

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

February 01, 2023

CINDY CRAIN

CRAIN ENVIRONMENTAL

2925 E. 17TH STREET

ODESSA, TX 79761

RE: ERNIE BANKS SWD #1

Enclosed are the results of analyses for samples received by the laboratory on 01/18/23 15:00.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. 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/ga/lab_accred_certif.html.

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

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

Cardinal Laboratories is accredited through the State of New Mexico Environment Department for:

Method SM 9223-B	Total Coliform and E. coli (Colilert MMO-MUG)
Method EPA 524.2	Regulated VOCs and Total Trihalomethanes (TTHM)
Method EPA 552.2	Total Haloacetic Acids (HAA-5)

Accreditation applies to public drinking water matrices for State of Colorado and New Mexico.

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,

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:CRAIN ENVIRONMENTAL
2925 E. 17TH STREET
ODESSA TX, 79761Project: ERNIE BANKS SWD #1
Project Number: NONE GIVEN
Project Manager: CINDY CRAIN
Fax To: (432) 272-0304Reported:
01-Feb-23 13:56

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
ERNIE BANKS SWD #1	H230258-01	Water	18-Jan-23 12:10	18-Jan-23 15:00

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

CRAIN ENVIRONMENTAL
2925 E. 17TH STREET
ODESSA TX, 79761

Project: ERNIE BANKS SWD #1
Project Number: NONE GIVEN
Project Manager: CINDY CRAIN
Fax To: (432) 272-0304

Reported:
01-Feb-23 13:56

ERNIE BANKS SWD #1
H230258-01 (Water)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Alkalinity, Bicarbonate	830		5.00	mg/L	1	3010506	AC	20-Jan-23	310.1	
Alkalinity, Carbonate	<1.00		1.00	mg/L	1	3010506	AC	20-Jan-23	310.1	
Chloride*	13600		4.00	mg/L	1	3011328	AC	20-Jan-23	4500-Cl-B	
Conductivity*	39400		1.00	umhos/cm @ 25°C	1	3011905	AC	19-Jan-23	120.1	
pH*	7.18		0.100	pH Units	1	3011905	AC	19-Jan-23	150.1	
Temperature °C	21.3			pH Units	1	3011905	AC	19-Jan-23	150.1	
Sulfate*	1830		500	mg/L	50	3012401	AC	24-Jan-23	375.4	
TDS*	26300		5.00	mg/L	1	3011904	AC	20-Jan-23	160.1	
Alkalinity, Total*	680		4.00	mg/L	1	3010506	AC	20-Jan-23	310.1	

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	4.37		1.00	mg/L	0.1	3012412	MS	25-Jan-23	8015B	
DRO >C10-C28*	4.78		1.00	mg/L	0.1	3012412	MS	25-Jan-23	8015B	
EXT DRO >C28-C36	<1.00		1.00	mg/L	0.1	3012412	MS	25-Jan-23	8015B	
Surrogate: 1-Chlorooctane			75.9 %	48.8-131		3012412	MS	25-Jan-23	8015B	
Surrogate: 1-Chlorooctadecane			82.8 %	60.1-141		3012412	MS	25-Jan-23	8015B	

Green Analytical Laboratories**Total Recoverable Metals by ICP (E200.7)**

Calcium*	1030		5.00	mg/L	50	B230184	AES	30-Jan-23	EPA200.7	
Iron*	85.2		2.50	mg/L	50	B230184	AES	30-Jan-23	EPA200.7	
Magnesium*	303		5.00	mg/L	50	B230184	AES	30-Jan-23	EPA200.7	
Potassium*	172		50.0	mg/L	50	B230184	AES	30-Jan-23	EPA200.7	
Sodium*	7850		50.0	mg/L	50	B230184	AES	30-Jan-23	EPA200.7	

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

CRAIN ENVIRONMENTAL
2925 E. 17TH STREET
ODESSA TX, 79761

Project: ERNIE BANKS SWD #1
Project Number: NONE GIVEN
Project Manager: CINDY CRAIN
Fax To: (432) 272-0304

Reported:
01-Feb-23 13:56

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CRAIN ENVIRONMENTAL
2925 E. 17TH STREET
ODESSA TX, 79761

