



SOUTH FLORIDA WATER MANAGEMENT DISTRICT

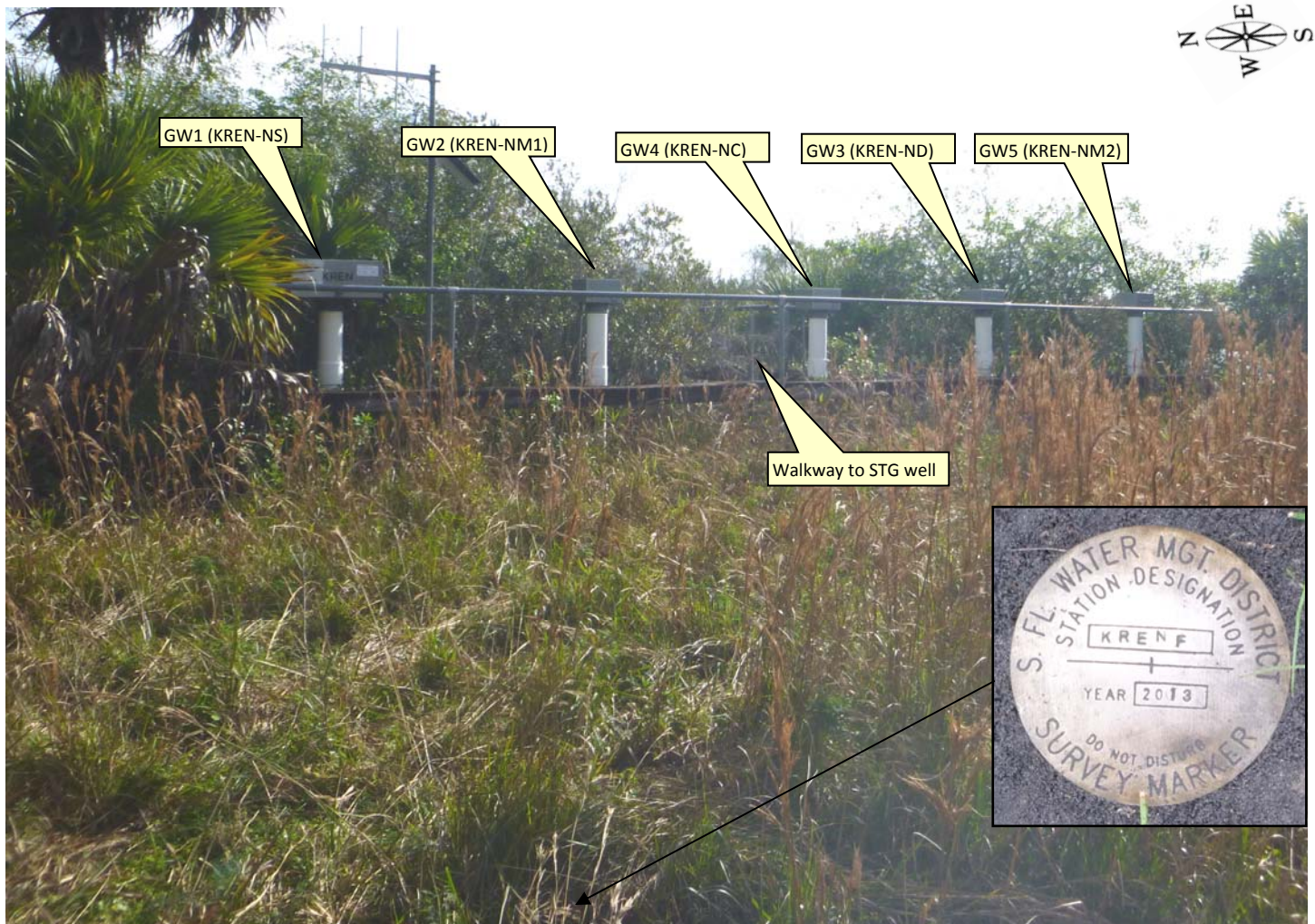
Rev. 1/16

Site Name: KREN		Date of Field Work: 04- feb-16
Party Chief: Clanton	Field Book: Misc 6Y	Page 7
Site Benchmark: KRENF	Benchmark Elevation (NAVD88) 48.61	Corpscon 6.0.1 Conversion Factor (NAVD88 to NGVD29) +1.188
Reference Elevation(s) (NAVD88): 53.58 STG 52.96 GW1 (KREN-NS) 53.04 GW2 (KRE-NM1) STG 3 53.01 GW3 (KRE-ND) STG 4 53.03 GW4 (KRE-NC) 53.22 GW5 (KRE-NM2)	Existing Tag Elevation (Datum): GW1-GW5 the datum is not given 53.56 STG (stamped NAVD88 2-11-14 CSDG offset +1.19) 54.22 GW1 54.29 GW2 (KRE-NM1) STG3 54.28 GW3 (KRE-ND) STG 4 54.27 GW4 (KRE-NC) 54.48 GW5 (KRE-NM2)	
Ground Elevation (NAVD88): 48.81 at benchmark		
Latitude: 27° 45'02.2 " (approximate center of walkway)		Longitude: 81° 10' 37.6"

Notes:
NAVD88 – North American Vertical Datum of 1988
NGVD29- National Geodetic Vertical Datum of 1929
Corpscon 6.0.1 – A MS-Windows-based program to convert coordinates and elevations between datum's

PICTURES

Overall Site



From benchmark looking Southwest



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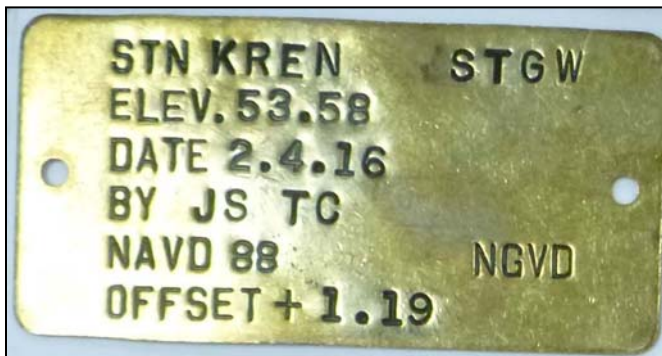
Old Brass Tags and Reference Mark



