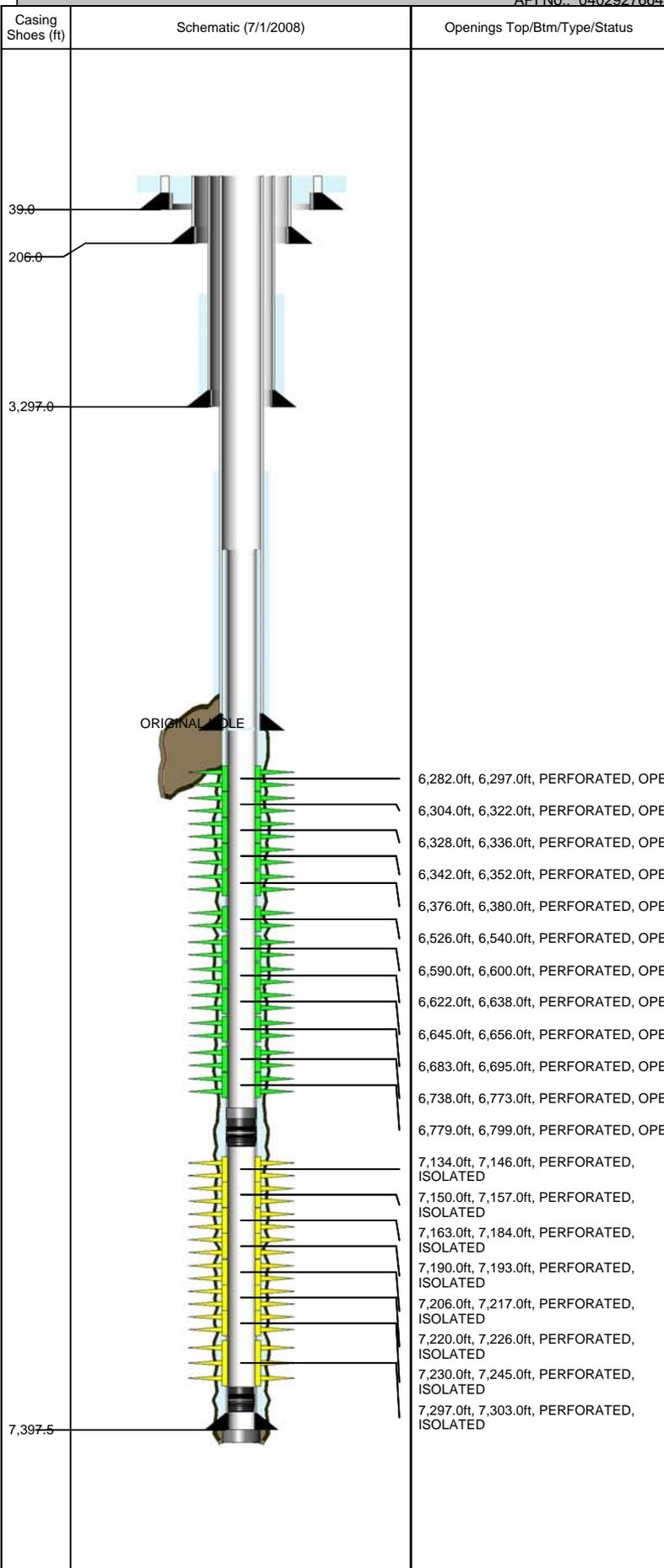


Wellbore: ST 1
 PBMD: 6,850.0ft
 Btm TMD: 7,400.0ft
 Spud Date: 5/9/1951 00:00
 BH Coord X: 6,147,935.22uss ft
 BH Coord Y: 2,286,687.18uss ft

Event: WELL MAINT - RIG
 Event End: 7/1/2008 00:00
 Sec. Reason: SPLIT

Ground Level: 911.0ft
 Datum: ORIGINAL KB @ 923.00ft (default)
 API No.: 0402927664



