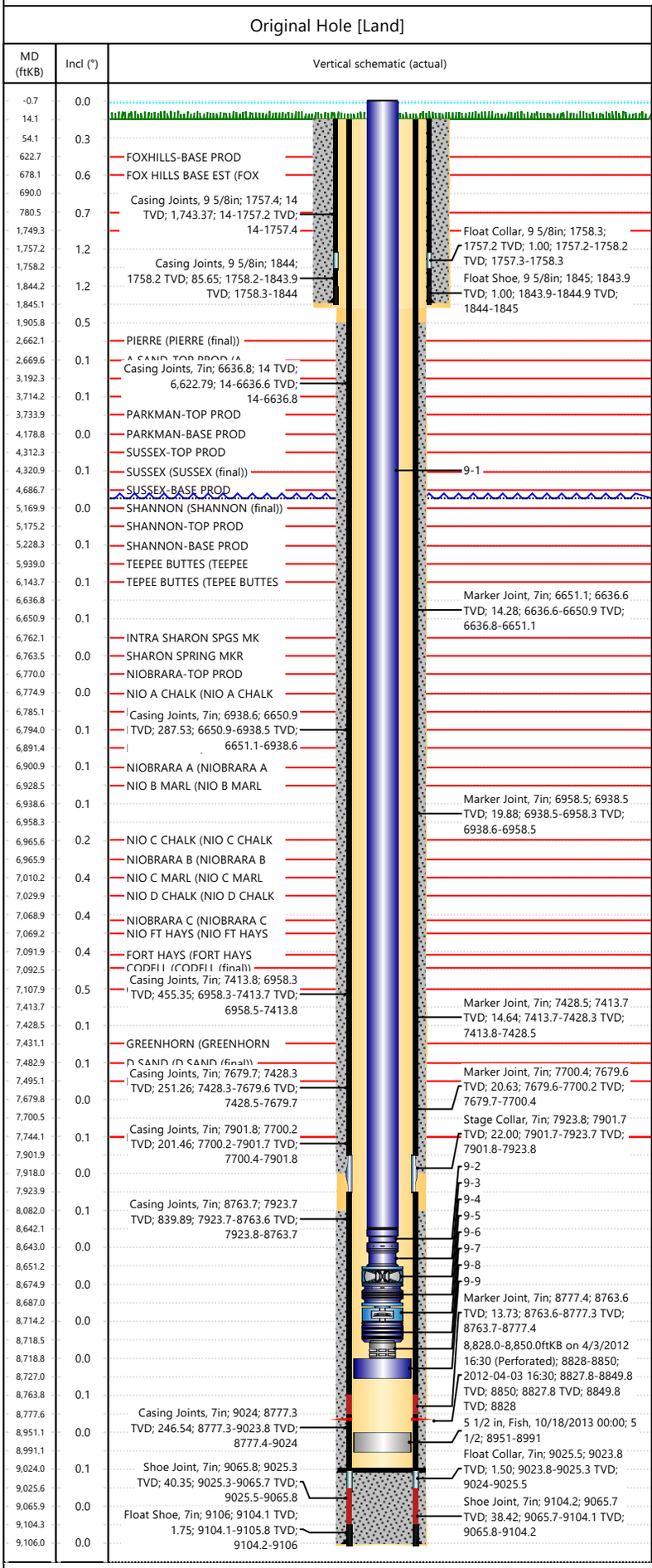
Wellbore Schematic Input Report

Well Name: MCKAY FEDERAL AB02-15



Well Header

Surface UWI	Asset Team	Production Tree Location
0512334185		Land

Original RKB Elevation (ft)	Original KB to Ground (ft)	Original Spud Date	Abandon Date
4,896.00	14.00	3/3/2012	

Range	Well Sub-Status	High Pressure
	PR	N

Directions To Well	Latitude (°)	Longitude (°)
WCR 88 & 59, South 2.0 miles, West 0.3 miles, North into location.	40.5966346310001	-104.514224368