Project: ERNIE BANKS SWD #1
Project Number: NONE GIVEN
Project Manager: CINDY CRAIN
Fax To: (432) 272-0304

Reported:
01-Feb-23 13:56

Inorganic Compounds - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 3010506 - General Prep - Wet Chem**Blank (3010506-BLK1)**

Prepared: 05-Jan-23 Analyzed: 06-Jan-23

Alkalinity, Carbonate	ND	1.00	mg/L							
Alkalinity, Bicarbonate	5.00	5.00	mg/L							
Alkalinity, Total	4.00	4.00	mg/L							

LCS (3010506-BS1)

Prepared: 05-Jan-23 Analyzed: 06-Jan-23

Alkalinity, Carbonate	ND	2.50	mg/L				80-120			
Alkalinity, Bicarbonate	305	12.5	mg/L				80-120			
Alkalinity, Total	250	10.0	mg/L	250		100	80-120			

LCS Dup (3010506-BSD1)

Prepared: 05-Jan-23 Analyzed: 06-Jan-23

Alkalinity, Carbonate	ND	2.50	mg/L				80-120		20	
Alkalinity, Bicarbonate	305	12.5	mg/L				80-120	0.00	20	
Alkalinity, Total	250	10.0	mg/L	250		100	80-120	0.00	20	

Batch 3011328 - General Prep - Wet Chem**Blank (3011328-BLK1)**

Prepared & Analyzed: 13-Jan-23

Chloride	ND	4.00	mg/L							
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LCS (3011328-BS1)

Prepared & Analyzed: 13-Jan-23

Chloride	104	4.00	mg/L	100		104	80-120			
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LCS Dup (3011328-BSD1)

Prepared & Analyzed: 13-Jan-23

Chloride	100	4.00	mg/L	100		100	80-120	3.92	20	
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Batch 3011904 - Filtration**Blank (3011904-BLK1)**

Prepared: 19-Jan-23 Analyzed: 20-Jan-23

TDS	ND	5.00	mg/L							
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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

CRAIN ENVIRONMENTAL
2925 E. 17TH STREET
ODESSA TX, 79761

Project: ERNIE BANKS SWD #1
Project Number: NONE GIVEN
Project Manager: CINDY CRAIN
Fax To: (432) 272-0304

Reported:
01-Feb-23 13:56

Inorganic Compounds - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 3011904 - Filtration**LCS (3011904-BS1)**

Prepared: 19-Jan-23 Analyzed: 20-Jan-23

TDS	476		mg/L	495		96.2	80-120			
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Duplicate (3011904-DUP1)

Source: H230236-02

Prepared: 19-Jan-23 Analyzed: 20-Jan-23

TDS	1390	5.00	mg/L		1390			0.288	20	
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Batch 3011905 - General Prep - Wet Chem**LCS (3011905-BS1)**

Prepared & Analyzed: 19-Jan-23

pH	7.09		pH Units	7.00		101	90-110			
Conductivity	49300		uS/cm	50000		98.6	80-120			

Duplicate (3011905-DUP1)

Source: H230258-01

Prepared & Analyzed: 19-Jan-23

pH	7.22	0.100	pH Units	7.18				0.556	20	
Conductivity	40300	1.00	umhos/cm @ 25°C	39400				2.26	20	
Temperature °C	21.3		pH Units	21.3				0.00	200	

Batch 3012401 - General Prep - Wet Chem**Blank (3012401-BLK1)**

Prepared & Analyzed: 24-Jan-23

Sulfate	ND	10.0	mg/L							
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LCS (3012401-BS1)

Prepared & Analyzed: 24-Jan-23

Sulfate	21.3	10.0	mg/L	20.0		106	80-120			
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LCS Dup (3012401-BSD1)

Prepared & Analyzed: 24-Jan-23

Sulfate	22.2	10.0	mg/L	20.0		111	80-120	4.42	20	
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2925 E. 17TH STREET
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Project: ERNIE BANKS SWD #1
Project Number: NONE GIVEN
Project Manager: CINDY CRAIN
Fax To: (432) 272-0304