ROD STRING			Report Date: 6/28/2008 00:00			CONDUCTOR CASING			Report Date: 5/9/1951 00:00					
Component	Top MD (ft)	Btm MD (ft)	m	OD (in)	Grade	Wt. (ppf)	TopMD (ft)	BtmMD (ft)	m	OD (in)	Grade	Wt. (ppf)	TopMD (ft)	BtmMD (ft)
POLROD	0.0	36.0												
PNYROD	36.0	38.0												
R-4PER	38.0	2,408.0												
R-4PER	2,408.0	3,518.0												
ROD	3,518.0	5,438.0												
R-4PER	5,438.0	6,728.0												
RSTBAR	6,728.0	6,732.0												
INSPMP	6,732.0	6,756.0												
TUBING STRING			Report Date: 6/27/2008 00:00			INTERMEDIATE CASING			Report Date: 6/24/1951 00:00					
Component	Top MD (ft)	Btm MD (ft)	m	OD (in)	Grade	Wt. (ppf)	TopMD (ft)	BtmMD (ft)	m	OD (in)	Grade	Wt. (ppf)	TopMD (ft)	BtmMD (ft)
TH-DBB	12.0	12.6												
FATNIP	12.6	13.3												
PUPJNT	13.3	25.6												
TBGJNT	25.6	5,434.2												
AC	5,434.2	5,436.6												
XO	5,436.6	5,437.7												
TBGJNT	5,437.7	6,765.9												
STNIP	6,765.9	6,767.0												
PUPJNT	6,767.0	6,769.2												
WLREG	6,769.2	6,769.7												
PLUG BACK			Report Date: 12/27/2004 00:00			LINER			Report Date: 10/20/2002 00:00					
Component	Top MD (ft)	Btm MD (ft)	m	OD (in)	Grade	Wt. (ppf)	TopMD (ft)	BtmMD (ft)	m	OD (in)	Grade	Wt. (ppf)	TopMD (ft)	BtmMD (ft)
CEMENT	6,850.0	6,860.0												
PLUG BACK			Report Date: 12/27/2004 00:00			LINER			Report Date: 10/20/2002 00:00					
Component	Top MD (ft)	Btm MD (ft)	m	OD (in)	Grade	Wt. (ppf)	TopMD (ft)	BtmMD (ft)	m	OD (in)	Grade	Wt. (ppf)	TopMD (ft)	BtmMD (ft)
BP-RET	6,860.0	6,862.0												
PLUG BACK			Report Date: 11/20/2002 00:00			LINER			Report Date: 10/20/2002 00:00					
Component	Top MD (ft)	Btm MD (ft)	m	OD (in)	Grade	Wt. (ppf)	TopMD (ft)	BtmMD (ft)	m	OD (in)	Grade	Wt. (ppf)	TopMD (ft)	BtmMD (ft)
BP-DR	7,339.0	7,341.5												
PLUG BACK			Report Date: 10/20/2002 00:00			LINER			Report Date: 10/20/2002 00:00					
Component	Top MD (ft)	Btm MD (ft)	m	OD (in)	Grade	Wt. (ppf)	TopMD (ft)	BtmMD (ft)	m	OD (in)	Grade	Wt. (ppf)	TopMD (ft)	BtmMD (ft)
CEMENT	7,397.5	7,400.0												

A window was milled in 7" casing, 5750' - 5783'. The old hole was side tracked and a new 6-1/8" hole drilled 5750' - 7400'. A 5", 15# Liner was hung @ 7400', top @ 5468'. The liner was cemented with 265 CF of cement. The liner was perforated, at intervals, 7134' - 7245'w/ 6 JHPF.

Well: 348-34S-RD1 S/T/R: 34S/30S/24E

CASING CEMENT DETAIL

 Sfc Csg. Cmt Vol.: 645ft3
 Bit Size: 22"
 Top Job:
 Rtns to Sfc: not listed
 TTOC: sfc

Interm Csg. Cmt Vol.: 1032 ft3
 Bit Size: 9-3/4"
 Top Job:
 Rtns to Sfc: Yes
 TOC: Sfc - temperature log

Prod. Csg. Cmt Vol.: 645 ft3
 Bit Size: 7"
 Top Job:
 Rtns to Sfc: not indicated
 TTOC: 4670'

Liner Cmt Vol.: 265 ft3
 Hole Size: 6-18"
 Top Job:
 Rtns to Sfc: no
 TTOC: 654'

Top of Formation:
 UBA: 6822'
 BLW: 7311'

Volume Behind Pipe:
 1.3 Yield Assumed
 Theoretical Calculations (TTOC) tb.