Comment: DV TOOL @ +/- 7902'

Congressional Location

Quarter 3	Quarter 4	Section	Township	Township N/S Dir	Range	Range E/W Dir
SW	SE	2	7	N	64	W

Rig Operator

Rig/Unit Supervisor: BRANDON

Daily Cost Summary

Sum of Field Est (Cost): 0

Wellbore Plug Back Total Depths

Date	PBTD (ftKB)	Method	Com
3/13/2012	9,024	CASING TALLY	FLOAT COLLAR

Wellbore Sections

Section Des	Hole Size (in)	Top Depth (ftKB)	Btm Depth (ftKB)
SURFACE	13 1/2	14.0	1,855.0
PRODUCTION	8 3/4	1,855.0	9,129.0

Zone Statuses

Zone Name	Status Date	Status
LYONS	4/26/2012	PR
NIOBRARA	4/26/2012	PR
J SAND	4/26/2012	PR
CODELL	4/26/2012	PR

Casing Strings

Surface, Actual, 1845ftKB

Casing Description	Run Date	OD (in)	Wt/Len (lb/ft)	Grade	Top Depth (MD)	Set Depth (MD)
Surface	3/4/2012	9 5/8	36.00	J-55	14	1845

Production Casing, Actual, 9106ftKB

Casing Description	Run Date	OD (in)	Wt/Len (lb/ft)	Grade	Top Depth (MD)	Set Depth (MD)
Production Casing	3/14/2012	7	26.00	L-80	14	9106

Cement

Des	Start Date	Top (ftKB)	Btm (ftKB)
TOP OUT JOB	3/4/2012	14.0	54.0
Surface Casing Cement	3/4/2012	54.0	1,845.0
Production Casing Cement	3/14/2012	1,906.0	7,918.0
Production Casing Cement	3/14/2012	8,082.0	9,106.0

Proposed Cement

Des	Top (ftKB)	Btm (ftKB)

Tubing Strings

Tubing Description	Run Date	String Max	ID (in)	Wt (lb/ft)	Grade	Len (ft)	Set Depth
Tubing - Production	11/17/2023	2 7/8	2.441	6.50	L-80	8,727.49	8,726.7

Tubing Components

Item Des	OD (in)	Wt (lb/ft)	Grade	Jts	Len (ft)	Btm (ftKB)	Btm (TVD) (ftKB)
Tubing	2 7/8	6.50	L-80	279	8,642.64	8,642.1	8,641.9
Pump Seating Nipple	2 7/8	6.50	N-80	1	1.10	8,643.2	8,643.0
Pup Joint	2 7/8	6.50	N-80	1	8.00	8,651.2	8,651.0
ESP - Pump	4	0.00	X	1	23.73	8,674.9	8,674.7
Seal Assembly	4	0.00	X	1	12.20	8,687.1	8,686.9
ESP - Motor	4	0.00	X	1	27.20	8,714.3	8,714.1
SENSOR	4	0.00	X	1	4.10	8,718.4	8,718.2
Centralizer	2 3/8	0.00	X	1	0.52	8,718.9	8,718.7
Shroud	5 1/2	0.00	N-80	1	8.00	8,726.9	8,726.7

Other In Hole

Run Date	Des	Make	OD (in)	Top (ftKB)	Btm (ftKB)
10/18/2013	Fish	Shroud	5 1/2	8,951.0	8,991.0

