

Submit a Copy To Appropriate District  
Office  
District I – (575) 393-6161  
1625 N. French Dr., Hobbs, NM 88240  
District II – (575) 748-1283  
811 S. First St., Artesia, NM 88210  
District III – (505) 334-6178  
1000 Rio Brazos Rd., Aztec, NM 87410  
District IV – (505) 476-3460  
1220 S. St. Francis Dr., Santa Fe, NM  
87505

State of New Mexico  
Energy, Minerals and Natural Resources

Form C-103  
Revised July 18, 2013

OIL CONSERVATION DIVISION  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

WELL API NO.	30-015-44866
5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>	
6. State Oil & Gas Lease No.	
7. Lease Name or Unit Agreement Name Johelen SWD	
8. Well Number 1	
9. OGRID Number 371643	
10. Pool name or Wildcat SWD; Devonian	

SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)	
1. Type of Well: Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other SWD	
2. Name of Operator Solaris Water Midstream, LLC	
3. Address of Operator 9651 Katy Freeway, Suite 400, Houston, TX 77024	
4. Well Location Unit Letter <u>N</u> : <u>975</u> feet from the <u>South</u> line and <u>2373</u> feet from the <u>West</u> line Section <u>12</u> Township <u>26 S</u> Range <u>26 E</u> NMPM County <u>Eddy</u>	
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3,245' GR	

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input checked="" type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>	P AND A <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	MULTIPLE COMPL <input type="checkbox"/>	CASING/CEMENT JOB <input type="checkbox"/>	
DOWNHOLE COMMINGLE <input type="checkbox"/>			
CLOSED-LOOP SYSTEM <input type="checkbox"/>			
OTHER: <input type="checkbox"/>		OTHER: <input type="checkbox"/>	

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

Solaris Water Midstream has completed the workover on the above captioned well, finished with a successful bradenhead and MIT test on 05.17.2023. This original workover was planned to repair a suspected tubing leak, set an RBP to isolate the formation and packer, and perform a single positive/negative casing test since this is a newly acquired well. A current and proposed wellbore diagram are attached for reference and a more detailed explanation of the workover can be found in the attached cover letter.

Spud Date:

04/21/2018

Rig Release Date:

05/23/2018

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Lauren N. Bean TITLE Sr. Engineering Tech DATE 04/02/2024

Type or print name Lauren N. Bean E-mail address: lauren.bean@ariswater.com PHONE: 281-732-8785

**For State Use Only**

APPROVED BY: Kerry Fortner TITLE Compliance Officer A DATE 9/10/24

Conditions of Approval (if any):

<b>Metal One Corporation</b>  <b>Metal One</b>	<div style="text-align: center;"> <b>GEOCONN</b>  <b>COUPLING OD 6.050"</b>  <b>CONNECTION DATA SHEET</b> </div>		Page	45 - BL
			Date	7-May-19
			Rev.	N-1

**GEOCONN-SC**

**Geometry**

**Imperial**

**S.I.**

**Pipe Body**

Grade	P110		P110	
Pipe OD ( D )	5 1/2	in	139.70	mm
Weight	20.00	lb/ft	29.76	kg/m
Wall Thickness ( t )	0.361	in	9.17	mm
Pipe ID ( d )	4.778	in	121.36	mm
Drift Dia.	4.653	in	118.19	mm

**Connection**

Coupling OD ( Wsc1 )	6.050	in	153.67	mm
Coupling Length (NLG )	8.350	in	212.09	mm
Make up Loss	4.125	in	104.78	mm
Pipe Critical Area	5.825	in <sup>2</sup>	3,758	mm <sup>2</sup>
Box Critical Area	6.102	in <sup>2</sup>	3,937	mm <sup>2</sup>
Thread Taper	1 / 16 ( 3/4" per ft )			
Number of Threads	5 TPI			

**Performance**

**Performance Properties for Pipe Body**

S.M.Y.S.	641	kips	2,850	kN
M.I.Y.P.	12,640	psi	87.0	MPa
Collapse Strength	11,100	psi	76.5	MPa

Note    S.M.Y.S.= Specified Minimum YIELD Strength of Pipe body  
           M.I.Y.P. = Minimum Internal Yield Pressure of Pipe body

**Performance Properties for Connection**

Min. Connection Joint Strength	100% of S.M.Y.S.
Min. Compression Yield	100% of S.M.Y.S.
Internal Pressure	100% of M.I.Y.P.
External Pressure	100% of Collapse Strength
Max. DLS ( deg. /100ft)	>90

**Recommended Torque**

Min.	14,600	ft-lb	19,700	N-m
Opti.	16,200	ft-lb	21,900	N-m
Max.	17,800	ft-lb	24,100	N-m
Operational Max.	19,500	ft-lb	26,400	N-m

Note : Operational Max. torque can be applied for high torque application

Connection Yield Torque	22,900	ft-lb	31,000	N-m
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**Legal Notice**

The use of this information is at the reader/user's risk and no warranty is implied or expressed by Metal One Corporation or its parents, subsidiaries or affiliates (herein collectively referred to as "Metal One") with respect to the use of information contained herein. The information provided on this Connection Data Sheet is for informational purposes only, and was prepared by reference to engineering information that is specific to the subject products, without regard to safety-related factors, all of which are the sole responsibility of the operators and users of the subject connectors. Metal One assumes no responsibility for any errors with respect to this information.

