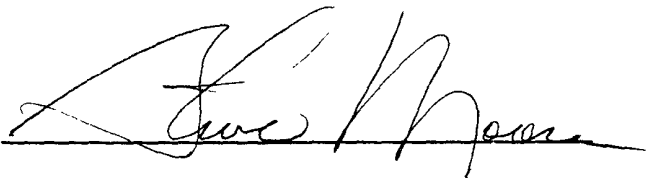


OPERATOR Corkran Energy, LP.
WELL/LEASE Frontier 9 Fed. Com #1
COUNTY Eddy

STATE OF NEW MEXICO
DEVIATION REPORT

176	0.75	5,937	1.40	8,007	4.00
369	1.75	5,969	1.20	8,039	4.10
591	0.50	6,001	0.80	8,071	4.10
997	0.25	6,064	1.30	8,102	2.70
1,471	0.75	6,127	0.70	8,134	2.00
1,962	1.00	6,191	0.80	8,165	2.30
2,031	1.50	6,222	1.90	8,197	2.30
2,221	1.50	6,317	2.10	8,229	2.20
2,346	1.00	6,349	1.80	8,261	2.60
2,823	1.50	6,412	3.00	8,301	3.10
3,262	1.70	6,444	4.60	8,338	2.30
3,762	3.10	6,476	4.20	8,370	1.50
3,798	4.20	6,507	3.80	8,402	1.00
3,807	3.10	6,539	2.40	8,434	0.30
3,848	4.30	6,602	2.60	8,497	1.40
3,879	2.60	6,634	0.80	8,529	0.60
3,942	2.30	6,666	0.90	8,592	1.50
4,005	2.60	6,697	1.70	8,655	2.60
4,127	0.90	6,761	2.50	8,686	1.80
4,191	1.50	6,824	1.50	8,717	1.60
4,226	2.50	6,856	1.70	8,749	2.20
4,287	2.80	6,887	2.70	8,780	1.90
4,318	2.50	6,919	2.80	8,843	0.30
4,390	3.50	6,951	2.70	8,875	1.00
4,446	2.70	6,982	2.30	8,907	0.80
4,508	2.30	7,014	2.30	8,938	2.30
4,635	1.90	7,045	1.50	8,970	1.20
4,666	2.20	7,077	0.90	9,002	1.30
4,698	0.40	7,140	2.50	9,034	1.60
4,729	0.30	7,186	2.30	9,097	0.30
4,824	0.80	7,216	3.80	9,065	2.00
4,950	2.20	7,248	4.00	9,129	1.40
5,044	0.90	7,280	2.40	9,161	2.00
5,108	1.40	7,343	4.60	9,187	1.10
5,171	1.40	7,406	2.50	9,192	2.20
5,202	3.60	7,438	1.20	9,224	1.60
5,234	3.30	7,469	1.90	9,255	2.20
5,265	2.70	7,533	1.90	9,287	3.00
5,296	1.80	7,596	2.70	9,318	2.50
5,328	1.40	7,627	2.10	9,381	3.70
5,423	3.10	7,691	0.60	9,413	3.50
5,486	2.50	7,722	1.20	9,445	3.80
5,454	3.50	7,754	0.50	9,476	2.50
5,518	1.50	7,786	2.50	9,508	1.10
5,581	1.30	7,818	1.30	9,540	0.50
5,612	0.40	7,849	1.50	9,571	0.70
5,652	1.70	7,881	0.90	9,599	1.90
5,779	1.20	7,912	2.40	9,601	2.20
5,842	2.80	7,954	2.20	9,631	4.70
5,906	1.60	7,986	3.80	9,663	6.50

9,695	6.70
9,712	6.80
9,758	6.70
9,821	7.70
9,894	11.10
9,957	11.80
9,925	11.60
9,989	12.10
10,020	12.50
10,052	12.40
10,084	12.10

