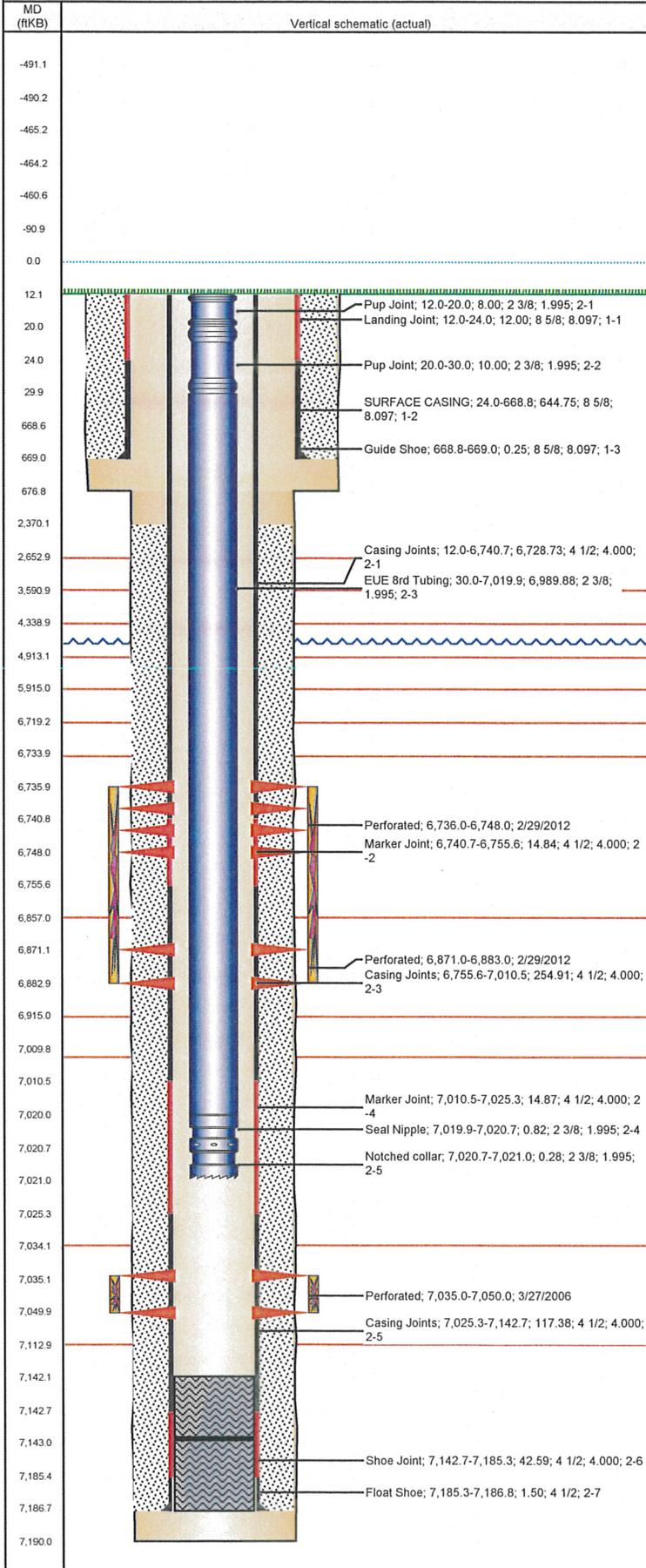


Well Name: SIAN E27-05

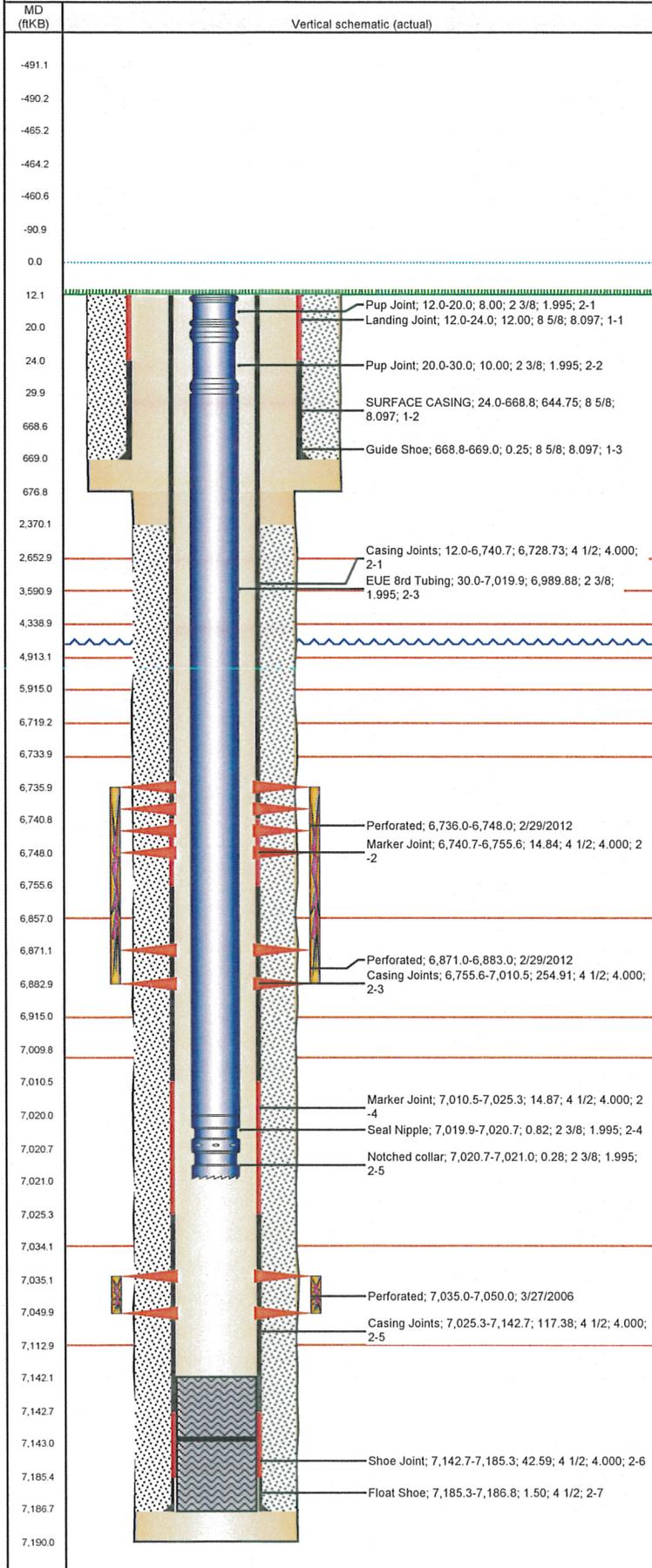
VERTICAL - ORIGINAL HOLE, 8/9/2012 10:27:44 AM



Well Header			
API	Business Unit	District	Well Config
05-123-23631	WATTENBERG	15	VERTICAL
Original KB Elevation (ft)	KB - GL / MSL (ftKB)	Spud Date	P & A Date
4,705.00	12.00	3/10/2006	
Comment			
WELL ORIGINALLY NOTED TO BE "DEVIATED" BASED ON SURVEYS. NO BOTTOM HOLE INFORMATION AVAILABLE			
Directions To Well			
Current PBTD (ftKB)			
ORIGINAL HOLE - 7,143.0			
Surface Location (Congressional)			
Quarter 1	Quarter 2	Quarter 3	Quarter 4
		SW	NW
Section	Township	Twnshp N...	Range
27	6 N		65 W
Bottom Hole Location			
North-South Distance (ft)	From N or S Line	East-West Distance (ft)	From E or W Line
Plug Back Total Depths			
Date	Depth (ftKB)	Method	Com
3/14/2006	7,143.0	CASING TALLY	GUIDE SHOE
3/27/2006	7,117.0	CASED HOLE LOG	DEPTH LOGGER
Wellbore Sections			
Section Des	Size (in)	Act Top (ftKB)	Act Btm (ftKB)
SURFACE	12 1/4	12.0	677.0
PRODUCTION	7 7/8	677.0	7,190.0
Zone Statuses			
Zone Name	Status Date	Status	Job
CODELL	4/6/2006	PR	DRILLING/COMPLETION - ORIGINAL, 2/1/2006 00:00
CODELL	3/1/2012	PR	RE-FRAC & RECOMPLETE, 2/22/2012 06:00
NIOBRARA	3/1/2012	PR	RE-FRAC & RECOMPLETE, 2/22/2012 06:00