Statements regarding the suitability of products for certain types of applications are based on Metal One's knowledge of typical requirements that are often placed on Metal One products in standard well configurations. Such statements are not binding statements about the suitability of products for a particular application. It is the customer's responsibility to validate that a particular product with the properties described in the product specification is suitable for use in a particular application.

The products described in this Connection Data Sheet are not recommended for use in deep water offshore applications. For more information, please refer to [http://www.mtlo.co.jp/mo-con/images/top/WebsiteTerms\\_Active\\_20333287\\_1.pdf](http://www.mtlo.co.jp/mo-con/images/top/WebsiteTerms_Active_20333287_1.pdf) the contents of which are incorporated by reference into this Connection Data Sheet.



Date 4/24/2023 Bill to:  
 Ticket Number 11410875 Cementer:  
 Location Midland TOM ATKINSON

Company	Solaris Midstream	Well Name	Johelen SWD #1
County	Eddy	State	New Mexico
Job Type	Liner	Casing Size	9 5/8
		Casing Depth	13168
Description	Quantity	Unit Cost	Units
Pump Charge 13001' to 14000'	1	\$18,565.00	each
Pump Charge - Additional Hours	0	\$2,250.00	hour
Reserve Pump Truck	1	\$11,067.00	each
Reserve Pump Truck - Additional Hours	0	\$2,250.00	hour
Batch Mixer	1	\$5,600.00	each
Batch Mixer - Additional hours	0	\$940.00	hour
HV Mileage	600	\$13.75	mile
LV Mileage	600	\$8.13	mile
Field Storage Bin delivery		\$13.75	mile
Field Storage Bin - 3 Days		\$1,970.00	each
Tubing Swage		\$415.00	each
Data Acquisition	1	\$1,305.00	each
Thickening Time Test, Field Blend	1	\$2,485.00	each
Diesel Fuel Surcharge	1	\$1,090.00	each
Circulating Equipment		\$6,825.00	each
Derrick Charge	1	\$3,500.00	each
Top Out Iron		\$8.49	ft
Centrifugal Pump	1	\$1,295.00	each
Barite	126	\$93.63	sack
CSG-1	36	\$133.51	lb
Subtotal for Pumping & Equipment Charges			
Class H Premium	204	\$61.10	sacks
Compass Poz-Mix	68	\$33.95	sacks
CPO-18	68	\$35.58	sacks
C-23 High Temp Retarder	49	\$46.06	lb
CFL-1	117	\$72.81	lb
STE	1,170	\$1.58	lb
CSA-1000 - Fluid Loss Additive	14	\$94.79	lb
C-49 Expanding Gas Flow Control	59	\$69.28	lb
Fluid Caliper Dye	4	\$272.94	Quart
DFL-1	15	\$159.42	gal
Sugar	600	6.45	lb
Materials Handling	365	4.35	CF
Drayage	118,400	0.10	sacks x miles
Subtotal for Materials Charges			
Gross Price Subtotal			
Discount			
Pre-tax Total			

LOCATION Johelen SWD #1  
 AFE# 2022-11226  
 COST CODE# 1655  
 DATE 4-24-23  
 COMPANY REP Michael Atkinson  
 SIGNATURE M. Atkinson

Service Receipt: I certify that the materials and services listed were received and all services performed in a workmanlike manner.

