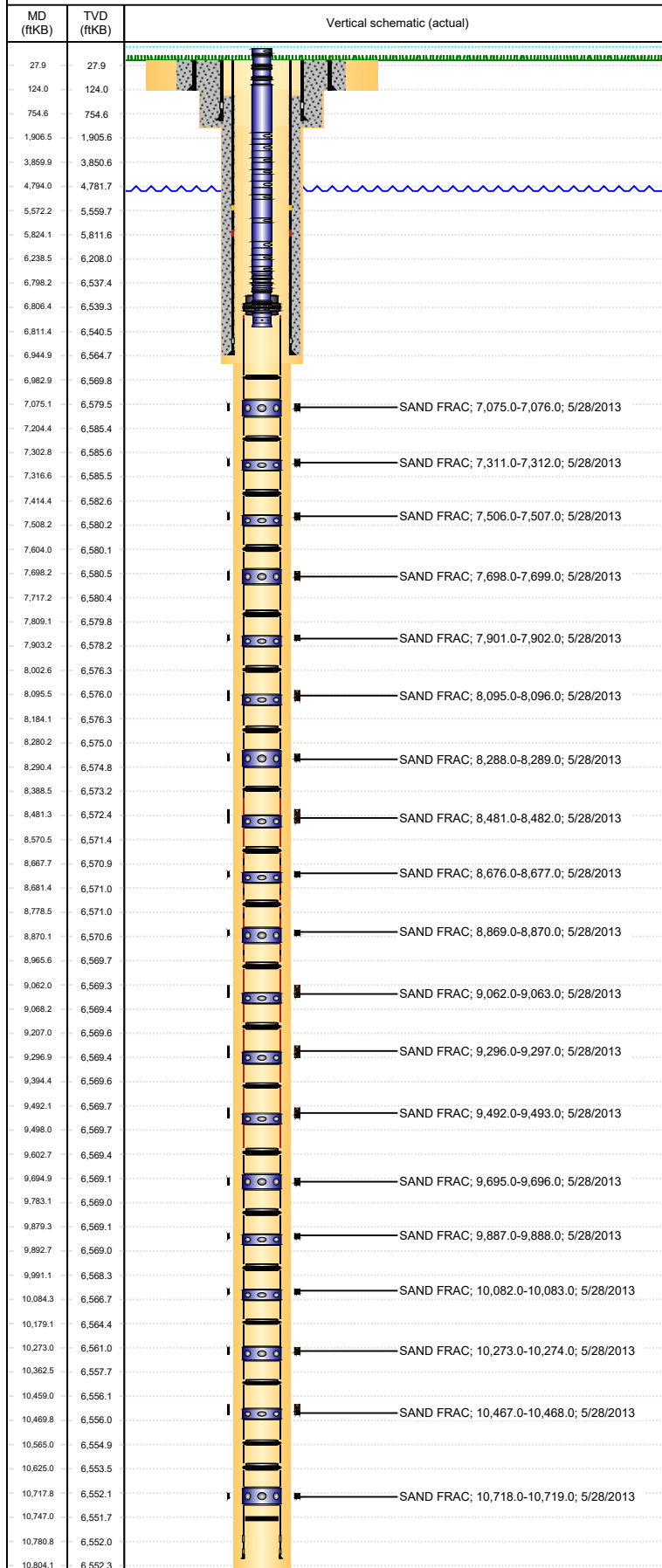


Wellbore Schematic Input Report-DJ

Well Name: KUMMER PC LE23-64HN

HORIZONTAL, ORIGINAL HOLE, 1/3/2022 12:47:49 PM



Tubing Components								
Item Des	OD (in)	Wt (lb/ft)	Grade	Jts	Len (ft)	Btm (ftKB)	Btm (TVD) (ftKB)	
Gas Lift Mandrel	2 3/8	4.70	N-80	1	4.10	4,793.9	4,781.6	
Tubing	2 3/8	4.70	L-80	15	463.58	5,257.5	5,245.0	
Gas Lift Mandrel	2 3/8	4.70	N-80	1	4.10	5,261.6	5,249.1	
Tubing	2 3/8	4.70	L-80	14	436.31	5,697.9	5,685.3	
Gas Lift Mandrel	2 3/8	4.70	N-80	1	4.10	5,702.0	5,689.4	
Tubing	2 3/8	4.70	L-80	13	402.84	6,104.8	6,086.7	
Gas Lift Mandrel	2 3/8	4.70	N-80	1	4.10	6,108.9	6,090.6	
Tubing	2 3/8	4.70	L-80	4	122.66	6,231.6	6,202.8	
Side Pocket Gas Lift Mandrel/TEMP & PRESSURE GAUGE	2 3/8	4.70	N-80	1	7.00	6,238.6	6,208.9	
Tubing	2 3/8	4.70	L-80	18	550.07	6,788.6	6,535.7	
Gas Lift Mandrel	2 3/8	4.70	N-80	1	4.10	6,792.7	6,536.8	
XN Profile Nipple	2 3/8	4.70	N-80	1	1.30	6,794.0	6,537.1	
Pup Joint	2 3/8	4.70	N-80	1	4.20	6,798.2	6,538.3	
On-Off Tool	2 3/8	4.70	N-80	1	1.41	6,799.7	6,538.6	
Pup Joint	2 3/8	4.70	N-80	1	6.10	6,805.8	6,540.2	
Ceramic disc sub	2 3/8	4.70	N-80	1	0.80	6,806.6	6,540.4	
Cross Over	2 3/8	4.70	N-80	1	0.80	6,807.4	6,540.6	
