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

July 20, 2015

DAVID MATTHEWS

CHEVRON - HOBBS

1616 W. BENDER

HOBBS, NM 88240

RE: MORAN 2 - 6

Enclosed are the results of analyses for samples received by the laboratory on 07/14/15 15:13.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-13-5. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in dark ink that reads "Celey D. Keene". The signature is fluid and cursive, with the first name "Celey" and last name "Keene" clearly distinguishable.

Celey D. Keene

Lab Director/Quality Manager

Analytical Results For:

 CHEVRON - HOBBS
 DAVID MATTHEWS
 1616 W. BENDER
 HOBBS NM, 88240
 Fax To:

 Received: 07/14/2015
 Reported: 07/20/2015
 Project Name: MORAN 2 - 6
 Project Number: NONE GIVEN
 Project Location: LEA COUNTY, NM

 Sampling Date: 07/14/2015
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: A - 3' (H501793-01)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	07/17/2015	ND	432	108	400	7.69	
TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	07/16/2015	ND	199	99.7	200	4.27	
DRO >C10-C28	<10.0	10.0	07/16/2015	ND	202	101	200	11.1	
Surrogate: 1-Chlorooctane	76.3 %	47.2-157							
Surrogate: 1-Chlorooctadecane	77.0 %	52.1-176							

Sample ID: A - 4' (H501793-02)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	07/17/2015	ND	432	108	400	7.69	
TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	07/16/2015	ND	199	99.7	200	4.27	
DRO >C10-C28	<10.0	10.0	07/16/2015	ND	202	101	200	11.1	
Surrogate: 1-Chlorooctane	77.0 %	47.2-157							
Surrogate: 1-Chlorooctadecane	67.1 %	52.1-176							

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

CHEVRON - HOBBS
DAVID MATTHEWS
1616 W. BENDER
HOBBS NM, 88240
Fax To:

Received: 07/14/2015
Reported: 07/20/2015
Project Name: MORAN 2 - 6
Project Number: NONE GIVEN
Project Location: LEA COUNTY, NM

Sampling Date: 07/14/2015
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: B-3' (H501793-03)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	07/17/2015	ND	432	108	400	7.69	
TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	07/16/2015	ND	199	99.7	200	4.27	
DRO >C10-C28	<10.0	10.0	07/16/2015	ND	202	101	200	11.1	
Surrogate: 1-Chlorooctane	68.9 %	47.2-157							
Surrogate: 1-Chlorooctadecane	57.5 %	52.1-176							

Sample ID: B-4' (H501793-04)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	07/16/2015	ND	416	104	400	0.00	
TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	07/16/2015	ND	199	99.7	200	4.27	
DRO >C10-C28	<10.0	10.0	07/16/2015	ND	202	101	200	11.1	
Surrogate: 1-Chlorooctane	74.6 %	47.2-157							
Surrogate: 1-Chlorooctadecane	78.6 %	52.1-176							

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

CHEVRON - HOBBS
DAVID MATTHEWS
1616 W. BENDER
HOBBS NM, 88240
Fax To:

Received: 07/14/2015
Reported: 07/20/2015
Project Name: MORAN 2 - 6
Project Number: NONE GIVEN
Project Location: LEA COUNTY, NM

Sampling Date: 07/14/2015
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: C-3' (H501793-05)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	07/16/2015	ND	416	104	400	0.00	
TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	339	10.0	07/16/2015	ND	199	99.7	200	4.27	
DRO >C10-C28	4360	10.0	07/16/2015	ND	202	101	200	11.1	

Surrogate: 1-Chlorooctane 127 % 47.2-157

Surrogate: 1-Chlorooctadecane 104 % 52.1-176

Sample ID: C-4' (H501793-06)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	560	16.0	07/16/2015	ND	416	104	400	0.00		
TPH 8015M		mg/kg		Analyzed By: MS						S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	137	50.0	07/16/2015	ND	199	99.7	200	4.27		
DRO >C10-C28	3970	50.0	07/16/2015	ND	202	101	200	11.1		

Surrogate: 1-Chlorooctane 94.7 % 47.2-157

Surrogate: 1-Chlorooctadecane 183 % 52.1-176

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Analytical Results For:

