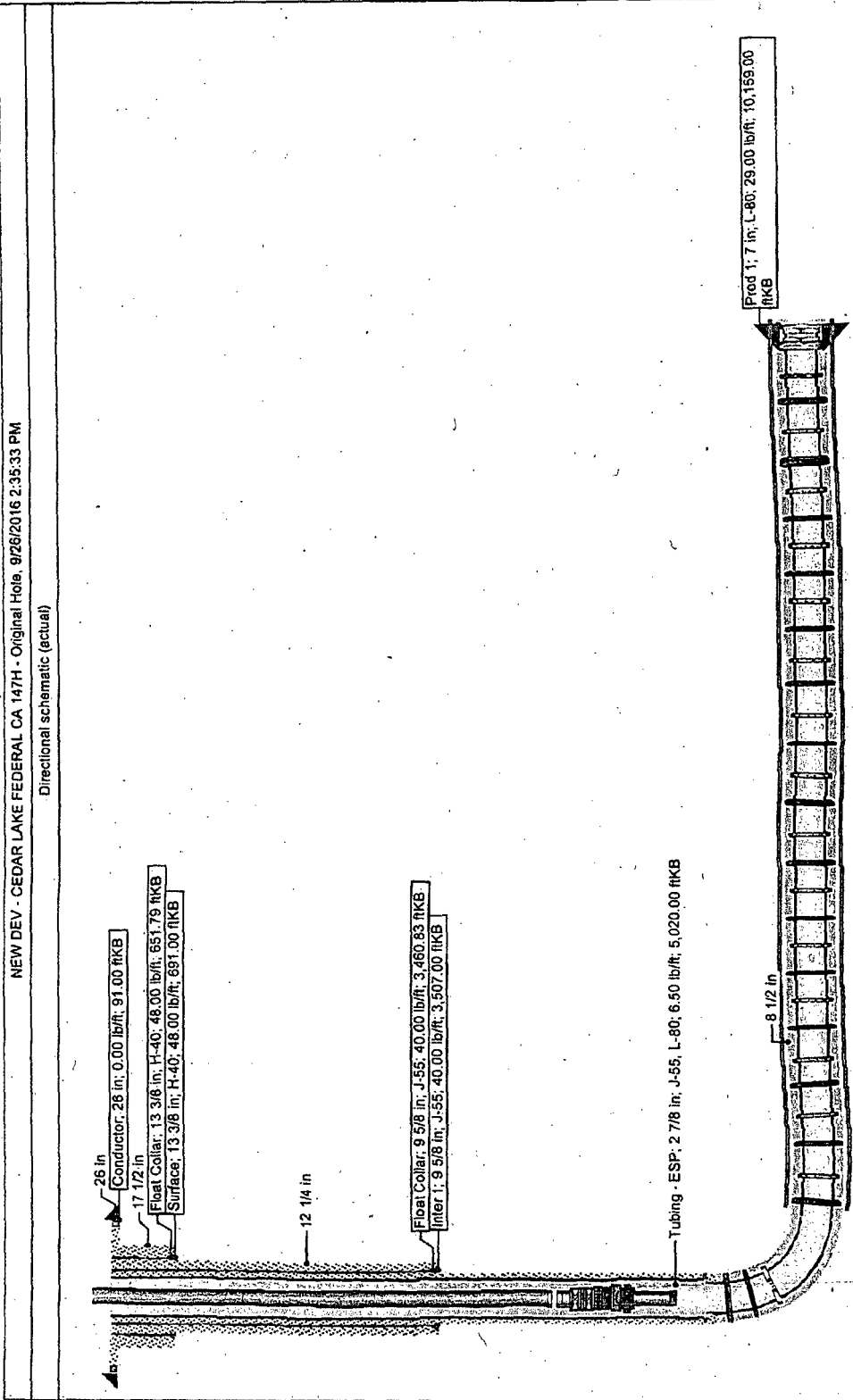




Well Info		Legal Well Name: CEDAR LAKE FEDERAL CA 147H	
API#: 300143403		Spud Date: 11/23/2015	
Original Drilling Rig Release: 11/23/2015		Field Name: Fed. Gorda-Yaso	
Target Formation: Fed. Gorda-Yaso		County: Esch	
State/Province: Texas		Surface Legal Location: SEC 10 T17E R31E	
Bottom Hole Location:		Bottom Hole Legal Location: SEC 10 T17S R31E	
East-West Distance (ft): From E or W Line: CEDAR LAKE FEDERAL CA 147H - Original Hole		North-South Distance (ft): From N or S Line: CEDAR LAKE FEDERAL CA 147H - Original Hole	
Original Drilling Rig Release: 11/23/2015		Original KB Elevation (ft): 3,957.6	
Ground Elevation (ft): 3,959.6		KB Ground Distance (ft): 11.0	
Total Depth (ft) (RKB): Original Hole: 10,159.0		Total Depth All (ft) (RKB): Original Hole: 10,159.0	
Total Depth All (ft) (RKB): Original Hole: 10,159.0		Total Depth All (ft) (RKB): Original Hole: 10,159.0	
Camout Log		Surface: 891.00 RKB	
Stage Number		Top Depth (ft) (RKB)	Bottom Depth (ft) (RKB)
1		11.00	591.00
Top Measurement Method		Returns at Surface	
Obj	Yield (ft/sec)	Amount (secs)	Vol Pumped (bbl)
1	1.33	700	168.0
Inter 1, 3,507.00 RKB		Bottom Depth (ft) (RKB)	
1		11.00	3,507.00
Top Measurement Method		Returns at Surface	
Obj	Yield (ft/sec)	Amount (secs)	Vol Pumped (bbl)
1	1.32	300	71.0
Prod 1, 10,159.00 RKB		Bottom Depth (ft) (RKB)	
1		11.00	5,231.00
Top Measurement Method		Returns at Surface	
Obj	Yield (ft/sec)	Amount (secs)	Vol Pumped (bbl)
1	2.05	400	148.0