Casing Strings			
Csg Des	Run Date	OD (in)	Wt/Len (lb/ft)
SURFACE	3/10/2006	8 5/8	24.00
PRODUCTION	3/14/2006	4 1/2	11.60
Grade	Top (ftKB)	Set Depth (ftKB)	
J-55	12.0	669.0	
M-80	12.0	7,186.8	
Cement			
Des	Top (ftKB)	Btm (ftKB)	
SURFACE CASING CEMENT	12.0	669.0	
PRODUCTION CASING CEMENT	2,370.0	7,186.8	
Tubing Components			
Item Des	OD (in)	Wt (lb/ft)	Grade
Pup Joint	2 3/8	4.70	N-80
Pup Joint	2 3/8	4.70	L-80
EUE 8rd Tubing	2 3/8	4.70	J-55
Seal Nipple	2 3/8	4.70	J-55
Notched collar	2 3/8	4.70	J-55
Jts	Len (ft)		
1	8.00		
1	10.00		
212	6,989.88		
1	0.82		
1	0.28		
Perforation Data			
Zone	Bnch/Stg	Entered Shot Total	Date
NIOBRARA, ORIGINAL HOLE		24	2/29/2012
NIOBRARA, ORIGINAL HOLE		24	2/29/2012
CODELL, ORIGINAL HOLE		60	3/27/2006
Top (ftKB)	Btm (ftKB)		
6,736.0	6,748.0		
6,871.0	6,883.0		
7,035.0	7,050.0		
Stimulations & Treatments			
Bnch/Stg	Date	Zone	Primary Job Type
	4/4/2006	CODELL, ORIGINAL HOLE	DRILLING/COMPLETION - ORIGINAL
Comment			
FRAC'D VIA DEAD STRING CONFIGURATION			
Total Add Amount	Total Clean Volume...	Voi Slurry Tot (gal)	Voi Gas Tot (MCF)
Proppant Ottawa 270320 lb		128730.01	
Avg Treat Pressure (psi)	Max Treat Pressure (psi)	Avg Treat Rate (bbl/min)	Max Treat Rate (bbl/min)
5,589.0	6,328.0	12.70	17.50

