



FOUNDATION
ENERGY MANAGEMENT, LLC

Foundation Energy Management, LLC
16000 North Dallas Parkway, Suite 875
Dallas, Texas 75248

July 20, 2016

Colorado Oil and Gas Corporation Commission
1120 Lincoln Street, Suite 801
Denver, Colorado 80203
ATTN: Rob Young

RE: SPILL ID# 442769

Dear Mr. Rob Young,

Foundation Energy Management, LLC (Foundation) is submitting the sampling results for the Spill ID# 442769, Hilltop #32-5.

Below is a table that outlines what samples we took and their thresholds. Attached to this letter is the complete sampling report and a map of where the samples were taken.

Location of Sample	Depth of Sample	Tested for	Sample Taken Date	Sample Result	Table 910-1 Standard	Below Standards?
Middle 2 (1366760)	6-36"	pH	7/15/2016	7.4	6-9	YES
South 2 (1366762)	6-36"	pH	7/15/2016	7	6-9	YES
Middle 2 (1366760)	6-36"	SAR	7/15/2016	0.23	< 12	YES
South 2 (1366762)	6-36"	SAR	7/15/2016	0.28	< 12	YES
Middle 2 (1366760)	6-36"	EC	7/15/2016	0.34	< 4 mmhos/cm or 2x Background	YES
South 2 (1366762)	6-36"	EC	7/15/2016	0.2	< 4 mmhos/cm or 2x Background	YES

Please contact me at (918) 526-5591 or cohair@foundationenergy.com if you have any questions.

Regards,

Caitlin O'Hair
HSE/Regulatory Tech

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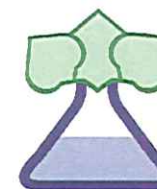
American Agricultural Laboratory, Inc.

40469
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www.AmAgLab.com



NAME : FOUNDATION ENERGY

DATE RECEIVED: 07/15/2016

DATE REPORTED: 07/19/2016

SOIL TEST RESULTS

LAB NUMBER	FIELD IDENTIFICATION	SAMPLE IDENTIFICATION	Depth Inches	pH		LIME REC T/A 60% ECCE		EL	SOLUBLE SALTS mod. SP mmhos/cm	OM LOI %	NITRATE-N (FIA)		PHOSPHORUS				
				1 : 1 Soil	Buffer Woodruff	Legume	Non Legume				ppm	lbs/A	P1 ppm	Bicarb ppm	P2 ppm	M2 ppm	M3 ppm
1374914	HILLTOP 32 5	MIDDLE	6-36	7.4				N	0.34								
1374915	HILLTOP 32 5	SOUTH	6-36	7.0				N	0.20								

LAB NUMBER	SULFATE-S Ca-P ppm	NH4OAc (Exchangeable)				DTPA				BORON Sorbitol ppm	EST. CATION EXCHANGE CAPACITY (CEC) me/100g	% SATURATION					
		K ppm	Ca ppm	Mg ppm	Na ppm	Zn ppm	Fe ppm	Mn ppm	Cu ppm			BASE	H	Ca	Mg	K	Na
1374914										0.2							
1374915										0.2							

LAB NUMBER	SOLUBLE (SAT. EXT.)			SODIUM ADSORPTION RATIO (SAR)	EXCH. SODIUM PERCENT (ESP)	GYPSUM REQ T/A	PARTICLE SIZE ANALYSIS				CHLORIDE		EXCH. NH4-N		ALUMINUM ppm	TOTAL N %
	Ca me/L	Mg me/L	Na me/L				SAND %	SILT %	CLAY %	SOIL TEXTURE	ppm	lbs/A	ppm	lbs/A		
1374914	1.34	0.36	0.21	0.23	1	0.0										
1374915	0.56	0.16	0.17	0.28	1	0.0										

SUGGESTED FERTILIZER RECOMMENDATIONS

LAB NUMBER	FIELD IDENTIFICATION	SAMPLE IDENTIFICATION	CROP TO BE GROWN	YIELD GOAL	N lbs/A	P2O5 lbs/A	K2O lbs/A	S lbs/A	Zn lbs/A	MgO lbs/A	Fe lbs/A	Mn lbs/A	Cu lbs/A	B lbs/A	Cl lbs/A
1374914	HILLTOP 32 5	MIDDLE													
1374915	HILLTOP 32 5	SOUTH													

Analysis By: American Agricultural Lab

Recommendations By: American Agricultural Lab

Hilltop 32-5
leak 1 and 2