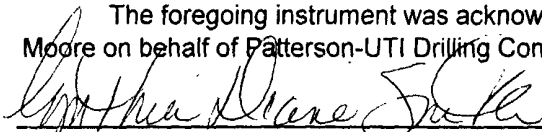
BY: 

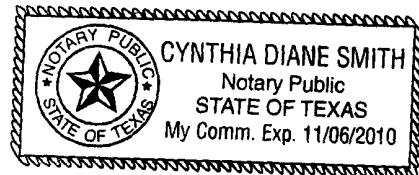
STATE OF TEXAS

COUNTY OF MIDLAND

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

August 18, 2009 , by Steve


Notary Public for Midland County, Texas
My Commission Expires: 11/06/2010



HALLIBURTON

DIRECTIONAL SURVEY

COMPANY	CORKRAN ENERGY LP
WELL	FRONTIER 9 FEDERAL COM No. 1
FIELD	HUAPECHE, MORROW
COUNTY	EDDY
STATE	NEW MEXIC
COMPANY	CORKRAN ENERGY LP
WELL	FRONTIER 9 FEDERAL COM No. 1
FIELD	HUAPECHE, MORROW
COUNTY	EDDY
STATE	NEW MEXIC
API No	30-015-35920
Location	1890' FSL & 1980' FEL
Other Services	SDL/DSN/CSNG
Sect	9
Twp	23S
Rge	22E

Permanent Datum	GL	Elev	4603.0 ft
Log measured from	KB	17.0 ft	above perm. datum
Drilling measured from	KB		
Elev. :	K B.	4620.0 ft	
	D F.	4619.0 ft	
	G.L.	4603.0 ft	

Date	20-Jan-08			
Run No	TWO			
Depth - Driller	10150.0 ft			
Depth - Logger	10130.0 ft			
Bottom - Logged Interval	10128 ft			
Top - Logged Interval	5000 ft			
Casing - Driller	9.625 i @ 2008.0	@	@	@
Casing - Logger	1998.0 ft			
Bit Size	8.750 in			
Type Fluid in Hole	BRINE			
Dens. Visc	1.11 g/			
Ph Fluid Loss	9.00 pH			
Source of Sample	FLOWLINE			
Rm @ Meas. Temp.	0.07 oh @ 45.00	@	@	@
Rmf @ Meas. Temp.	0.06 oh @ 45.00	@	@	@
Rmc @ Meas. Temp.	0.08 oh @ 45.00	@	@	@
Source Rmf Rmc	MEAS MEAS			
Rm @ BHT	0.02 oh @ 150.0	@	@	@
Time Since Circ.	12 hr			
Time on Bottom	01/20 2030			
Max. Rec. Temp.	153 @	@	@	@
Equip. Location	595 pv			
Recorded By	J.MENDEZ			
Witnessed By	UV JONES			

— Fold Here

Service Ticket No.: 5630507 API Serial No.: 30-015-35920 PGM Version: WL INSITE

DIRECTIONAL INFORMATION

Maximum Deviation deg. @ KOP

Remarks:

HALLIBURTON DOES NOT GUARANTEE THE ACCURACY OF ANY INTERPRETATION OF THE LOG DATA, CONVERSION OF LOG DATA TO PHYSICAL ROCK PARAMETERS OR RECOMMENDATIONS WHICH MAY BE GIVEN BY HALLIBURTON PERSONNEL OR WHICH APPEAR ON THE LOG OR IN ANY OTHER FORM. ANY USER OF SUCH DATA, INTERPRETATIONS, CONVERSIONS, OR RECOMMENDATIONS AGREES THAT HALLIBURTON IS NOT RESPONSIBLE EXCEPT WHERE DUE TO GROSS NEGLIGENCE OR WILLFUL MISCONDUCT, FOR ANY LOSS, DAMAGES, OR EXPENSES RESULTING FROM THE USE THEREOF.

HALLIBURTON