

**CASING INSPECTION**

Job No. 15 x E1000	Company ACME PUMPS	Well HOPE No. 1	Field LOS ANGELES	County LOS ANGELES	State CA
Location: 123 WATER WAY GPS: N 34d 18.888' W 118d 21' 22.2"	Other Services: 3 ARM CALIPER				
Sec. Twp. Rge. Elevation above perm. datum	Permanent Datum TOP OF CSG	Log Measured From TOP OF CSG	Drilling Measured From N/A	Elevation 730'	
Date 01-01-2011	Run Number ONE	Depth Logger 678'	Bottom Logged Interval 668'	Top Log Interval 400'	Time Pumping Prior to Survey N/A
Density / Viscosity N/A	Max. Recorded Temp. 80.2 F	Time Well Ready 1000	Time Logger on Bottom 1045	Equipment Number PS-3	Location LA
Recorded By RIDDER	Witnessed By N/A	SCHUMACHER			
Run Number	Bit	From	To	Size	Weight
Borehole Record		Tubing Record		From	To
Casing Record	Size	Wgt/ft	Top	Bottom	
Surface String	12.56"	40.98 LBS/FT	0'	470'	
Production String					
Liner	12.12"	32.65 LBS/FT	470'	678'	

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All interpretations are opinions based on inferences from electrical or other measurements and Pacific Surveys cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, damages, or expenses incurred or sustained by anyone resulting from any interpretation made by any of our officers, agents or employees. These interpretations are also subject to Pacific Surveys' general terms and conditions set out in our current Price Schedule.

**Comments**

The area from 470 ft to total depth can be either a reduction in wall thickness or an increase in the amount of perforations/ft. Perforation type was not available at time of this survey.

**Calibration Report**

Database File: c:\users\owner\desktop\databases\16000-16099\16056.db  
 Dataset Pathname: CITM.2  
 Dataset Creation: Fri Jul 01 16:35:36 2011 by Calc Open-Cased 090629

**Casing Inspection/Caliper Calibration Report**

Serial Number: 100  
 Tool Model: A  
 Performed: Fri Oct 29 14:22:01 2010

Low:	Reference (cps) 0.000	Reading (cps) 0.000
High:	1.000	1.000
	Gain = 1.000	Offset = 0.000