Stage well and Staff gauge



Old Brass Tags to be removed



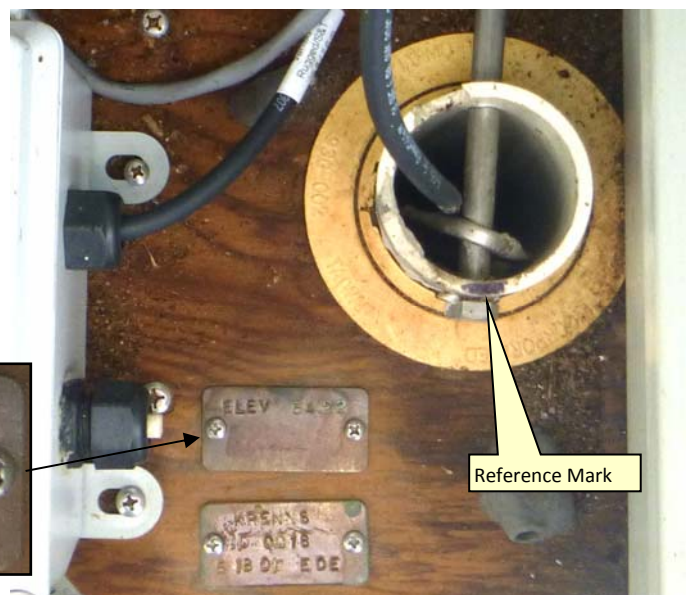
New STG Brass tag to be set

Looking Easterly

New GW1 (KREN-NS) Brass Tag to be set



Old GW1 (KREN-NS) Brass Tags and Reference Mark



Old brass tag to be removed

Reference Mark



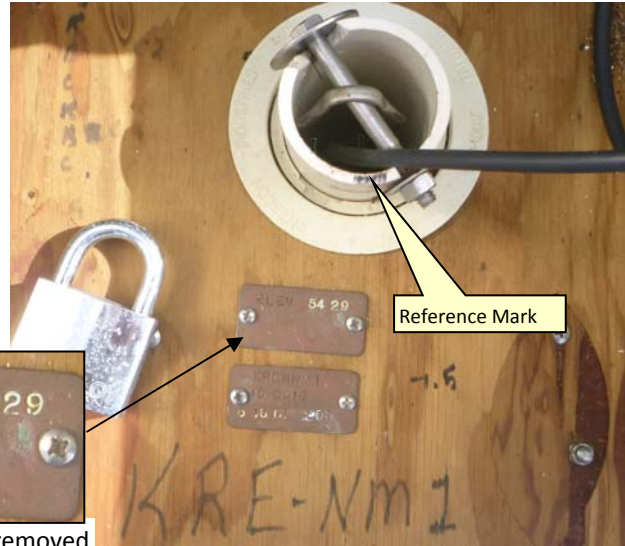
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New GW2 (KRE-NM1) STG3 Brass Tag to be set

