

Eng/Ops Director: _____ Signature _____ Date _____

 Print Name

Yellow Jacket E-7

PLUGBACK DEEPER PROCEDURE

Well Detail:

(See Attached Well Schematic)

Well Name:	Yellow Jacket E-7
API:	05-083-06624
Location:	Montezuma County, Colorado
Legal:	Section: 2; Township: 37N; Range: 18W
Surface:	1103' FNL & 330' FWL
Formation:	Leadville
Lithology:	Carbonate
Perforations:	Openhole from 8,159' to 8,195' PBTB
Reservoir Temperature:	160 °F
Estimated BHP:	1,800 PSI

Casing Profile:

Top Depth (ft)	Bottom Depth (ft)	Size (in)	Weight (lb/ft)	Grade	Hole Size (in)	TOC
0	80'	14"				Surface
0	2,864'	9-5/8"	36	K-55	12-1/4	Surface
0	6003'	7"	29	13 CR	8-3/4	CBL 1,310'
6003'	7,846'	7"	32	13 CR	8-3/4	1,310'
7,846'	8,159'	7"	29	13 CR	8-3/4	1,310'

Proposed Tubing Profile:

Item	Length (ft)	Top (ft-KB)	Btm (ft-KB)
KB		0'	20.3'
264 Joints 2-7/8" 6.5# L-80 Lined 8rd EUE Tubing.	8,055'	20'	8,075'
On/off tool with profile nipple	1'	8,075'	8,076'
4' pup joint 2-7/8" 6.5# L-80 Lined tubing	4'	8,076'	8,080'
2-7/8" by 7" lined Lokset packer	2'	8,080'	8,082'
6' pup joint 2-7/8" 6.5# Liner 8rd EUE	6'	8,082'	8,088'
Wireline Re-entry guide.	0.5'	8,088'	8,088.5'

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Pre-Job Checklist:

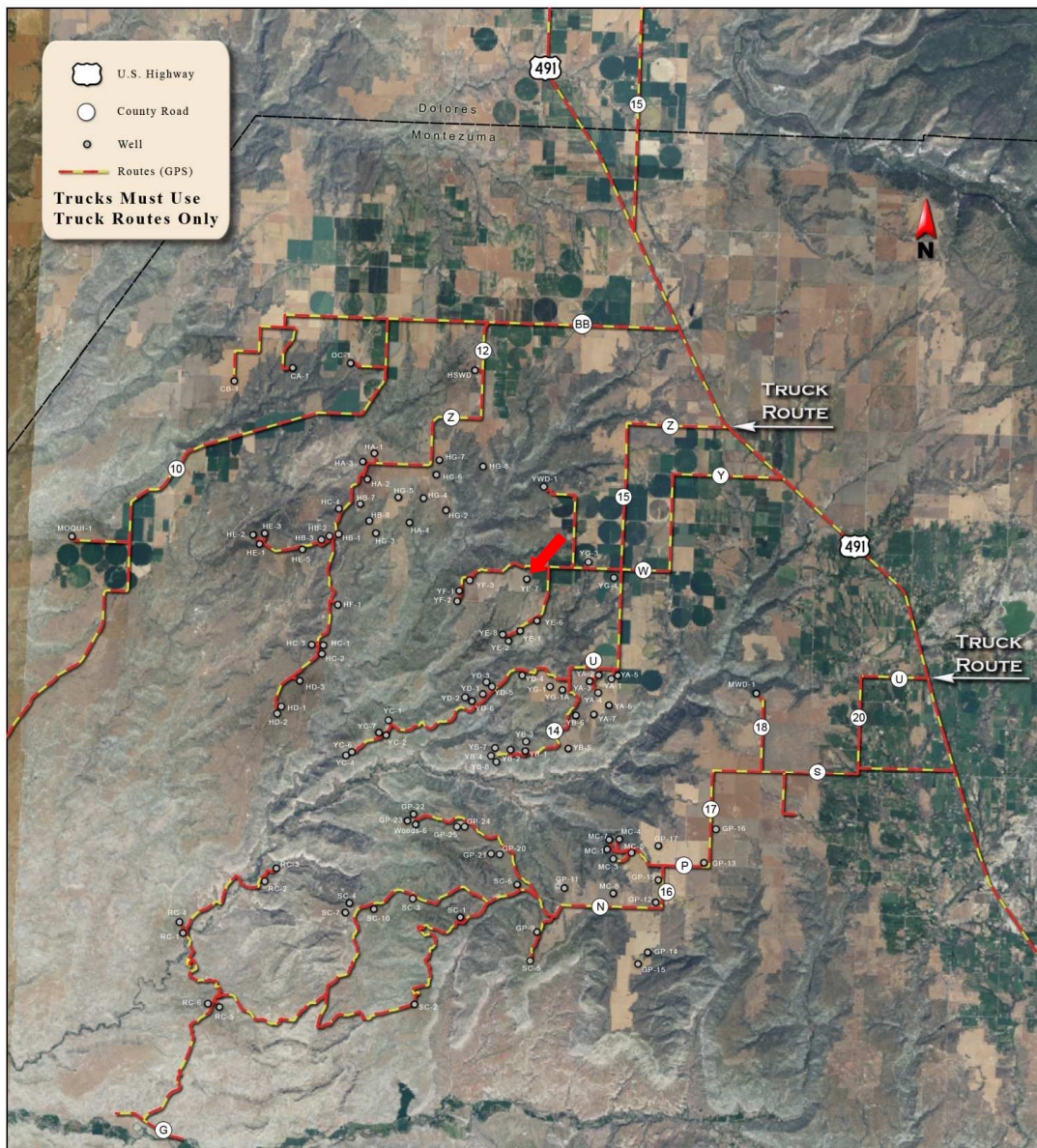
- Notify Production Engineer and Production Operations to discuss the procedure before moving on well.
- Inspect road and location and repair as necessary
- Record all casing and tubing pressures on daily morning report.

