PACIFIC SURVEYS

CASING INSPECTION

Company: ACME PUMPS
Well: HOPE No. 1
Field: LOS ANGELES
County: LOS ANGELES
State: CA
Other services: 3.68IN CALIPER

Location: 33.7N,118.3W
GPS: N 33° 48.599' W 118° 21.222'
Sec: Twp: Rge:
Permanent Datum: Elevation
Log Measured From: 20ft. Above Perm. Datum
Drilling Measured From: KB

Run Number	ONE
Depth Driller	6587
Depth Logger	6587
Bottom Logged Interval	6587
Top Logged Interval	SURF
Casing Fluid Type	Oil
Salinity, PPM Cl	N/A
Density	0.0
Fluid Level	N/A
Max. Recorded Temp.	90.0 F
Estimated Surface Temp.	N/A
Time Well Ready	1000
Time Logger on Bottom	1600
Equipment Number	24-3
Location	SCHUMACHER
Recorded By	RIDER
Witnessed By	N/A

Permanent Datum: TOP OF CSG
Log Measured From: TOP OF CSG
Drilling Measured From: N/A

Casing Record	Size	Weight	From	To
Surface String	13 3/8"	48.5#/	0'	470'
Prod. String	5 1/2"	15.5#/	0'	6587'
Liner				
Production String				

Tubing Record	Size	Weight	From	To
	2 7/8"	6.5#/	470'	6191'

Bit Record	Size	From	To
	12 1/4"	0'	470'
	7 7/8"	470'	6587'

SCHLUMBERGER

Type Log	CBL
Depth-Driller	6587
Depth-Logger	6587
Bottom Logged Interval	6587
Top Logged Interval	0
Type Fluid in Hole	OIL
Salinity, PPM Cl	N/A
Density	0.0
Fluid Level	N/A
Max. Recorded Temp.	90.0 F
Time Well Ready	N/A
Time Logger on Bottom	N/A
Equipment Number	N/A
Location	N/A
Recorded By	N/A
Witnessed By	N/A

Run Number	Bit	From	To
ONE	7 7/8"	470'	6587'

Casing Record	Size	Weight	From	To
Surface String	13 3/8"	48.5#/	0'	470'
Prod. String	5 1/2"	15.5#/	0'	6587'
Liner				
Production String				

Tubing Record	Size	Weight	From	To
	2 7/8"	6.5#/	470'	6191'

Elevation: KB: 33ft. / DF: / GL: 13ft. / CSG: / CSG Flange: / Tbg: / Tbg Flange: / Other:

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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

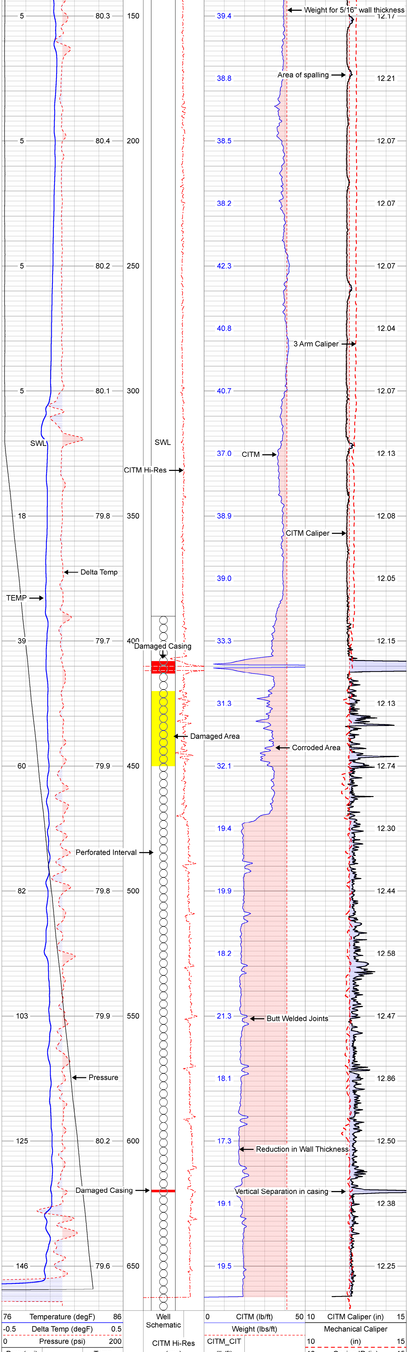
The area from 470 ft to total depth can be either a reduction in wall thickness or an increase in the amount of perforations/ft. Perfroation type was not available at time of this survey.

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

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

Database File: c:\users\owner\desktop\databases\16000-16099\16056.db
Dataset Pathname: CITM.2
Presentation Format: citm
Dataset Creation: Fri Jul 01 16:35:36 2011 by Calc Open-Cased 090629
Charted by: Depth in Feet scaled 1:240