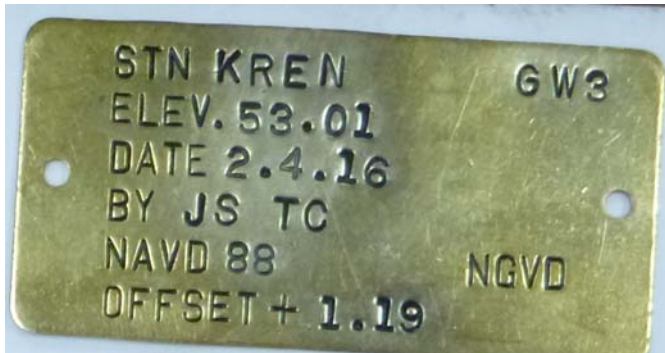


Old GW2 (KRE-NM1) STG3 Brass Tags and Reference Mark

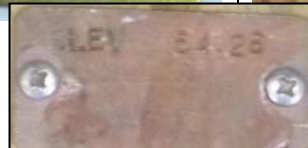
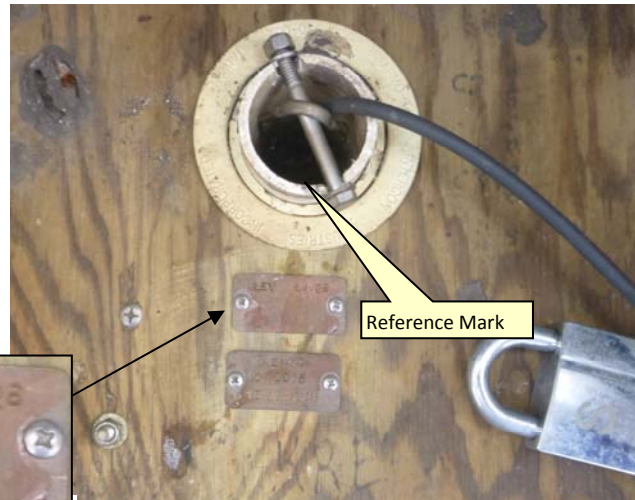


Old brass tag to be removed

New GW3 (KRE-ND) STG 4 Brass Tag Close to be set



Old GW3 (KRE-ND) STG 4 Brass Tags and Reference Mark

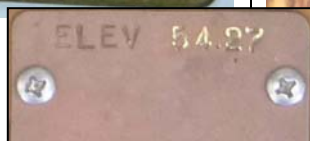
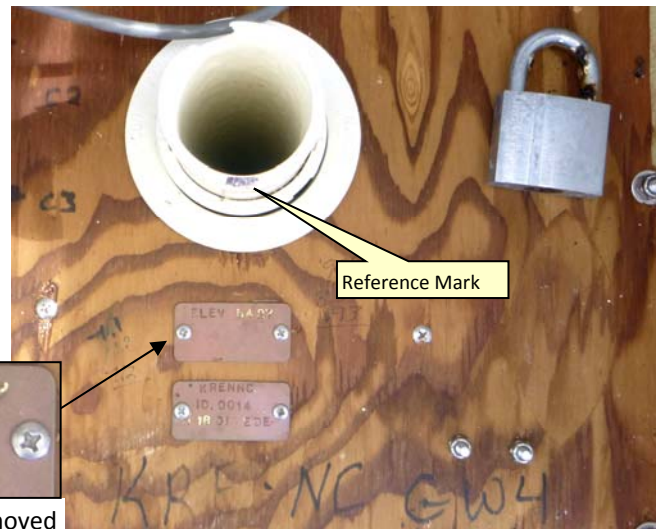