Reported:
01-Feb-23 13:56

Petroleum Hydrocarbons by GC FID - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
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Batch 3012412 - General Prep - Organics**Blank (3012412-BLK1)**

Prepared: 24-Jan-23 Analyzed: 25-Jan-23

GRO C6-C10	ND	1.00	mg/L						
DRO >C10-C28	ND	1.00	mg/L						
EXT DRO >C28-C36	ND	1.00	mg/L						
Surrogate: 1-Chlorooctane	3.85		mg/L	5.00		77.0	48.8-131		
Surrogate: 1-Chlorooctadecane	4.27		mg/L	5.00		85.4	60.1-141		

LCS (3012412-BS1)

Prepared: 24-Jan-23 Analyzed: 25-Jan-23

GRO C6-C10	42.5	1.00	mg/L	50.0		85.0	69.6-126		
DRO >C10-C28	43.8	1.00	mg/L	50.0		87.6	68.8-126		
Surrogate: 1-Chlorooctane	5.02		mg/L	5.00		100	48.8-131		
Surrogate: 1-Chlorooctadecane	5.06		mg/L	5.00		101	60.1-141		

LCS Dup (3012412-BSD1)

Prepared: 24-Jan-23 Analyzed: 25-Jan-23

GRO C6-C10	44.1	1.00	mg/L	50.0		88.1	69.6-126	3.62	16.8
DRO >C10-C28	43.4	1.00	mg/L	50.0		86.9	68.8-126	0.839	20.4
Surrogate: 1-Chlorooctane	5.09		mg/L	5.00		102	48.8-131		
Surrogate: 1-Chlorooctadecane	5.12		mg/L	5.00		102	60.1-141		

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CRAIN ENVIRONMENTAL
2925 E. 17TH STREET
ODESSA TX, 79761

Project: ERNIE BANKS SWD #1
Project Number: NONE GIVEN
Project Manager: CINDY CRAIN
Fax To: (432) 272-0304

Reported:
01-Feb-23 13:56

Total Recoverable Metals by ICP (E200.7) - Quality Control**Green Analytical Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B230184 - Total Recoverable by ICP**Blank (B230184-BLK1)**

Prepared: 25-Jan-23 Analyzed: 30-Jan-23

Iron	ND	0.050	mg/L							
Calcium	ND	0.100	mg/L							
Magnesium	ND	0.100	mg/L							
Potassium	ND	1.00	mg/L							
Sodium	ND	1.00	mg/L							

LCS (B230184-BS1)

Prepared: 25-Jan-23 Analyzed: 30-Jan-23

Iron	2.04	0.050	mg/L	2.00		102	85-115			
Magnesium	10.4	0.100	mg/L	10.0		104	85-115			
Potassium	4.15	1.00	mg/L	4.00		104	85-115			
Sodium	1.63	1.00	mg/L	1.62		101	85-115			
Calcium	2.08	0.100	mg/L	2.00		104	85-115			

LCS Dup (B230184-BSD1)

Prepared: 25-Jan-23 Analyzed: 30-Jan-23

Calcium	2.03	0.100	mg/L	2.00		102	85-115	2.40	20	
Sodium	1.60	1.00	mg/L	1.62		98.5	85-115	2.23	20	
Iron	2.01	0.050	mg/L	2.00		101	85-115	1.30	20	
Magnesium	10.3	0.100	mg/L	10.0		103	85-115	1.79	20	
Potassium	4.13	1.00	mg/L	4.00		103	85-115	0.462	20	

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Notes and Definitions

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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A handwritten signature in black ink, appearing to read "Celey D. Keene".

