134'	8142'	Lwr.Leonard	Sqzd	3
								11/17/2011	7706'	7716'	Mdl.Leonard	Sqzd	3
								11/17/2011	7470'	7484'	Up.Leonard	Sqzd	3
								GEOLOGIST:					
								TUBULAR GOODS PERFORMANCE					
								ID (in)	Drift (in)	Collapse* (psi)	Burst* (psi)	Tensile* (lbs)	
				Material									
				13.375" H-40 ST&C 8rd 48#									
				8.625" J-55 8rd 32#									
				2.875" L-80 8rd 6.5#									
								* Safety Factor Not Included					

PREPARED BY: Curtis Flanagan

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