 CHEVRON - HOBBS
 DAVID MATTHEWS
 1616 W. BENDER
 HOBBS NM, 88240
 Fax To:

 Received: 07/14/2015
 Reported: 07/20/2015
 Project Name: MORAN 2 - 6
 Project Number: NONE GIVEN
 Project Location: LEA COUNTY, NM

 Sampling Date: 07/14/2015
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: D-3' (H501793-07)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	07/16/2015	ND	416	104	400	0.00	
TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	13.5	10.0	07/16/2015	ND	199	99.7	200	4.27	
DRO >C10-C28	267	10.0	07/16/2015	ND	202	101	200	11.1	

Surrogate: 1-Chlorooctane 88.1 % 47.2-157

Surrogate: 1-Chlorooctadecane 81.7 % 52.1-176

Sample ID: D-4' (H501793-08)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	07/16/2015	ND	416	104	400	0.00	
TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	24.8	10.0	07/16/2015	ND	199	99.7	200	4.27	
DRO >C10-C28	604	10.0	07/16/2015	ND	202	101	200	11.1	

Surrogate: 1-Chlorooctane 88.9 % 47.2-157

Surrogate: 1-Chlorooctadecane 90.2 % 52.1-176

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 CHEVRON - HOBBS
 DAVID MATTHEWS
 1616 W. BENDER
 HOBBS NM, 88240
 Fax To:

 Received: 07/14/2015
 Reported: 07/20/2015
 Project Name: MORAN 2 - 6
 Project Number: NONE GIVEN
 Project Location: LEA COUNTY, NM

 Sampling Date: 07/14/2015
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: E-3' (H501793-09)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	07/16/2015	ND	416	104	400	0.00	
TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	07/16/2015	ND	199	99.7	200	4.27	
DRO >C10-C28	126	10.0	07/16/2015	ND	202	101	200	11.1	
Surrogate: 1-Chlorooctane	88.6 %	47.2-157							
Surrogate: 1-Chlorooctadecane	80.3 %	52.1-176							

Sample ID: E-4' (H501793-10)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	07/16/2015	ND	416	104	400	0.00	
TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	07/17/2015	ND	182	90.8	200	2.44	
DRO >C10-C28	139	10.0	07/17/2015	ND	190	94.8	200	2.41	
Surrogate: 1-Chlorooctane	86.5 %	47.2-157							
Surrogate: 1-Chlorooctadecane	89.6 %	52.1-176							

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

CHEVRON - HOBBS
DAVID MATTHEWS
1616 W. BENDER
HOBBS NM, 88240
Fax To:

Received: 07/14/2015
Reported: 07/20/2015
Project Name: MORAN 2 - 6
Project Number: NONE GIVEN
Project Location: LEA COUNTY, NM

Sampling Date: 07/14/2015
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: G-3' (H501793-11)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	07/16/2015	ND	416	104	400	0.00	
TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	07/17/2015	ND	182	90.8	200	2.44	
DRO >C10-C28	<10.0	10.0	07/17/2015	ND	190	94.8	200	2.41	
Surrogate: 1-Chlorooctane	66.7 %	47.2-157							
Surrogate: 1-Chlorooctadecane	76.5 %	52.1-176							

Sample ID: G-4' (H501793-12)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	07/16/2015	ND	416	104	400	0.00	
TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	07/17/2015	ND	182	90.8	200	2.44	
DRO >C10-C28	<10.0	10.0	07/17/2015	ND	190	94.8	200	2.41	
Surrogate: 1-Chlorooctane	79.4 %	47.2-157							
Surrogate: 1-Chlorooctadecane	90.2 %	52.1-176							

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 CHEVRON - HOBBS
 DAVID MATTHEWS
 1616 W. BENDER
 HOBBS NM, 88240
 Fax To:

 Received: 07/14/2015
 Reported: 07/20/2015
 Project Name: MORAN 2 - 6
 Project Number: NONE GIVEN
 Project Location: LEA COUNTY, NM