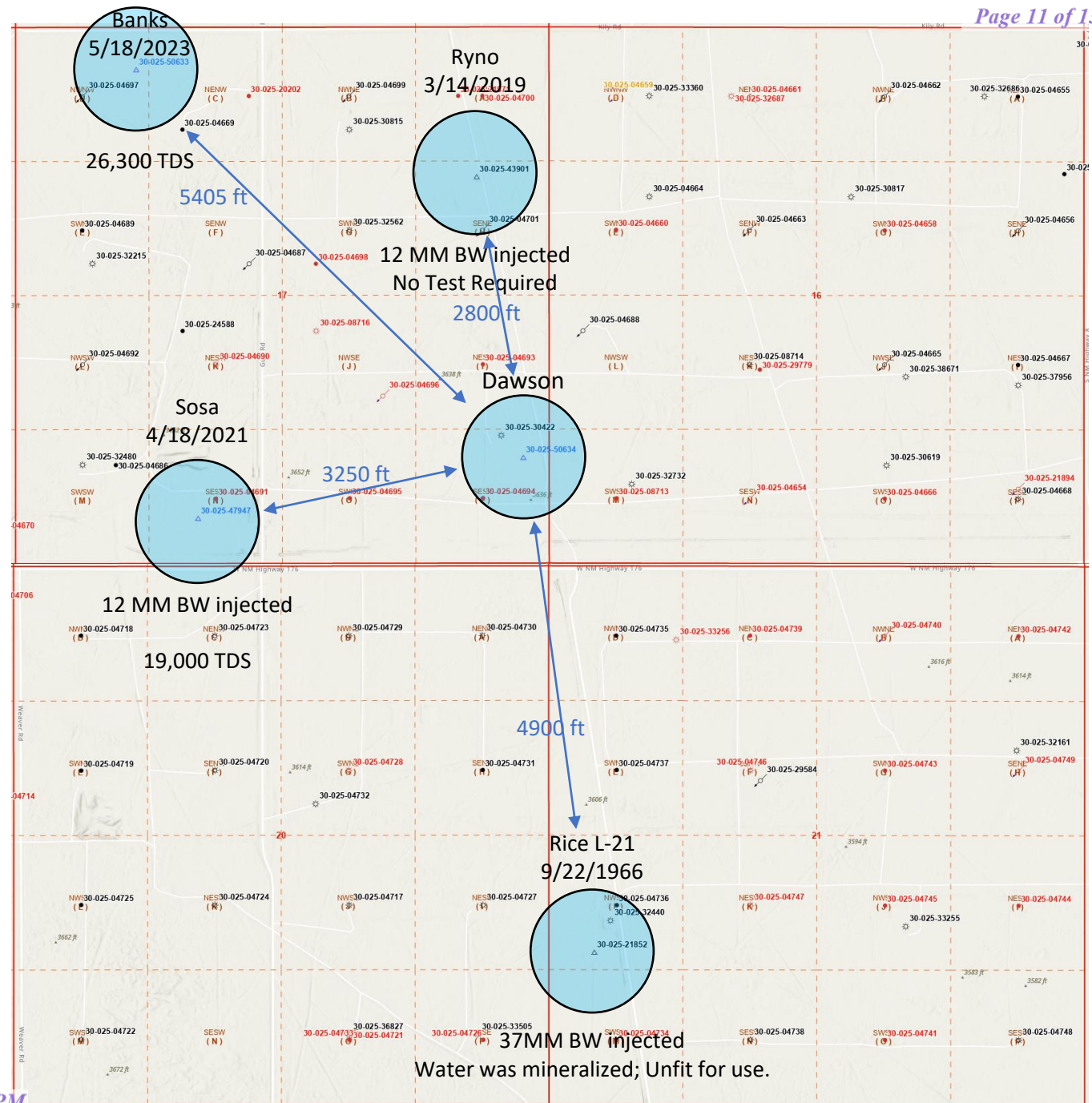
Celey D. Keene, Lab Director/Quality Manager

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]

San Andres Disposal

Showing location of wells.