Seal Bore Receptacle TBR	2 3/8	4.70	N-80	1	3.30	6,810.7	6,541.5	

Other In Hole						
Run Date	Des	Make	OD (in)	Top (ftKB)	Btm (ftKB)	Pr op R un

Logs				
Date	Type	Top, MD (ftKB)	Btm, MD (ftKB)	
4/22/2013	MUD LOG	766.0	10,804.0	
4/22/2013	MWD GAMMA	766.0	10,804.0	
5/15/2013	CBL/CCL/GR	24.0	6,786.0	

Stimulation Intervals			
Interval...	Start Date	Primary Job Type	Zone
1	5/28/2013	DRILLING/COMPLETION - ORIGINAL	NI0BRARA, ORIGINAL HOLE
Technical Result		Tech Result Details	
Success		According to Plan	
Comment		SEE ATTACHMENT	

Interval...	Start Date	Primary Job Type	Zone
2	5/28/2013	DRILLING/COMPLETION - ORIGINAL	
Technical Result		Tech Result Details	
		Tech Result Note	
Comment		SEE ATTACHMENT	

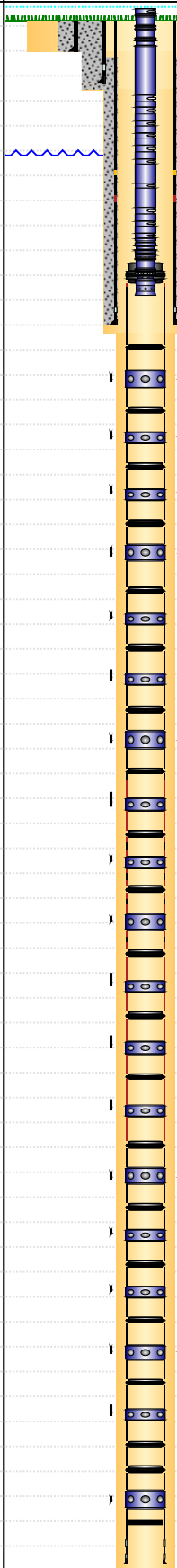
Interval...	Start Date	Primary Job Type	Zone
3	5/28/2013	DRILLING/COMPLETION - ORIGINAL	
Technical Result		Tech Result Details	
		Tech Result Note	
Comment		SEE ATTACHMENT	

Interval...	Start Date	Primary Job Type	Zone
4	5/28/2013	DRILLING/COMPLETION - ORIGINAL	
Technical Result		Tech Result Details	
		Tech Result Note	
Comment		SEE ATTACHMENT	

Interval...	Start Date	Primary Job Type	Zone
5	5/28/2013	DRILLING/COMPLETION - ORIGINAL	
Technical Result		Tech Result Details	
		Tech Result Note	
Comment		SEE ATTACHMENT	

