

CASING DETAIL

WELL NAME: TIERRA PIEDRA 33-5 # 15-1 R DATE: 10/21/2008
 TD: 350 ft. HOLE SIZE: 12 1/4 in., DATUM 12
 LAST CASING: 13 3/8 in., SET@ 97.44 ft.
 THIS CASING: 9 5/8" in., SET@ 345 ft.
 CSG ON HAND: # OF JTS 10, LENGTH 426.81 ft. (threads off)
 CSG LEFT OUT: # OF JTS 2, LENGTH 78.83 ft. (threads off)

Pieces	Size-Item-Make-Description	Wt.	Grade	Cplgs	Cond'n	Length
1	GUIDE SHOE			ST&C	N-80	0.75
1	9 5/8" SHOE JOINT (baffle in top of jt.)	36		ST&C		43.51
7	9 5/8" casing	36		ST&C		303.72
	TOTAL					347.98

TIME REQUIRED TO RUN CASING 2 HRS CSG SET @ 345
 TOP OF CSG. 2.9 ft. BELOW DATUM, FC@
 CENTRALIZERS: NO. 3 MAKE PLACED ON BOTTOM 3 JOINTS
 TURBOLIZERS: NO. MAKE PLACED
 TURBOLATORS: NO. MAKE PLACED
 SCRATCHERS: NO. MAKE PLACED
 MARKER JOINT / STAGE TOOL:
 REMARKS:

CEMENTING DETAIL

SERVICE COMPANY SUPERIOR YARD FARMINGTON, NEW MEXICO
 GOOD CIRC. ESTABLISHED: YES TIME CIRC. min. RECIPROCATED: NO

LEAD CEMENT				TAIL CEMENT			
#SX/KIND	<u>200</u>	sx of <u>TYPE IV</u>		sx of			
ADDITIVES	<u>2% CACL, 1/4 PPS SUPERFLAKE</u>						
MIX WTR	<u>5.2</u>	gal/sx	<u>27</u>	total bbls	gal/sx		total bbls
WT/YEILD	<u>15.60</u>	ppg	<u>1.18</u>	cu ft/ sx	ppg		cu ft / sx
DISPLACEMENT:	<u>CALCULATED</u>	<u>24</u>	bbls	ACTUAL	<u>21.2</u>	BBLS	
TIME REQ'D TO: MIX: <u>10</u> min., START PLUG: <u>22:08</u> min., PUMP PLUG DOWN: <u>8</u> mins							
LATE PUMP PRESS: <u>425</u> psig, PD@ <u>22:17</u> am w/ <u>425</u> psig, FLOAT HELD?							
REMARKS: <u>WELL SHUT IN, CIRCULATED 14 BBLS OF GOOD CEMENT TO SURFACE.</u>							

LEAD CEMENT				TAIL CEMENT			
#SX/KIND	sx of			sx of			
ADDITIVES							
MIX WTR		gal/sx		total bbls	gal/sx		total bbls
WT/YEILD		ppg		cu ft/ sx	ppg		cu ft / sx
DISPLACEMENT:	<u>CALCULATED</u>		bbls	ACTUAL		BBLS	
TIME REQ'D TO: MIX: min., START PLUG: min., PUMP PLUG DOWN: min.							
LATE PUMP PRESS psig, PD@ am/pm w/ psig, FLOAT HELD?							
REMARKS:							

TOC: SURFACE ft. OBSERVED
 RECOMMENDED WOC TIME: 12 hrs.

signed: DANIEL J. UHL