Plugback Deeper Procedure:

1. MIRU Workover Rig. Spot pump and tanks. Check well head pressures. Load well with FSW. RU and run retrievable bridge plug. Bleed off pressure. ND tree, NU and test BOP's to 3,000 PSI. Pull retrievable bridge plug. PU 5-7/8" drill collars on 2-7/8" work string and GIH and tag and clean out to PBTD @ approximately 8,185'. Circulate clean with FSW.
2. MIRU Wireline Unit. NU & test lubricator to 3,000 PSI. GIH and run a GR/CCL log to determine current depth of PBTD. Correlate to EL, which is Halliburton Spectral Density Dual Spaced Neutron Dated 2/3/2006. Report depth of PBTD. RDMO Wireline Unit.
3. Drill out open hole to a depth of approximately 8,232' EL. Accurate PBTD depth is critical, if any doubt rerun GR strip log to determine new PBTD. Circulate hole clean and strap out of hole.
4. PU 140' of 4-1/2" 13.5 #, J-55 liner with buttress connections with float shoe, 1 joint and float collar with liner hanger packer on top. GIH strapping and set liner on new PBTD of 8,232'. Any concern rerun GR correlation log to check depth. Batch mix cement and cement liner approximately 1/2' above bottom @ 8,232' (approximate cement volume needed is 30 sacks using 100 % excess), and set liner hanger packer. Release from hanger and circulate out excess cement. POOH. GIH with 6" bit and drill collars and dress off to top of liner @ approximately 8,090'. Circulate clean and POOH. GIH with 3-3/4" cement mill and dress off cement inside of liner to a depth of 8,230' (this is approximately 2' above shoe) do not drill out shoe. Circulate clean and POOH, LD work string.
5. RU Wireline Unit. NU & test lubricator to 3,000 PSI. GIH with GR/ CCL log and log from PBTD to liner top. Correlate on depth and GIH with 2-3/4" scalloped expendable perforating guns and perforate from 8,200' to 8,220' EL (Halliburton Spectral Density Dual Spaced Neutron Dated 2/3/2006) with 6 JSPF, 60 degree phasing utilizing 15 gram deep penetrating charges (approximate 0.35" EHD w/ 29" penetration). POOH RD Wireline Unit.
6. Pick up production assembly to consist of from bottom up, wireline re-entry guide, 6' 2-7/8" 6.5# lined pup, 2-7/8" by 7" lined Lokset packer, 4' 2-7/8" 6.5# lined pup joint, on/off tool and 2-7/8" 6.5# lined tubing. Circulate packer fluid and set packer with 5,000 lbs up pull @ approximately 8,080'. Set back pressure valve and ND BOPs and NU and test tree. Pull back pressure valve.
7. RU and swab well in with rig sand line and flow to gas @ surface, if needed. (Depending on well performance a small skin reduction acid job may be required @ this time, but is not anticipated to be required. If needed job would consist of a matrix acid job of 2,000 gallons (100 gallons per foot) 15% HCL pumped @ 2 BPM or less.) Shut well in and RDMO Workover Rig. Turn well over to production.
8. Once well is producing test well daily and report tests to Houston.

