

WELL LOGS

 K_Z

API number:	30-025-38202			
OGRID:		Operator:	TORCH ENERGY SERVICES INC	
		Property:	JAL COOPER UNIT	# 509

surface	ULSTR: J	18	T 24S	R 37E
		1370 FSL	1368 FEL	

BH Loc	ULSTR: J	18	T	24S	R	37E
		1370	FSL	1368	FEL	

Ground Level:	3299	DF:	3310	KB:	3311
Datum:	KB			TD:	3755

Land: **FEE**

Completion Date: (1) **3/6/2007**

Date Logs Received:	6/5/2008
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L A T F

Date Logs Due in: (2)	3/26/2007
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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		
MPD/MDN	100	3731	Compensated Neutron Photo Density GR
MLE/MMR	410	3745	Dual Laterolog Micro Laterolog

 K_z

OCD TOPS

Rustler	1219	Strawn			
Tansill	2810	Atoka			
Yates	2980	Morrow			
7R	3229				
T. Bowers Sd					
B. Bowers Sd					
Queen	3600	Top Jalmat	2810		
Penrose		Base Jalmat	3500		
Grayburg		Top Langlie Mattix	3500		
San Andres		Queen	3600		
Glorieta		Base Lang:ie Mattix	nd		
Tubb					
Drinkard					
Abo					
Wolfcamp					

TEACO DRILLING INC.

P O. BOX 1500 (505) 3910699 FAX (505) 391- 3824 HOBBS, NEW MEXICO 88241

INCLINATION REPORT

DATE: 1/11/07

WELL NAME AND NUMB JAL COOPER UNIT #509
LOCATION LEA COUNTY, NEW MEXICO
OPERATOR: TORCH ENERGY
DRILLING CONTRACTOR TEACO DRILLING INC.

RECEIVED

JUN 05 2008

HOBBS OCD

THE UNDERSIGNED HEREBY CERTIFIES THAT HE IS AN AUTHORIZED REPRESENTATIVE OF THE DRILLING CONTRACTOR WHO DRILLED THE ABOVE DESCRIBED WELL AND THAT HE HAS CONDUCTED DEVIATION TEST AND OBTAINED THE FOLLOWING RESULTS:

DEGREE	DEPTH	DEGREE	DEPTH	DEGREE	DEPTH
<u>1</u>	<u>931</u>	<u>2.75</u>	<u>3240</u>		
<u>0.75</u>	<u>1392</u>	<u>2.75</u>	<u>3460</u>		
<u>1</u>	<u>1612</u>	<u>3647</u>	<u>2.25</u>		
<u>1</u>	<u>1800</u>				
<u>0.75</u>	<u>2015</u>				
<u>1.75</u>	<u>2200</u>				
<u>2.5</u>	<u>2389</u>				
<u>3</u>	<u>2579</u>				
<u>4</u>	<u>2800</u>				
<u>3.5</u>	<u>2987</u>				

J-18-24s-37e
1370/s & 1368/e
30-025-38202

DRILLING CONTRACTOR:
TEACO DRILLING INCORPORATED

BY: Bob Wegner
BOB WEGNER
DRILLING SUPERINTENDANT

SUBSCRIBED AND SWORN TO BEFORE ME ON THE 11th DAY OF January ~~2006~~ 2007

MY COMMISSION EXPIRES.

8-30-08Monica BozylKZ