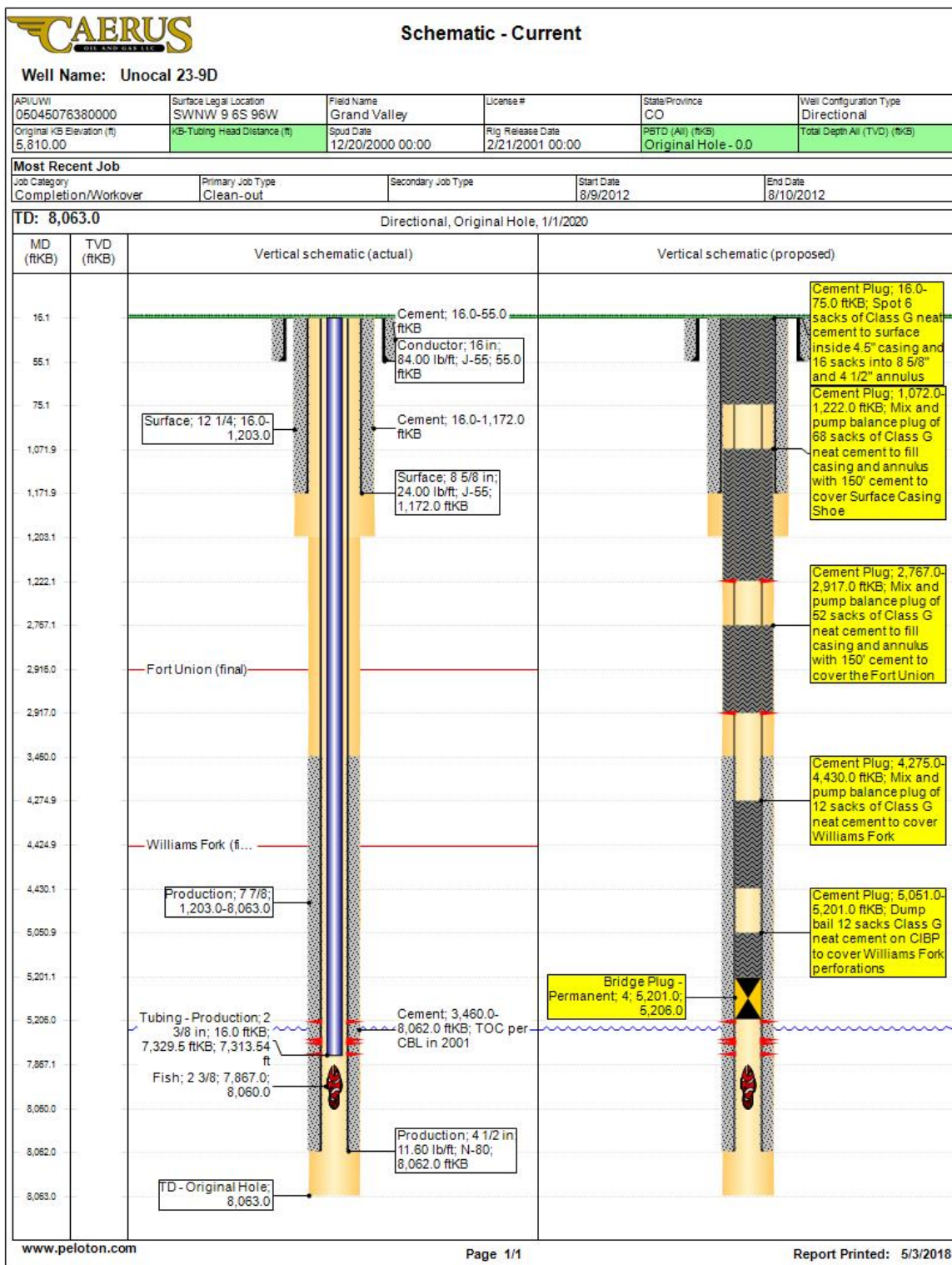



## Appendix B



## Appendix C



### Downhole Well Profile

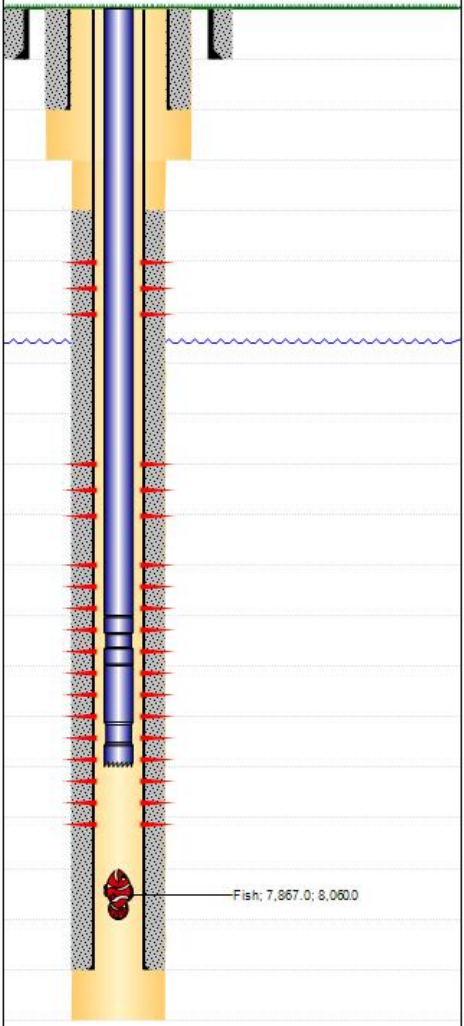
**Well Name:** Unocal 23-9D

API/UVI 05045076380000	Surface Legal Location SWNW 9 6S 96W	Field Name Grand Valley	License #	State/Province CO	Well Configuration Type Directional
Original KB Elevation (ft) 5,810.00	KB-Tubing Head Distance (ft)	Spud Date 12/20/2000 00:00	Rig Release Date 2/21/2001 00:00	PBTD (All) (ft/KB) Original Hole - 0.0	Total Depth All (TVD) (ft/KB)

Wellhead and Christmas Tree Systems					
Type	Make	Service	Working Pressure (psi)	Max Pres (psi)	Size (in)

Directional, Original Hole, 5/4/2018 12:25:18 PM

Vertical schematic (actual)



Fish; 7,867.0; 8,062.0

Casing Strings					
Csg Des	OD (in)	Wt/Ln (lb/ft)	Grade	Top Thread	Set Depth (ft/KB)
Conductor	16	84.00	J-55		55.0
Surface	8 5/8	24.00	J-55		1,172.0
Production	4 1/2	11.60	N-80		8,062.0

Perforations			
Date	Top (ft/KB)	Bot (ft/KB)	Linked Zone
1/1/2020	1,222.0	1,223.0	
1/1/2020	2,917.0	2,918.0	
6/13/2001	5,276.0	5,651.0	Mesaverde, Original Hole
6/5/2001	6,380.0	5,922.0	Mesaverde, Original Hole
5/29/2001	6,586.0	7,062.0	Mesaverde, Original Hole