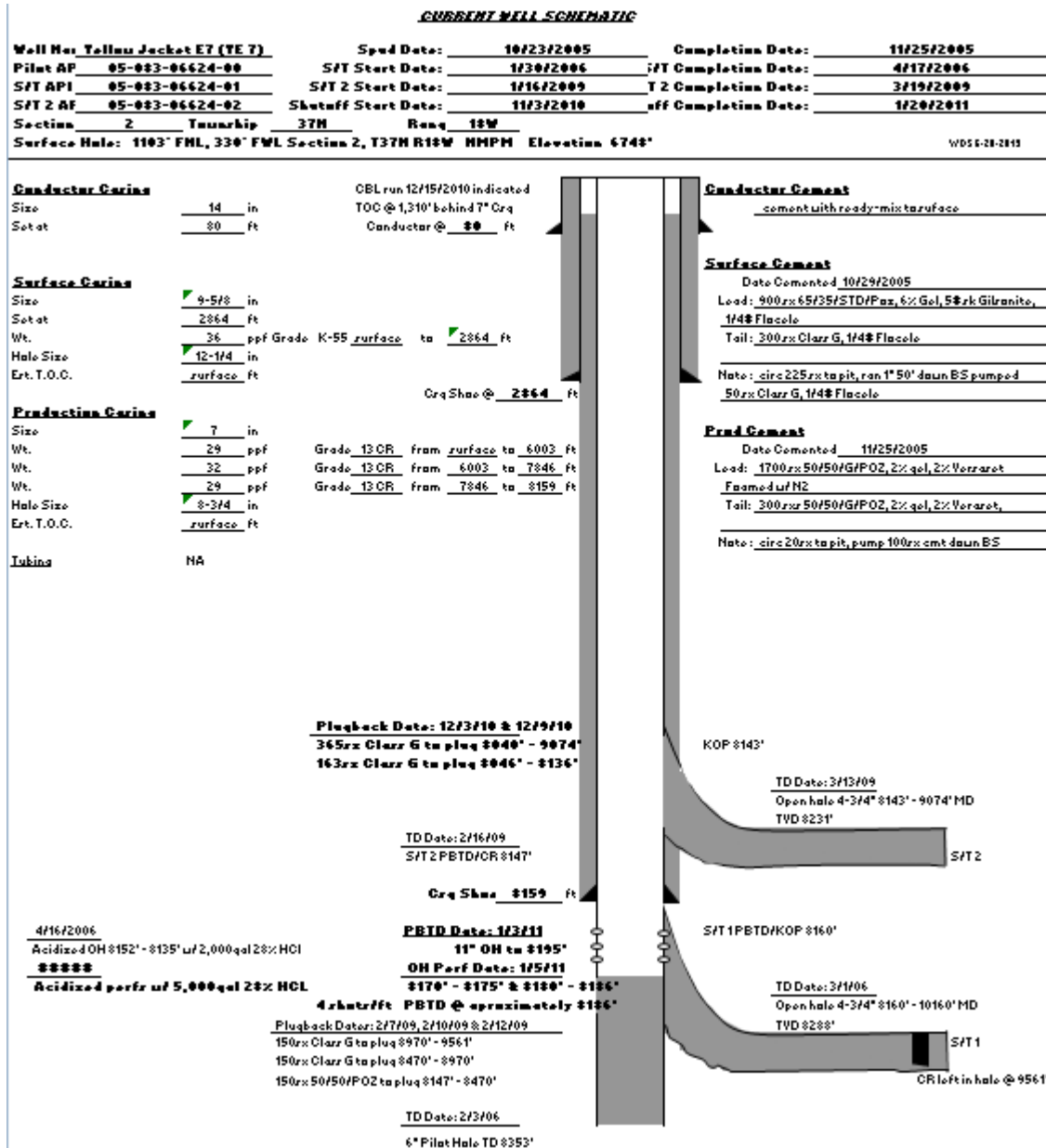
Yellow Jacket E-7 PLUGBACK DEEPER PROCEDURE