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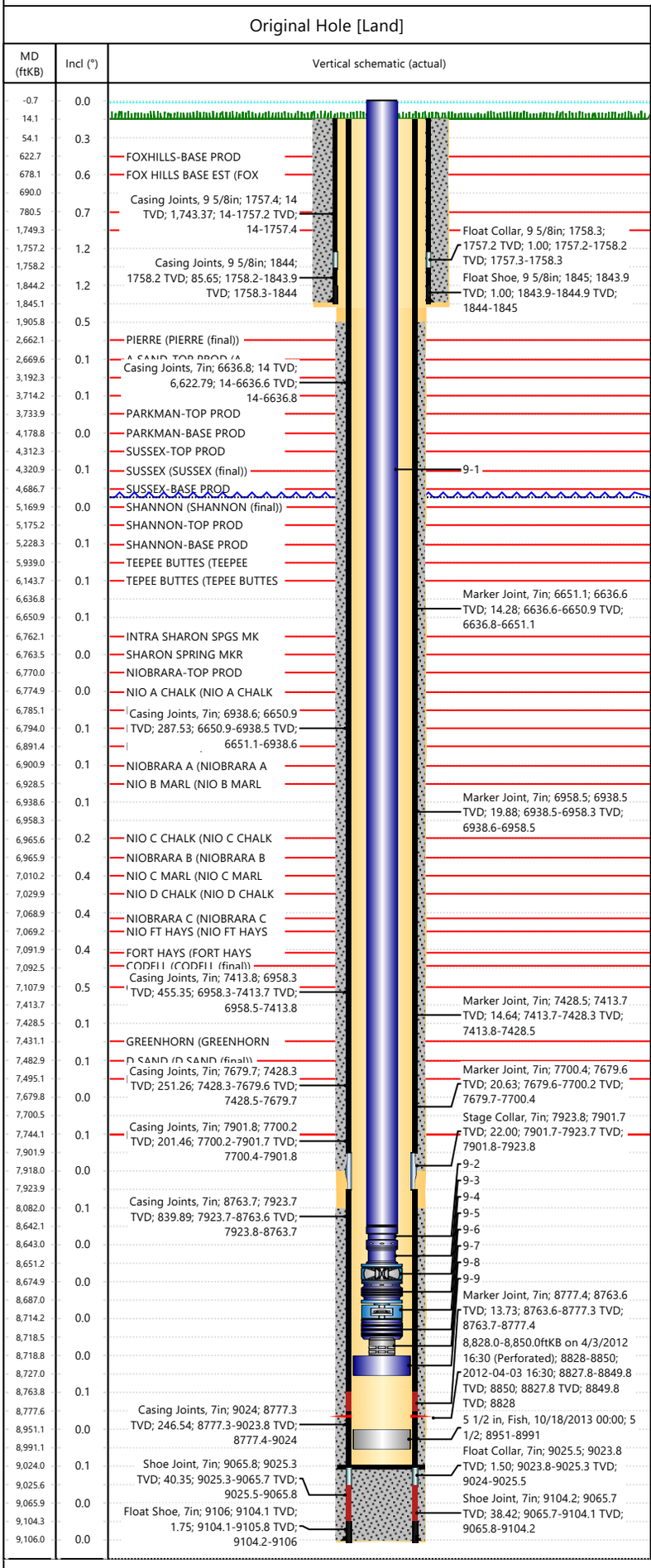

Proposed Other In Hole

Des	Make	OD (in)	Top (ftKB)	Btm (ftKB)

Logs

Date	Type	Depth Top (MD) (ftKB)	Btm (ftKB)
3/7/2012	MUD LOG - VERTICAL	6,000	9,128.0
3/10/2012	COMPENSATED SPECTRAL NATURAL GAMMA RAY	184	9,053.0
3/13/2012	TRIPLE COMBO	184	9,127.0
3/28/2012	ISOLATION SCANNER CEMENT EVAL CAMMA RAY-CCL	14	9,000.0
3/29/2012	CBL V.D.L./CCL/GR	14	9,007.0

Perforation Data

Linked Zone	Sum of Entered Shot Total	Top (ftKB)	Btm (ftKB)	Date
LYONS, Original Hole	88	8,828.0	8,850.0	4/3/2012
Total	**88**			

Job Supply Amounts

Supply Item Des	Job Supply Type	Unit La	Job Category	Total Re	Total Co	Total Re

Daily Cost Breakdown by Category

Field Est (Cost)	Description	Note