

WELL LOGS

K Z

API number:	30-025-39103		
OGRID:		Operator:	TORCH ENERGY SERVICES INC
		Property:	COOPER JAL UNIT # 512

surface	ULSTR:	H	24	T	24S	R	36E
			1600	FNL	300	FEL	

BH Loc	ULSTR:	H	24	T	24S	R	36E
			1600	FNL	300	FEL	

Ground Level:	3299	DF:	na	KB:	na	
Datum:	GL			TD:	3700	

Land: STATE

Completion Date: (1)

Date Logs Received: 10/24/2008

Date Logs Due in: (2)

Confidential:	NO			Date out:	
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Confidential period 90 Days for State & Fee, 1 Year for federal

Date Due In (1) is equal to Completion Date (1) + 20 days

Logs	Depth interval		
CNL/GR/CCL	1150	3660	Compensated Neutron Gama Ray CCL LOG
CBL/GR/CCL	250	3660	Cement Bond Gama Ray CCL LOG

K Z

OCD TOPS

Rustler	1162	Strawn		
Tansill		Atoka		
Yates	2994	Morrow		
7 rvrs	3220			
		Austin		
		Chester		
Queen	3631	Miss Lime		
Penrose				
Grayburg				
San Andres		Base Jalmat Pool	3381	
Glorieta		Top Langlie Mattix	3381	
Paddock		Queen	3631	
Blinbry				
Tubb		Area Vertical Limits: from a point 250' above the base		
Drinkard		Seven Rivers to the base of the Queen Formation in		
Abo		Sec 13: SE/4NE/4, SE/4; Sec 24: E/2, E/2SE/4;		
Wolfcamp		Sec 25: NE/4		

RECEIVED

OCT 14 2008

HOBBS (11)

ROD
RIC
CORPORATION

Post Office Box 1767
Midland, Texas 79702
(432) 682-7880

Well Name & Number: Cooper Jal Unit #512

Unit H

30-025-39103

Operator: Torch Energy Services

Attention: Drilling Department

Location: 1600 FNL & 300 FEL, Section 24, T-24-S, R-36-E

The undersigned hereby certifies that he/she is an authorized representative of the drilling contractor who drilled the above described well and that he/she has conducted the deviation tests and obtained the following results:

RECORD OF INCLINATION

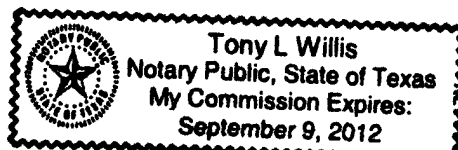
*11. Measured Depth (feet)	12. Course Length (Hundreds of feet)	*13. Angle of Inclination (Degrees)	14. Displacement per Hundred Feet (Sine of Angle X 100)	15. Course Displacement (feet)	16. Accumulative Displacement (feet)
500	500	0.75	1.31	6.55	6.55
982	482	0.50	0.87	4.19	10.74
1,170	188	0.50	0.87	1.64	12.38
1,490	320	0.75	1.31	4.19	16.57
1,990	500	0.75	1.31	6.55	23.12
2,251	261	1.00	1.75	4.57	27.69
2,536	285	0.75	1.31	3.73	31.42
2,759	223	1.25	2.18	4.86	36.28
2,980	221	1.75	3.05	6.74	43.02
3,234	254	1.25	2.18	5.54	48.56
3,488	254	1.25	2.18	5.54	54.10
3,742	254	1.00	1.75	4.45	58.55

Drilling Contractor: Rod Ric Corporation

By:

Fred Schwiening III
Fred Schwiening III - Vice President

Subscribed and sworn to me before this 6th day of October, 2008.



My Commission Expires: 9/9/2012

Midland County, Texas