Figure 1
Location Map



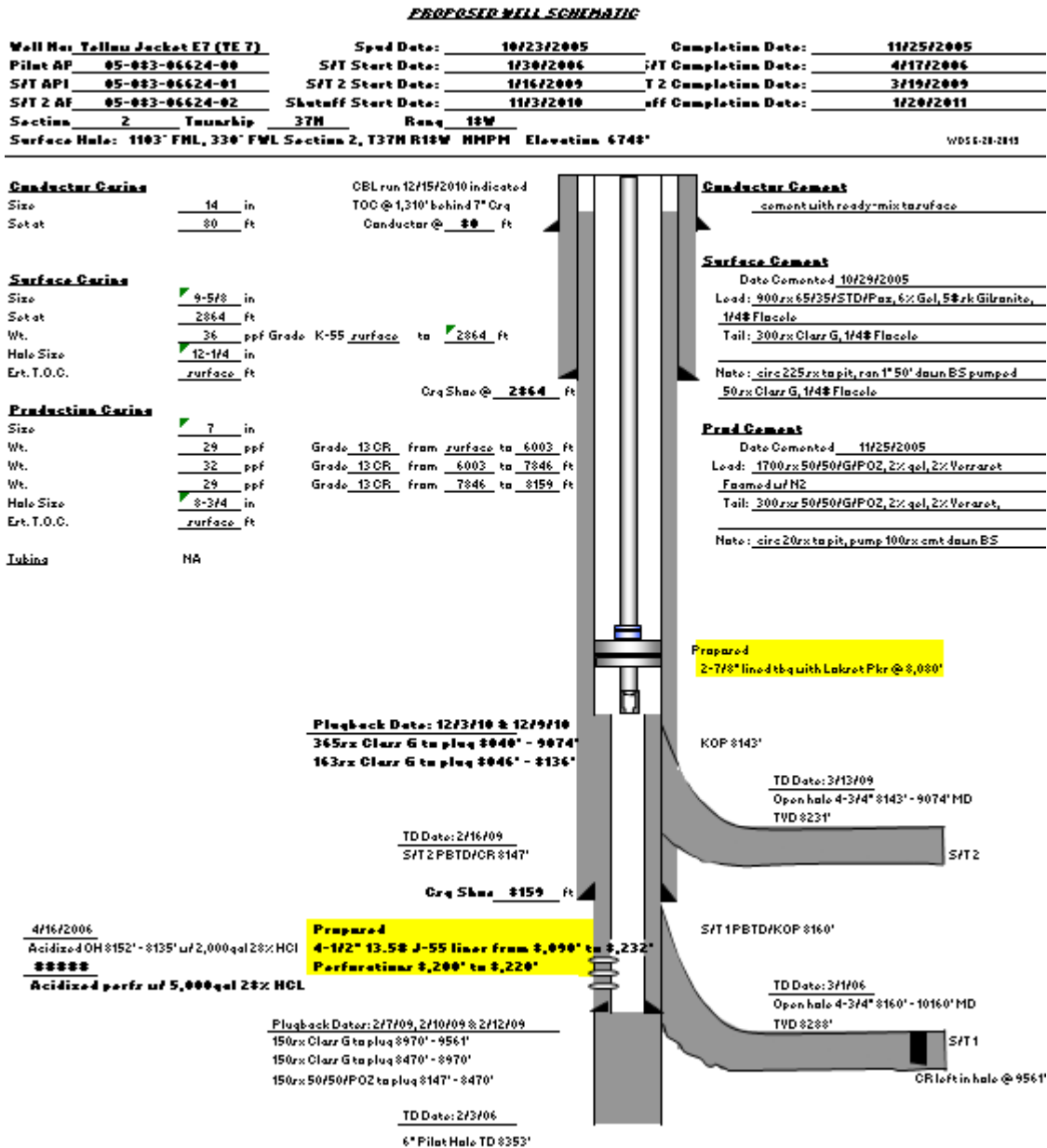
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Figure 2
Current Well Schematic



