

**Appendix K:
Formation Fluid Analyses**



ARDINAL LABORATORIES

PHONE (575) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR
DCP MIDSTREAM
ATTN: RUSSELL BENTLEY
11221 RICHMOND AVE., SUITE 107C
HOUSTON, TX 77082
FAX TO:

Receiving Date: 12/26/07
Reporting Date: 01/07/08
Project Owner: LINAM
Project Name: LINAM RANCH AG1
Project Location: NOT GIVEN

Sampling Date: NOT GIVEN
Sample Type: GROUNDWATER
Sample Condition: INTACT
Sample Received By: ML
Analyzed By: HM/KS

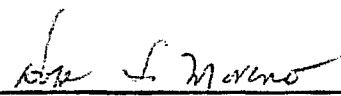
LAB NUMBER	SAMPLE ID	Na (mg/L)	Ca (mg/L)	Mg (mg/L)	K (mg/L)	Conductivity (uS/cm)	T-Alkalinity (mgCaCO ₃ /L)
ANALYSIS DATE:		01/02/08	01/02/08	01/02/08	01/02/08	12/27/07	12/27/07
H13978-1	FLOWBACK	23,854	1,360*	363*	3,670*	98,500	160*
H13978-2	DOWNHOLE	24,909	1,760*	424*	535*	94,800	324
Quality Control		NR	49.2	54.0	3.19	1,424	NR
True Value QC		NR	50.0	50.0	3.00	1,413	NR
% Recovery		NR	98.5	108	106	101	NR
Relative Percent Difference		NR	< 0.1	6.1	10.2	0.9	NR

METHODS:	SM3500-Ca-D	3500-Mg E	8049	120.1	310.1
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	Cl ⁻ (mg/L)	SO ₄ (mg/L)	CO ₃ (mg/L)	HCO ₃ (mg/L)	pH (s.u.)	TDS (mg/L)	
ANALYSIS DATE:	12/31/07	12/31/07	12/27/07	12/27/07	12/27/07	01/07/08	
H13978-1	FLOWBACK	41,500*	2,720*	0	195*	6.46	72,480
H13978-2	DOWNHOLE	40,000*	4,145	0	395	6.73	73,412
Quality Control		500	27.8	NR	1000	7.06	NR
True Value QC		500	25.0	NR	1000	7.00	NR
% Recovery		100	111	NR	100	101	NR
Relative Percent Difference		< 0.1	17.4	NR	< 0.1	< 0.1	NR

METHODS:	SM4500-Cl-B	375.4	310.1	310.1	150.1	160.1
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* Note: Analyses performed on 1:10 v:v aqueous extracts.
Results should therefore be considered approximate.



Chemist

01-07-08

Date



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 DCP MIDSTREAM
 ATTN: RUSSELL BENTLEY
 11221 RICHMOND AVE., SUITE 107C
 HOUSTON, TX 77082
 FAX TO:

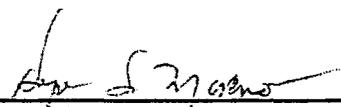
Receiving Date: 12/26/07
 Reporting Date: 01/16/08
 Project Number: NOT GIVEN
 Project Name: LINAM
 Project Location: LINAM RANCH AG1

Sampling Date: NOT GIVEN
 Sample Type: GROUNDWATER
 Sample Condition: INTACT
 Sample Received By: ML
 Analyzed By: HM

LAB NUMBER	SAMPLE ID	Ba (ppm)	Fe (ppm)	Sr (ppm)	Zn (ppm)
ANALYSIS DATE		01/11/08	01/11/08	01/11/08	01/11/08
H13978-1	FLOWBACK	< 10.0 *	240 *	203 *	1.37 *
H13978-2	DOWNHOLE	< 1.00	67.0	93.0	0.157
Quality Control		23.3	2.04	1.97	0.503
True Value QC		25.0	2.00	2.00	0.500
% Accuracy		93.2	102	98.5	101
Relative Percent Difference		1.3	0.4	1.7	1.2

METHODS:	EPA 600/4-79-020	208.1	236.1	SW846-7780	289.1
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*Note: Analysis performed on 1:10 v:v aqueous extract. Result should therefore be considered an approximation.



 Chemist

01-16-08

 Date

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