Company Rep: \_\_\_\_\_

Printed: \_\_\_\_\_



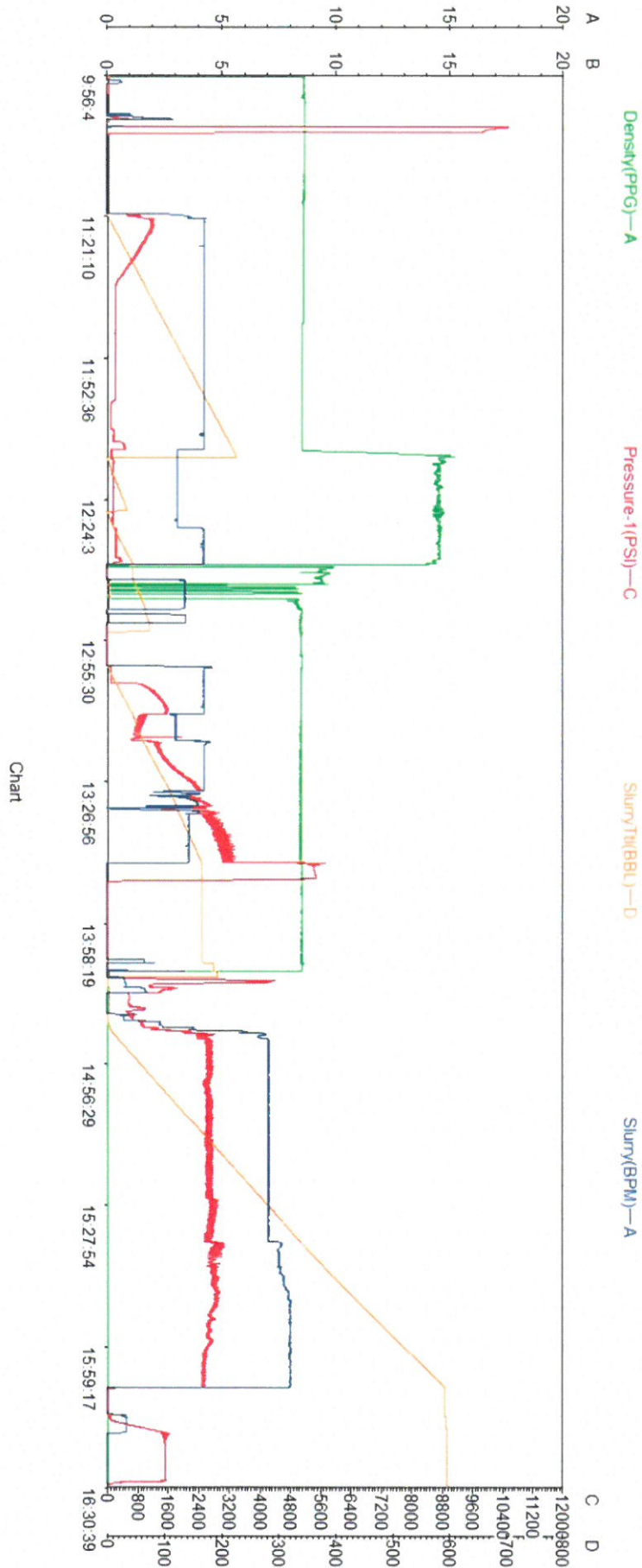
## 11410875

Released to Imaging: 9/10/2024 10:48:31 AM





Date: 4/24/23 Well Name: JOHELEN SWD #1 Location: EDDY COUNTY NM Country: Operator: GARCIA Supervisor: ATKINSON Type of Job: LINER Contact Address: Comment:





# Field Test - Water Analysis Report

COMPANY:	Solaris Midstream	Date Recorded	4/24/2023
SUBMITTED BY:	ATKINSON	SO#	11410875
LEASE and WELL#:	Johelen SWD #1	Job Type	Liner
		Camp Location	Midland

CEMENT MIX WATER REQUIREMENTS

Item	Recorded Test Value	Units	Max. Acceptable Limit	Potential Problems in Exceeding Limit
pH	7	----	6.0 - 8.0	Chemicals in the water can cause severe acceleration or retardation
Chlorides	200	ppm	3000 ppm	Can shorten thickening time of cement
Sulfates	500	ppm	2000 ppm	Will greatly reduce Cement Compressive Strength
Iron	3	ppm	300 mg/L	Can reduce Cement Compressive Strength
Temperature	59	oF	40-100 °F	High temps will accelerate; Low temps may risk freezing in cold weather