Well Name: SIAN E27-05

VERTICAL - ORIGINAL HOLE, 8/9/2012 10:27:44 AM



Stimulations & Treatments			
Brnch/Stg	Date	Zone	Primary Job Type
	2/29/2012	CODELL, ORIGINAL HOLE	RE-FRAC & RECOMPLETE

Comment
 (CODELL) WELL LOADED WITH 80 BBLS. INCREASED RATE TO 18 BPM DUE TO LEAKOFF. HAVING PROBLEMS WITH BLENDER DENSOMETER. HAD ISSUES WITH TUB BYPASS VALVE WHEN TRYING TO OPEN FOR ACID. AVERAGE VISCOSITY 25.6, PH 10.23, TEMP 69.9, POST 5-MIN. 3642.

Total Add Amount	Total Clean Volume...	Vol Slurry Tot (gal)	Vol Gas Tot (MCF)
Proppant Ottawa 231122 lb	129780.00	140238.00	
Avg Treat Pressure (psi)	Max Treat Pressure (psi)	Avg Treat Rate (bbl/min)	Max Treat Rate (bbl/min)
3,969.0	4,141.0	18.60	19.30

Brnch/Stg	Date	Zone	Primary Job Type
	2/29/2012	NIOBRARA, ORIGINAL HOLE	RE-FRAC & RECOMPLETE

Comment
 (NIOBRARA) CREW HAD 15# OF B5 TO START NIOBRARA. 40# BUCKET WAS SEALED BUT HAD TRASH IN IT. STARTED JOB, BROKE FORMATION STARTED ISIP AND SHUT DOWN TILL MORE B5 ARRIVED ON LOCATION. DOWN FOR 1HR. ALL PUMPS KICKED OUT TWICE DURING FR PAD. PRESSURE WAS WELL BELOW 5000 PSI, WATER HAMMER EXCEEDED MAX PRESSURE 5216 PSI. PUMP TRUCKS WERE READING ABOUT 300 PSI HIGHER THEN TREATING PRESSURE. STAGED 20 BBLS EARLY INTO GEL PAD. RAN 20BBLS EXTRA ON GEL PAD. HAD TO KILL SCREWS ON 3PSA. HYDRATION UNIT LOST ALL SUCTION. FLUSHED WELL, OPERATOR SWITCHED TO BACKUP SUCTION PUMP AND GOT HIS SUCTION BACK, SWITCHED BACK TO GEL PUMPED A WELL BORE OF CROSSLINK GEL, 1 WELLBORE OF 1 PSA, 1 WELLBORE OF 2 PSA AND CONTINUED ON 3 PSA TILL WE GOT THE CORRECT SAND VOLUME. NO OTHER ISSUES TO REPORT. AVERAGE VISCOSITY 18.4, PH 10.39, TEMP 68.9. POST 5-MIN. 3385.

Total Add Amount	Total Clean Volume...	Vol Slurry Tot (gal)	Vol Gas Tot (MCF)
Proppant Ottawa 260824 lb	166110.01	177870.00	
Avg Treat Pressure (psi)	Max Treat Pressure (psi)	Avg Treat Rate (bbl/min)	Max Treat Rate (bbl/min)
4,380.0	45,003.0	48.40	48.60

Other In Hole				
Run Date	Des	OD (in)	Top (ftKB)	Btm (ftKB)

Logs			
Date	Type	Top (ftKB)	Btm (ftKB)
3/14/2006	COMPENSATED DENSITY	2,500.0	7,190.0
3/14/2006	INDUCTION	669.0	7,190.0
3/27/2006	CBL/CCL/GR	2,250.0	7,116.0