Old brass tag to be removed

New GW4 (KRE-NC) Brass Tag Close to be set



Old GW4 (KRE-NC) Brass Tags and Reference Mark



Old brass tag to be removed



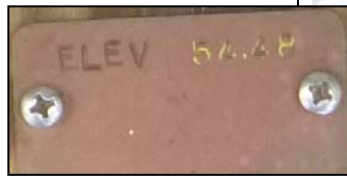
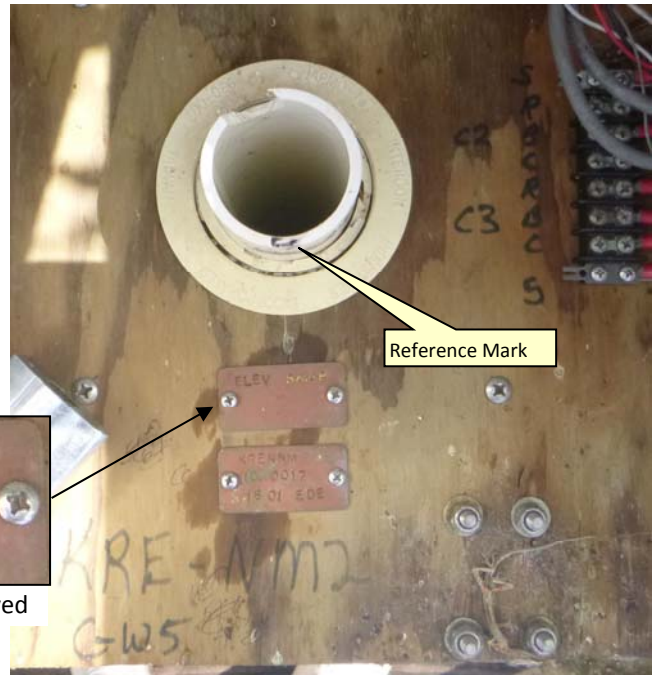
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New GW5 (KRE-NM2) Brass Tag Close be set



Old GW5 (KRE-NM2) Brass Tags and Reference Mark



Old brass tag to be removed

Reference Mark

SEC	25	TWP	31	RGE	31
ESTABLISH NAVD 88 ELEV @ KREN					
GROUND WATER WELL SITE					
STA	+	HI	-	ELEV	BM ELEV.
BM					48.61 NAVD 88
GW1			1.54	52.96	
GW2			1.46	53.04	
GW4			1.47	53.03	
GW3			1.49	53.01	
GW5			1.28	53.22	
STG			0.92	53.58	
TPW			8.90	45.60	
GRND			8.0	46.5	
BM			5.89	48.61	

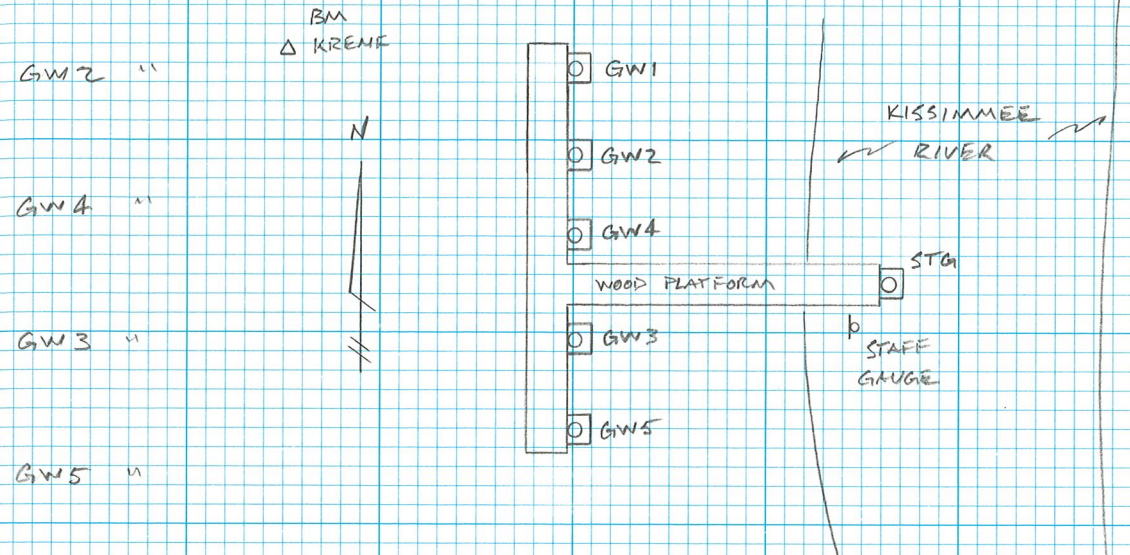
T. CLANTON
STRICKLAND

O/S = +1.19 AS PER A.R.