Lead		2.05	148.0
Tail		1.48	69.0

Stimulation Jobs		Radiorations		Kick Offs & Key Depths	
Volume Gels Total (bbl): 65,230.00	Top Depth (ft) (RKB): 5,231.00	Type: Kick Off	Top Depth (ft) (RKB): 5,231.00	Type: Kick Off	Top Depth (ft) (RKB): 5,231.00
Total Gels - Recovered Volume (bbl): 52,220.00	Top Depth (ft) (RKB): 5,231.00	Total Depth (ft) (RKB): 10,159.00	Total Depth (ft) (RKB): 10,159.00	Total Depth (ft) (RKB): 10,159.00	Total Depth (ft) (RKB): 10,159.00
Proppant Total (lb): 2,795,137.00	Top Depth (ft) (RKB): 5,231.00	PBD (ft) (RKB): Original Hole: 10,159.00	PBD (ft) (RKB): Original Hole: 10,159.00	PBD (ft) (RKB): Original Hole: 10,159.00	PBD (ft) (RKB): Original Hole: 10,159.00
Treat Rate Max (gpm):	Top Depth (ft) (RKB): 5,231.00	Bottom Depth (ft) (RKB):	Bottom Depth (ft) (RKB):	Bottom Depth (ft) (RKB):	Bottom Depth (ft) (RKB):
Treat Pressure Max (psi):	Top Depth (ft) (RKB): 5,231.00	Bottom Depth (ft) (RKB):	Bottom Depth (ft) (RKB):	Bottom Depth (ft) (RKB):	Bottom Depth (ft) (RKB):
Number of Treatment Intervals: 15	Top Depth (ft) (RKB): 5,231.00	Bottom Depth (ft) (RKB):	Bottom Depth (ft) (RKB):	Bottom Depth (ft) (RKB):	Bottom Depth (ft) (RKB):
Min Top Depth (ft) (RKB): 5,094.00	Top Depth (ft) (RKB): 5,231.00	Bottom Depth (ft) (RKB):	Bottom Depth (ft) (RKB):	Bottom Depth (ft) (RKB):	Bottom Depth (ft) (RKB):
Max Bottom Depth (ft) (RKB): 10,159.00	Top Depth (ft) (RKB): 5,231.00	Bottom Depth (ft) (RKB):	Bottom Depth (ft) (RKB):	Bottom Depth (ft) (RKB):	Bottom Depth (ft) (RKB):