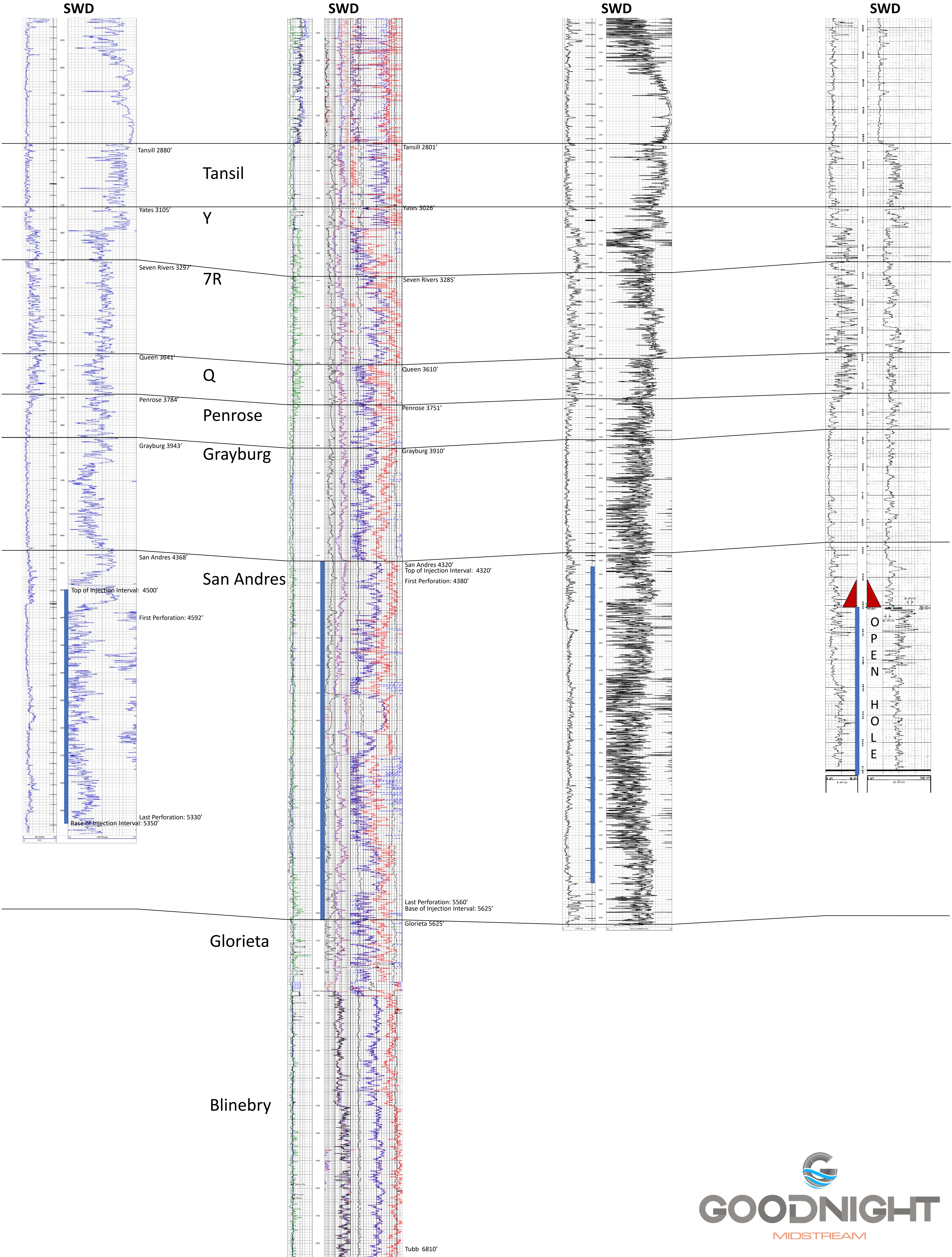


Goodnight Midstream Sosa #2
30-025-47947 N 17 21S 36E
KB: 3666 3/11/2021 TD: 5390

Goodnight Midstream Snyder (RYNO)
30-025-43901 H 17 21S 36E
KB: 3632 7/15/2018 TD: 11500

Goodnight Midstream Dawson
30-025-50634 P 17 21S 36E
KB: 3630 12/18/2022 TD: 5720

Rice Eng EME L-21 SWD
30-025-21852 L 21 21S 36E
KB: 3601 9/22/1966 TD: 5100



District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 283533

CONDITIONS

Operator: GOODNIGHT MIDSTREAM PERMIAN, LLC 5910 North Central Expressway Dallas, TX 75206	OGRID: 372311
	Action Number: 283533
	Action Type: [IM-SD] Admin Order Support Doc (ENG) (IM-AAO)

CONDITIONS

Created By	Condition	Condition Date
mgebremichael	None	11/7/2023