



30-039-06621

Magna Energy Services 116 E. Twilight Dr. Farmington NM, 87401	Project Name: 210 Wells Cross Timbers Energy Project Number: 11181-0001 Project Manager: Shawn Bohannon	Reported: 28-Feb-14 17:22
--	---	------------------------------

~~MUL-19~~ **MKL 19**
P402055-02 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Cation/Anion Analysis									
pH @16.4°C	9.62		pH Units	1	1408021	02/21/14 16:07	02/21/14 16:07	EPA 150.1	
Electrical Conductivity	3710		umhos/cm	1	1408021	02/21/14 16:07	02/21/14 16:23	EPA 120.1	
Total Dissolved Solids	3340		mg/L	1	1409002	02/24/14	02/24/14	EPA 160.1	
Sodium Absorption Ratio	15.3		N/A	1	1409024	02/28/14	02/28/14	[CALC]	
Total Alkalinity as CaCO3	160	100	mg/L	10	1409003	02/24/14	02/24/14	Hach Method 8203	
Total Hardness as CaCO3	826	0.07	mg/L		[CALC]	02/26/14	02/28/14	[CALC]	
Bicarbonate as CaCO3	160	100	mg/L	10	1409003	02/24/14	02/24/14	Hach Method 8203	
Carbonate as CaCO3	ND	10.0	mg/L	1	1409003	02/24/14	02/24/14	Hach Method 8203	
Hydroxide as CaCO3	ND	10.0	mg/L	1	1409003	02/24/14	02/24/14	Hach Method 8203	
Nitrate-N	ND	1.00	mg/L	5	1408022	02/21/14 16:34	02/21/14 21:29	EPA 300.0	
Nitrite-N	ND	0.50	mg/L	5	1408022	02/21/14 16:34	02/21/14 21:29	EPA 300.0	
Chloride	12.3	5.00	mg/L	5	1408022	02/21/14	02/21/14	EPA 300.0	
Fluoride	0.75	0.50	mg/L	5	1408022	02/21/14	02/21/14	EPA 300.0	
o-Phosphate	ND	10.0	mg/L	5	1408022	02/21/14 16:34	02/21/14 21:29	EPA 300.0	
Sulfate	2270	20.0	mg/L	5	1408022	02/21/14	02/21/14	EPA 300.0	
Iron	0.02	0.01	mg/L	1	1409009	02/26/14	02/28/14	EPA 6010C	
Calcium	330	0.01	mg/L	1	1409009	02/26/14	02/28/14	EPA 6010C	
Magnesium	0.41	0.01	mg/L	1	1409009	02/26/14	02/28/14	EPA 6010C	
Potassium	7.67	0.01	mg/L	1	1409009	02/26/14	02/28/14	EPA 6010C	
Sodium	1010	0.01	mg/L	1	1409009	02/26/14	02/28/14	EPA 6010C	

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc.

5796 US Highway 64, Farmington, NM 87401

Ph (505) 632-0615 Fx (505) 632-1865

Three Springs • 65 Mercado Street, Suite 115, Durango, CO 81301

Ph (970) 259-0615 Fx (800) 362-1879

envirotech-inc.com
laboratory@envirotech-inc.com

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720

State of New Mexico
Energy, Minerals and Natural Resources Department
Oil Conservation Division Hobbs District Office

BRADENHEAD TEST REPORT

Operator Name CROSS TIMBERS ENERGY, LLC	API Number 30-039-06621
Property Name MKL	Well No. 19

Surface Location

UL - Lot B	Section 08	Township 26N	Range 07W	Feet from 990	N/S Line FNL	Feet From 1650	E/W Line FEL	County RIO ARriba
----------------------	----------------------	------------------------	---------------------	-------------------------	------------------------	--------------------------	------------------------	-----------------------------

Well Status

Well Status ACTIVE	SHUT-IN	PRODUCING	DATE 3/4/2014
------------------------------	---------	-----------	-------------------------

OPEN BRADENHEAD AND INTERMEDIATE TO ATMOSPHERE INDIVIDUALLY FOR 15 MINUTES EACH

OBSERVED DATA

If bradenhead flowed water, check all of the descriptions that apply:

	(A) Surf-Interm	(B) Interm(1)-Interm(2)	(C) Interm-Prod	(D) Prod Casing	(E) Tubing
Pressure					
Flow Characteristics					
Puff	Y / N	Y / N	Y / N	Y / N	
Steady Flow	Y / N	Y / N	Y / N	Y / N	
Surges	Y / N	Y / N	Y / N	Y / N	
Down to nothing	Y / N	Y / N	Y / N	Y / N	
Gas or Oil	Y / N	Y / N	Y / N	Y / N	
Water	Y / N	Y / N	Y / N	Y / N	

If bradenhead flowed water, check all of the descriptions that apply:

CLEAR	FRESH	SALTY	SULFUR	BLACK
-------	-------	-------	--------	-------

Remarks:

INJECTING AT THIS TIME ___ WTR, ___ GAS, ___ CO2

See Attached

Signature: <i>Robbie A. Grigg</i>	OIL CONSERVATION DIVISION
Printed name: Robbie A Grigg	Entered into RBDMS
Title: Regulatory Compliance	Re-test
E-mail Address: rgrigg@msspartners.com	
Date: 3/7/2014	Phone: 817-334-7842
Witness:	