5/18/2001	7,265.0	7,754.0	Mesaverde, Original Hole

Tubing Strings							
Tubing Description		Run Date	String Length (ft)	Set Depth (ft/KB)			
Tubing - Production		6/28/2001	7,505.98	7,522.0			
Item Des	Jts	Make	Model	OD (in)	Wt (lb/ft)	Grade	Len (ft)
Tubing			T&C Non-Upset	2 3/8	4.70	N-80	7,473.20
Nipple				2 3/8			0.83
Tubing			T&C Non-Upset	2 3/8	4.70	N-80	30.95
Sliding Sleeve				2 3/8			1.00
Tubing Description		Run Date	String Length (ft)	Set Depth (ft/KB)			
Tubing - Production		3/27/2012	7,313.54	7,329.5			
Item Des	Jts	Make	Model	OD (in)	Wt (lb/ft)	Grade	Len (ft)
Tubing	23 5		T&C Upset	2 3/8	4.70	J-55	7,312.24
F Nipple	1			2 3/8			0.87
Notched collar	1			2 3/8			0.43
Tubing Description		Run Date	String Length (ft)	Set Depth (ft/KB)			
Tubing - Production		8/9/2012	7,313.54	7,329.5			
Item Des	Jts	Make	Model	OD (in)	Wt (lb/ft)	Grade	Len (ft)
Tubing	23 5		T&C Upset	2 3/8	4.70	J-55	7,280.14
Nipple	1			2 3/8			0.87
Tubing	1		T&C Upset	2 3/8	4.70	J-55	32.10
Notched collar	1			2 3/8			0.43

Rod Strings							
Rod Description		Run Date	String Length (ft)	Set Depth (ft/KB)			
Item Des	Jts	Make	Model	OD (in)	Wt (lb/ft)	Grade	Len (ft)

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