

WELL LOGS

K Z

API number:	30-005-28026			
OGRID:		Operator:	CIMAREX ENERGY CO OF COLORADO	
		Property:	KINAHAN 20 FEDERAL	# 3

surface	ULSTR:	N	20	T	15S	R	30E
			660	FSL	1650	FWL	

BH Loc	ULSTR:	N	20	T	15S	R	30E
			660	FSL	1650	FWL	

Ground Level:	3966	DF:	3983	KB:	3984	
Datum:	KB			TD:	10496	

Land: **FEDERAL**

Completion Date: (1) **8/27/2008**

Date Logs Received: **10/14/2008**

LATE

Date Logs Due in: (2) **9/16/2008**

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		
DSN/SDL	200	10478	Spectral Density Dual Spaced Neutron
DLL/MGRD	3026	10475	Dual Laterolog Micro Guard Log
BSAT	3026	10426	Borehole Sonic Array Tool

K Z

OCD TOPS

Rustler	475	Strawn	9844	
Tansill		Atoka		
Yates	1419	Morrow	10218	
7R	1640			
T. Bowers Sd				
B. Bowers Sd				
Queen	1961			
Penrose				
Grayburg				
San Andres				
Glorieta	4310			
Tubb	5622			
Drinkard	5940			
Abo	6429			
Wolfcamp	7730			

OPERATOR
WELL/LEASE
COUNTY

CIMAREX ENERGY CORPORATION
KINAHAN FED 20
CHAVES

RIG 623

3-N-20-15s-30e
660/5 & 1650/1e

STATE OF NEW MEXICO
DEVIATION REPORT

30-005-28026

193	0.25	8,041	0.70
383	0.75	8,198	1.60
624	1.00	8,329	1.60
875	1.00	8,471	1.80
1,285	0.50	8,574	1.60
1,688	0.50	8,699	1.60
2,037	1.00	8,720	1.50
2,437	0.75	8,846	1.60
2,785	1.00	8,948	1.70
3,398	1.00	9,032	1.50
3,800	0.50	9,135	1.10
4,068	0.80	9,234	1.80
4,381	0.20	9,483	2.00
5,069	0.60	9,791	1.00
5,345	1.00	10,398	1.00
5,790	0.40		
5,947	0.40		
6,229	0.60		
6,886	1.90		
6,949	1.80		
7,043	1.60		
7,356	0.80		
7,387	0.70		
7,419	1.40		
7,450	1.40		
7,637	0.30		
7,760	0.30		
7,822	0.40		
7,946	1.20		

STATE OF TEXAS

COUNTY OF MIDLAND

BY

The foregoing instrument was acknowledged before me on
Moore on behalf of Patterson-UTI Drilling Company LLC.

OCTOBER 6, 2008, by Steve

Joni D. Hodges
Notary Public for Midland County, Texas
My Commission Expires: 4/11/11