Interval...	Start Date	Primary Job Type	Zone
6	5/28/2013	DRILLING/COMPLETION - ORIGINAL	
Technical Result		Tech Result Details	
		Tech Result Note	
Comment		SEE ATTACHMENT	

Well Name: KUMMER PC LE23-64HN

HORIZONTAL, ORIGINAL HOLE, 1/3/2022 12:47:49 PM			Stimulation Intervals			
MD (ftKB)	TVD (ftKB)	Vertical schematic (actual)	Interval...	Start Date	Primary Job Type	Zone
27.9	27.9		7	5/28/2013	DRILLING/COMPLETION - ORIGINAL	
124.0	124.0		Technical Result		Tech Result Details	Tech Result Note
754.6	754.6		Comment SEE ATTACHMENT			
1,906.5	1,906.6		8	5/28/2013	DRILLING/COMPLETION - ORIGINAL	
3,859.9	3,850.6		Technical Result		Tech Result Details	Tech Result Note
4,794.0	4,781.7		Comment SEE ATTACHMENT			
5,572.2	5,559.7		9	5/28/2013	DRILLING/COMPLETION - ORIGINAL	
5,824.1	5,811.6		Technical Result		Tech Result Details	Tech Result Note
6,238.5	6,208.0		Comment SEE ATTACHMENT			
6,798.2	6,537.4		10	5/28/2013	DRILLING/COMPLETION - ORIGINAL	
6,806.4	6,539.3		Technical Result		Tech Result Details	Tech Result Note
6,811.4	6,540.5		Comment SEE ATTACHMENT			
6,944.9	6,564.7		11	5/28/2013	DRILLING/COMPLETION - ORIGINAL	
6,982.9	6,569.8		Technical Result		Tech Result Details	Tech Result Note
7,075.1	6,579.5		Comment SEE ATTACHMENT			
7,204.4	6,585.4		12	5/28/2013	DRILLING/COMPLETION - ORIGINAL	
7,302.8	6,585.6		Technical Result		Tech Result Details	Tech Result Note
7,316.6	6,585.5		Comment SEE ATTACHMENT			
7,414.4	6,582.6		13	5/28/2013	DRILLING/COMPLETION - ORIGINAL	
7,508.2	6,580.2		Technical Result		Tech Result Details	Tech Result Note
7,604.0	6,580.1		Comment SEE ATTACHMENT			
7,698.2	6,580.5		14	5/28/2013	DRILLING/COMPLETION - ORIGINAL	
7,717.2	6,580.4		Technical Result		Tech Result Details	Tech Result Note
7,809.1	6,579.8		Comment SEE ATTACHMENT			
7,903.2	6,578.2		15	5/28/2013	DRILLING/COMPLETION - ORIGINAL	
8,002.6	6,576.3		Technical Result		Tech Result Details	Tech Result Note
8,095.5	6,576.0		Comment SEE ATTACHMENT			
8,184.1	6,576.3		16	5/28/2013	DRILLING/COMPLETION - ORIGINAL	
8,280.2	6,575.0		Technical Result		Tech Result Details	Tech Result Note
8,290.4	6,574.8		Comment SEE ATTACHMENT			
8,388.5	6,573.2		17	5/28/2013	DRILLING/COMPLETION - ORIGINAL	
8,481.3	6,572.4		Technical Result		Tech Result Details	Tech Result Note
8,570.5	6,571.4		Comment SEE ATTACHMENT			
8,667.7	6,570.9		18	5/28/2013	DRILLING/COMPLETION - ORIGINAL	
8,681.4	6,571.0		Technical Result		Tech Result Details	Tech Result Note
8,778.5	6,571.0		Comment SEE ATTACHMENT			
8,870.1	6,570.6		19	5/28/2013	DRILLING/COMPLETION - ORIGINAL	
8,965.6	6,569.7		Technical Result		Tech Result Details	Tech Result Note
9,062.0	6,569.3		Comment SEE ATTACHMENT			
9,068.2	6,569.4		20	5/28/2013	DRILLING/COMPLETION - ORIGINAL	
9,207.0	6,569.6		Technical Result		Tech Result Details	Tech Result Note
9,296.9	6,569.4		Comment SEE ATTACHMENT			
9,394.4	6,569.6		21	5/28/2013	DRILLING/COMPLETION - ORIGINAL	
9,492.1	6,569.7		Technical Result		Tech Result Details	Tech Result Note
9,498.0	6,569.7		Comment SEE ATTACHMENT			
9,602.7	6,569.4		22	5/28/2013	DRILLING/COMPLETION - ORIGINAL	
9,694.9	6,569.1		Technical Result		Tech Result Details	Tech Result Note
9,783.1	6,569.0		Comment SEE ATTACHMENT			
9,879.3	6,569.1		23	5/28/2013	DRILLING/COMPLETION - ORIGINAL	
9,892.7	6,569.0		Technical Result		Tech Result Details	Tech Result Note
9,991.1	6,568.3		Comment SEE ATTACHMENT			
10,084.3	6,566.7		24	5/28/2013	DRILLING/COMPLETION - ORIGINAL	
10,179.1	6,564.4		Technical Result		Tech Result Details	Tech Result Note
10,273.0	6,561.0		Comment SEE ATTACHMENT			
10,362.5	6,557.7		25	5/28/2013	DRILLING/COMPLETION - ORIGINAL	
10,459.0	6,556.1		Technical Result		Tech Result Details	Tech Result Note
10,469.8	6,556.0		Comment SEE ATTACHMENT			
10,565.0	6,554.9		26	5/28/2013	DRILLING/COMPLETION - ORIGINAL	
10,625.0	6,553.5		Technical Result		Tech Result Details	Tech Result Note
10,717.8	6,552.1		Comment SEE ATTACHMENT			
10,747.0	6,551.7		27	5/28/2013	DRILLING/COMPLETION - ORIGINAL	
10,780.8	6,552.0		Technical Result		Tech Result Details	Tech Result Note
10,804.1	6,552.3		Comment SEE ATTACHMENT			