 Sampling Date: 07/14/2015
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: F-3' (H501793-13)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	304	16.0	07/16/2015	ND	416	104	400	0.00		
TPH 8015M		mg/kg		Analyzed By: MS						S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	3230	100	07/17/2015	ND	182	90.8	200	2.44		
DRO >C10-C28	9920	100	07/17/2015	ND	190	94.8	200	2.41		

Surrogate: 1-Chlorooctane 179 % 47.2-157

Surrogate: 1-Chlorooctadecane 149 % 52.1-176

Sample ID: F-4' (H501793-14)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	272	16.0	07/16/2015	ND	416	104	400	0.00		
TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	6200	100	07/17/2015	ND	182	90.8	200	2.44		
DRO >C10-C28	18100	100	07/17/2015	ND	190	94.8	200	2.41		

Surrogate: 1-Chlorooctane 228 % 47.2-157

Surrogate: 1-Chlorooctadecane 238 % 52.1-176

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Celey D. Keene, Lab Director/Quality Manager

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CHEVRON - HOBBS
DAVID MATTHEWS
1616 W. BENDER
HOBBS NM, 88240
Fax To:

Received: 07/14/2015
Reported: 07/20/2015
Project Name: MORAN 2 - 6
Project Number: NONE GIVEN
Project Location: LEA COUNTY, NM

Sampling Date: 07/14/2015
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: H-3' (H501793-15)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	07/16/2015	ND	416	104	400	0.00	
TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	07/17/2015	ND	182	90.8	200	2.44	
DRO >C10-C28	<10.0	10.0	07/17/2015	ND	190	94.8	200	2.41	
Surrogate: 1-Chlorooctane	81.5 %	47.2-157							
Surrogate: 1-Chlorooctadecane	74.7 %	52.1-176							

Sample ID: H-4' (H501793-16)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	07/16/2015	ND	416	104	400	0.00	
TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	07/17/2015	ND	182	90.8	200	2.44	
DRO >C10-C28	<10.0	10.0	07/17/2015	ND	190	94.8	200	2.41	
Surrogate: 1-Chlorooctane	78.8 %	47.2-157							
Surrogate: 1-Chlorooctadecane	87.2 %	52.1-176							

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

CHEVRON - HOBBS
DAVID MATTHEWS
1616 W. BENDER
HOBBS NM, 88240
Fax To:

Received: 07/14/2015
Reported: 07/20/2015
Project Name: MORAN 2 - 6
Project Number: NONE GIVEN
Project Location: LEA COUNTY, NM

Sampling Date: 07/14/2015
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: I-3' (H501793-17)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	07/16/2015	ND	416	104	400	0.00	
TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<100	100	07/17/2015	ND	182	90.8	200	2.44	
DRO >C10-C28	2460	100	07/17/2015	ND	190	94.8	200	2.41	
<hr/>									
Surrogate: 1-Chlorooctane		76.1 %	47.2-157						
Surrogate: 1-Chlorooctadecane		167 %	52.1-176						

Sample ID: I-4' (H501793-18)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	07/16/2015	ND	416	104	400	0.00	
TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	141	50.0	07/17/2015	ND	182	90.8	200	2.44	
DRO >C10-C28	3360	50.0	07/17/2015	ND	190	94.8	200	2.41	
Surrogate: 1-Chlorooctane	97.5 %	47.2-157							
Surrogate: 1-Chlorooctadecane	120 %	52.1-176							

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Notes and Definitions

S-06	The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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Celey D. Keene, Lab Director/Quality Manager