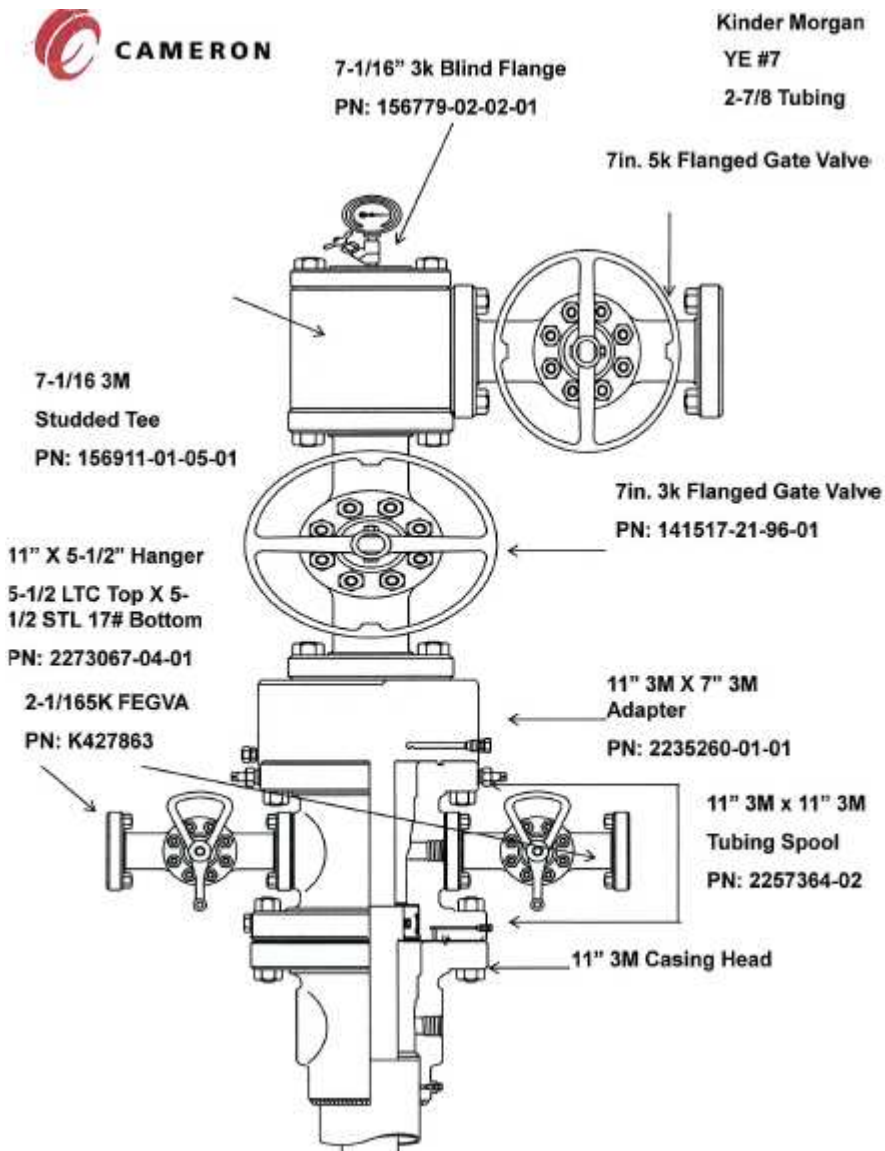
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Figure 3
Proposed Wellhead Schematic



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Figure 4
Tree Diagram



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Figure 5

Log Section: Halliburton Spectral Density Dual Spaced Neutron Dated 2/3/2006