HORIZONTAL, ORIGINAL HOLE, 1/3/2022 12:47:50 PM

HORIZONTAL, ORIGINAL HOLE, 1/3/2022 12:47:50 PM			Stimulation Intervals			
MD (ftKB)	TVD (ftKB)	Vertical schematic (actual)	Interval... 19	Start Date 5/28/2013	Primary Job Type DRILLING/COMPLETION - ORIGINAL	Zone
27.9	27.9		Technical Result		Tech Result Details	Tech Result Note
124.0	124.0		Comment SEE ATTACHMENT			
754.6	754.6					
1,906.5	1,906.6					
3,859.9	3,850.6					
4,794.0	4,781.7					
5,572.2	5,559.7					
5,824.1	5,811.6					
6,238.5	6,208.0					
6,798.2	6,537.4					
6,806.4	6,539.3					
6,811.4	6,540.5					
6,944.9	6,564.7					
6,982.9	6,569.8					
7,075.1	6,579.5					
7,204.4	6,585.4					
7,302.8	6,585.6					
7,316.6	6,585.5					
7,414.4	6,582.6					
7,508.2	6,580.2					
7,604.0	6,580.1					
7,698.2	6,580.5					
7,717.2	6,580.4					
7,809.1	6,579.8					
7,903.2	6,578.2					
8,002.6	6,576.3					
8,095.5	6,576.0					
8,184.1	6,576.3					
8,280.2	6,575.0					
8,290.4	6,574.8					
8,388.5	6,573.2					
8,481.3	6,572.4					
8,570.5	6,571.4					
8,667.7	6,570.9					
8,681.4	6,571.0					
8,778.5	6,571.0					
8,870.1	6,570.6					
8,965.6	6,569.7					
9,062.0	6,569.3					
9,068.2	6,569.4					
9,207.0	6,569.6					
9,296.9	6,569.4					
9,394.4	6,569.6					
9,492.1	6,569.7					
9,498.0	6,569.7					
9,602.7	6,569.4					
9,694.9	6,569.1					
9,783.1	6,569.0					
9,879.3	6,569.1					
9,892.7	6,569.0					
9,991.1	6,568.3					
10,084.3	6,566.7					
10,179.1	6,564.4					
10,273.0	6,561.0					
10,362.5	6,557.7					
10,459.0	6,556.1					
10,469.8	6,556.0					
10,565.0	6,554.9					
10,625.0	6,553.5					
10,717.8	6,552.1					
10,747.0	6,551.7					
10,780.8	6,552.0					
10,804.1	6,552.3					