COMMENTS

BM KREN SEWIND BRASS DISK STAMPED "KREN 2013"
0.2' BELOW GROUND IN GOOD COND

GW1 2" PVC PIPE REF MARK ON TOP OF PIPE



KREN STG REF MARK TOP OF PLYWOOD PLATFORM

TOP OF WATER
STAFF GAUGE READS 45.60

GROUND ELEV @ WELLS

BM KREN "SAME AS ABOVE"



SOUTH FLORIDA WATER MANAGEMENT DISTRICT

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COUNTY POLK	PROJECT	DESIGNATION KRENF
SECTION <u>25</u>	TOWNSHIP <u>31</u> SOUTH	RANGE <u>31</u> EAST
NAME OF QUADRANGLE <u>LAKE MARIAN SW</u>		
Established by <u>CIVILSURV DESIGN GROUP, INC</u> (Surveyor / Firm Name)		Recovered by <u>CIVILSURV DESIGN GROUP, INC</u> (Surveyor / Firm Name)
DATE <u>9/23/13</u> (Established or Recovered)	FIELD BOOK _____ PAGE _____	
HORIZONTAL DATUM: 1927 <u>1983</u> ADJ _____ Other _____ (circle one) ZONE <u>E</u> or W		
STATE PLANE COORDINATES	N 000,000.000 ft	E 000,000.000 ft
LATITUDE: N 27° 45' 02"	LONGITUDE: W 81° 10' 38"	
VERTICAL DATUM: MSL 1929 <u>1988</u> Other _____ (circle one)	EL. 48.61 ft	
VERTICAL DATUM: MSL <u>1929</u> 1988 Other _____ (circle one)	EL. ft	
CONTROL ACCURACY: HORIZONTAL 1 2 3 <u>SUB-METER</u> (circle one) VERTICAL 1 <u>2</u> <u>3</u>		
DESCRIPTION		
<p>To Reach:</p> <p>THE MARK IS AT A WATER GAUGE PLATFORM ON THE KISSIMMEE RIVER ABOUT 3.9 MI SOUTH OF THE INTERSECTION OF STATE ROAD 60 AND THE KISSIMMEE RIVER IN ESTIMATED SECTION 25, TOWNSHIP 31 SOUTH, RANGE 31 EAST.</p> <p>TO REACH THE MARK FROM THE INTERSECTION OF STATE ROAD 60 AND RIVER RANCH BOULEVARD, PROCEED APPROXIMATELY 2.95 MILES SOUTHERLY ALONG RIVER RANCH BOULEVARD TO THE INTERSECTION OF TWO GATED ROADS ON THE RIGHT, PROCEED ALONG THE SECOND DIRT ROAD FOR APPROXIMATELY 1.9 MILES TO A ROCK ROAD ON THE LEFT, THENCE FOLLOW SAID ROCK ROAD FOR APPROXIMATELY 2350 FEET TO AN EXISTING GAUGE PLATFORM. THE MARK IS APPROXIMATELY 75 FEET WESTERLY OF SAID PLATFORM AND 15.0 FEET NORTHEASTERLY OF A 5" OAK, AND 30 FEET SOUTHEASTERLY OF A MARSH.</p> <p>NGS Benchmarks Used: Z 460 KR 1559</p>		
Notable Land marks:		
SKETCH		



PICTURE



1- close up of the disk or Rod stamping



2- A picture (about 10 feet away) that shows the mark in relationship to the well

REGISTRATION WORKSHEET - KREN Addendum

Site Name: **KREN** Today's Date: **2/17/2016** Type Recorder:
 Activity: **Addendum** Effective Date: Start Date of Data :
 Customer: **SCADA Maintenance** Bus. Area: **SCADA** Agency: **SFWM** Internal Order:
 Project Manager: **Amelia Rodriguez** Bus. Area: **Survey** Agency: **SFWM** Fund:
 Project Name: **VDUP** Legal Mandate: Contract #:

Short Common Name / Description:

Proj. Mgr. Notes: Installed new NAVD 88 staff gauge on 2014. This new addendum is to add the ground water wells left by the staff gauge contractor. T +1.19

Site Directions: TO REACH THE MARK FROM THE INTERSECTION OF STATE ROAD 60 AND RIVER RANCH BOULEVARD, PROCEED A MILES SOUTHERLY ALONG RIVER RANCH BOULEVARD TO THE INTERSECTION OF TWO GATED ROADS ON THE RIGHT. FOLLOW THE SECOND DIRT ROAD FOR APPROXIMATELY 1.9 MILES TO A ROCK ROAD ON THE LEFT, THENCE FOLLOW SAID ROAD APPROXIMATELY 2350 FEET TO AN EXISTING GAUGE PLATFORM.

Site Address (if any):

Transportation: **Std Vehicle** Lock type or combination: **Abloy S** #

Recorder Location/Purpose: **Stand-Alone Recorder (Non-Flow Site)** Structure Type:

Array ID Configuration table attached

SURVEY INFORMATION

B.M. Elevation: **48.610** Date: **9/23/2013** Stamp: **KRENF**
 Agency: **SFWM** Type: **BRASS** Datum: **NA**

Benchmark Location/ Description: THE MARK IS APPROXIMATELY 75 FEET WESTERLY OF SAID PLATFORM AND 15.0 FEET NORTHEASTERLY OF A 5" DIA. ROD. THE MARK IS APPROXIMATELY 15.0 FEET SOUTHEASTERLY OF A MARSH.

COMMUNICATIONS INFORMATION

Communications System: **Loggernet** Loggernet Server: **0** Loggernet IP Address:
 Tower: **ACMET** Communication Type: R.F. Code/Modem Address: R.F. Access Point:
 Phone Number:
 RTU Address: Gateways:

WELL INFORMATION

Sensor	Customer Ref	Ref Elev	Elev Date	Top of Well	Bottom of Well	Ground Elev	Benchmark Elev	Benchmark Datum	Ref Elevation Location
STG1	KRENS	53.58 ft	2/4/2016				48.61 ft	NAVD 88	Mark on stilling well denoted by brass tag.
GW1	KRENNS	52.96 ft	2/4/2016			46.5 ft	48.61 ft	NAVD 88	Top of well
GW2	KRENNM1	53.04 ft	2/4/2016			46.5 ft	48.61 ft	NAVD 88	Top of well
GW3	KRENND	53.01 ft	2/4/2016			46.5 ft	48.61 ft	NAVD 88	Top of well
GW4	KRENNC	53.03 ft	2/4/2016			46.5 ft	48.61 ft	NAVD 88	Top of well
GW5	KRENNM2	53.22 ft	2/4/2016			46.5 ft	48.61 ft	NAVD 88	Top of well

Sensor	GW Sensor Location Offset	Meas Pt Elevation	GW Land Elevation	Depth of Well	Type of Well	Top of Monitored Interval	Base of Monitored Interval	Parameter Transmitted						
STG1														
GW1														
GW2														
GW3														
GW4														
GW5														

COORDINATE INFORMATION

Item/Parm	Lat	Long	X-Coord	Y-Coord	Sec	Township	Range	Quad	Basin	County
STG1	27.7505555	81.1772222			25	31	31	LAKE MARIAN S		POLK
GW1	27.7505555	81.1772222			25	31	31	LAKE MARIAN S		POLK
GW2	27.7505555	81.1772222			25	31	31	LAKE MARIAN S		POLK
GW3	27.7505555	81.1772222			25	31	31	LAKE MARIAN S		POLK
GW4	27.7505555	81.1772222			25	31	31	LAKE MARIAN S		POLK
GW5	27.7505555	81.1772222			25	31	31	LAKE MARIAN S		POLK

CR10

[Redacted]

[Redacted]

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o convert to NGVD 29 add

PPROXIMATELY 2.95
GHT, PROCEED ALONG
ROCK ROAD FOR

[Redacted]

[Redacted]

[Redacted]

VD 88

OAK, AND 30 FEET

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