CARDINAL Laboratories

101 East Marland, Hobbs, NM 88240

(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: <u>Charron</u>		P.O. #:		BILL TO																																							
Project Manager: <u>David Matthews</u>		Company:		ANALYSIS REQUEST																																							
Address:		Attn:																																									
City:		Address:																																									
Phone #:		City:																																									
Fax #:		State:																																									
Project #:		Zip:																																									
Project Name: <u>Moran 2-6</u>		Project Owner:																																									
Project Location:		State:																																									
Sampler Name:		Phone #:																																									
FOR LAB USE ONLY		Fax #:																																									
Lab I.D.		Sample I.D.		(G)RAB OR (C)OMP.		# CONTAINERS		GROUNDWATER		WASTEWATER		SOIL		OIL		SLUDGE		OTHER :		ACID/BASE:		ICE / COOL		OTHER :		DATE		TIME		IPH													
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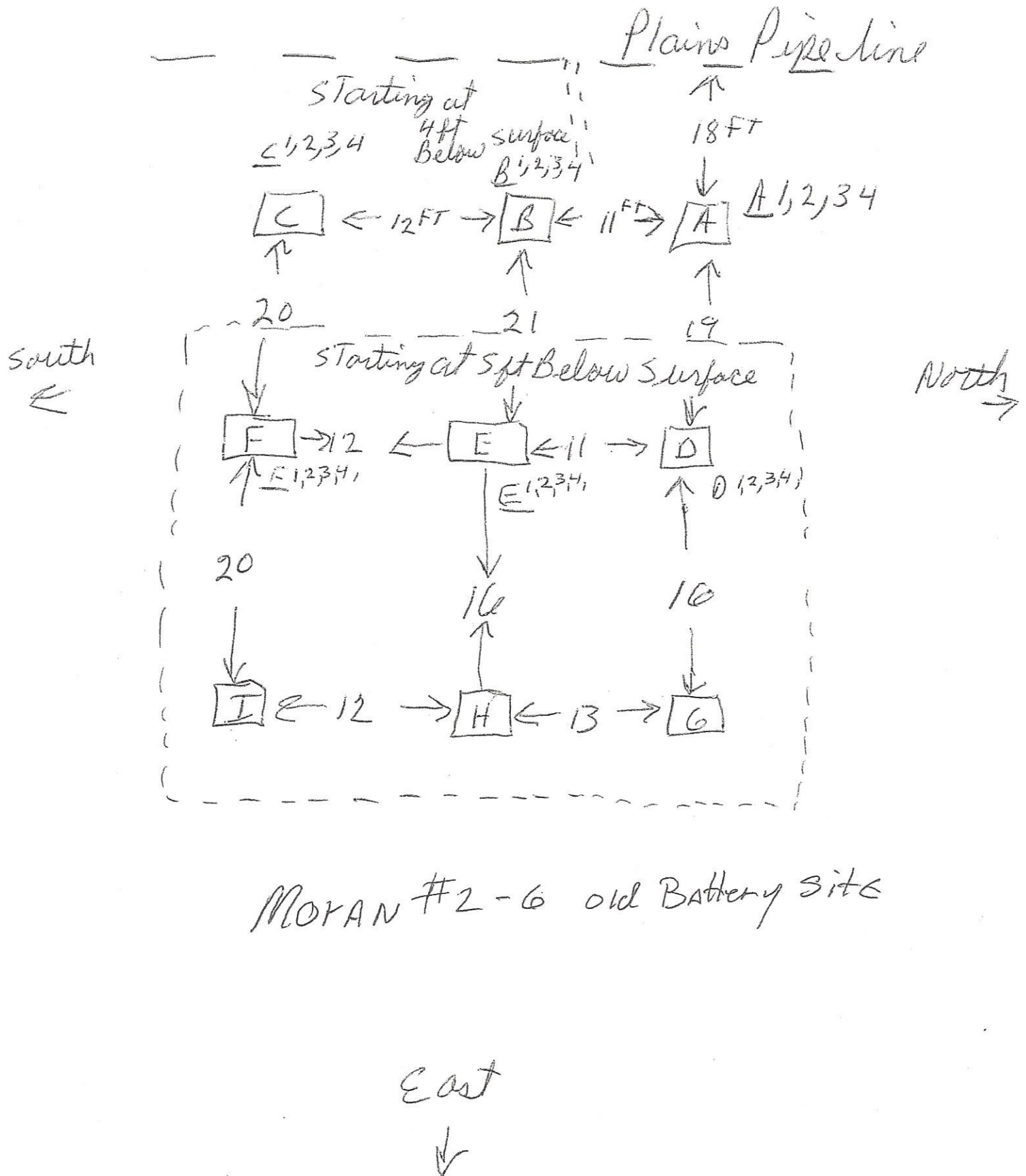
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† Cardinal cannot accept verbal changes. Please fax written changes to (575) 398-2326

West



MORAN #2-6 old Battery site