**HALLIBURTON****Completion  
Tools**

COMPANY		FIELD		LEASE		WELL #	
Solaris		Unknown		Johelen		SWD 1	
COMPANY REP.		PARISH / COUNTY		STATE		DATE	
Mike Ortiz		Eddy		NM		4/23/2023	
SIZE, WT, GRADE, & THREAD				TOP @		BOTTOM @	
CASING				9.625 ,47 LB,L-80 , BTC		0 8351	
LINER 1				5.5, 20 LB, P-110, GeoComm		8,351 13158	
LINER 2				4.5, 13.5 LB, P-110, LTC		13,158 13192	
IT	DEPTH	LENGTH	JTS	DESCRIPTION		I.D.	O.D.
11	8350.92	11.02	1	Polished Bore Tieback Recepticle		7.755	8.310
10	8361.94	21.59	1	VersaFlex Expandable Liner Hanger		6.072	8.310
9	8383.53	1.92	1	X-OVER - Vam Top x 5.5, 20 LB, P-110, GeoComm		4.747	7.900
8	8385.45	4772.53	108	Liner 5.5, 20 LB, P-110, GeoComm		4.778	5.500
7	13157.98	1.81	1	X-Over 4.5, 13.5 LB- 5.5, 20 LB, P-110, GeoComm		3.906	6.320
6	13159.79	8.11	1	Liner 4.5, 13.5 LB, P-110, LTC		3.920	4.500
5	13167.90	2.87	1	Multi-Stage Tool, 4.5", 13.5 LB, P-110, LTC		2.752	5.460
4	13170.77	20.12	1	Liner 4.5, 13.5 LB, P-110, LTC		3.920	4.500
3	13190.89	0.60	1	X/Over 3.5 EUE to 4.5", 13.5 LB, P-110, LTC		4.778	5.000
2	13191.49	0.51	1	No/Go on Top		2.434	4.460
1		4.07	1	Seal Assembly w/3 Sets of Seals		3.000	4.060
A	13192.00		1	Permanent Packer w/Seal Bore		4.000	7.675
	13192.00			*** End of Liner Assembly ***			
				Hanger assembly staying in hole		34.53	
BLOCK WGT:		PICK UP WGT:		SLACK OFF WGT:		FORM #:	
5		206		190			
WGT. ON LATCH:		TYPE LATCH:		PERF:			
NA		NA		NA			
SERVICEMAN:				WGT. & TYPE DRILLING FLUID:			
Mike Webb				10 Water Based			
SERVICE CENTER:		SALES ORDER #:		PAGE		OF	
Odessa, TX		908457585		1		1	





March 28, 2024

Re: Post Workover Summary  
Johelen SWD #1  
30-015-44866  
Property Code - 321176  
Eddy Co., NM

To Whom It May Concern:

Solaris Water Midstream has completed the workover on the above captioned well, finished with a successful bradenhead and MIT test on 05.17.2023. This original workover was planned to repair a suspected tubing leak, set an RBP to isolate the formation and packer, and perform a single positive/negative casing test since this is a newly acquired well. The well has a 7-5/8" permanent packer set at 13,198' with a landed seal assembly. The landed seal assembly was stuck in the packer and parted at the stainless-steel crossover directly above the seal assembly when the injection tubing string was pulled out of the hole. The existing permanent packer has an OD (post expansion) that is equal to the ID of the 7-5/8", 39# casing at 6.625". The max OD of the permanent packer at time of running was 6.25". The OD of the drilled open hole section from 13,278' – 14,310' is 6.50". Given the max ODs of the packer, the fish stuck inside the top of the packer, and the extremely tight tolerances with the open section, we deemed it too risky to attempt to fish out the existing permanent packer. If we chose to mill over the slips of the packer, there is no overshot option due to the tolerances and a spear option is questionable with the fish that sheared off inside of the packer and the unknown condition of the top of the fish.

After the injection tubing string was pulled out of hole, a retrievable bridge plug (RBP) was set directly above the permanent packer and fish to isolate the packer and formation. It was found that the RBP was not holding so it was replaced with a new one. A positive pressure test was performed to 1,200 psi with no pressure loss over 30 min. A negative pressure test was performed with the well building to 1,450 psi over 24 hours, failed test. An RTTS style test packer was ran over key possible failure points in the wellbore with the leak appearing to come from the 7-5/8" liner top. A repair 9-5/8" x 7-5/8" liner top (Halliburton Versaflex) was ran on 2023.01.05 to cover the existing Baker 7-5/8" liner top utilizing a Baker seal assembly to sting into the existing 7-5/8" liner top (installation diagram attached). This repair did not fix the leak as there was 350 psi on the wellbore the next morning on 2023.01.06. A positive pressure test was performed to 1,100 psi for 1 hour, good test. An RTTS style test packer was again used to isolate the pressure/leak source as coming from the 7-5/8" liner itself between the RBP (set directly above the permanent packer and fish) and the newly ran 9-5/8" x 7-5/8" liner top (8,678').

With this data of a leak in the 7-5/8" liner, Solaris pulled the existing RBP and ran a 9-5/8" liner top x 5-1/2" liner (casing) that was stung into the newly ran 7-5/8" permanent packer set directly above the existing fish and permanent packer. The liner was cemented in place with 14.5 ppg Class "H" cement +

3300 N. A St., Building 6, Unit 120, Midland, TX 79705  
432.203.9020



additives for gas control and corrosion resistance. Two barrels of cement were circulated to surface off the liner top.

A new permanent injection packer, nickel alloy 925, was ran in hole and set with COE @ 13,121'. Injection tubing was ran in hole as shown on WBD; 5-1/2", 20#, P-110, BTC, GRE from surface to 8,159' and 3-1/2", 9.3#, L-80, EZGO HT-SWD, IPC from 8,159' – 13,119'.

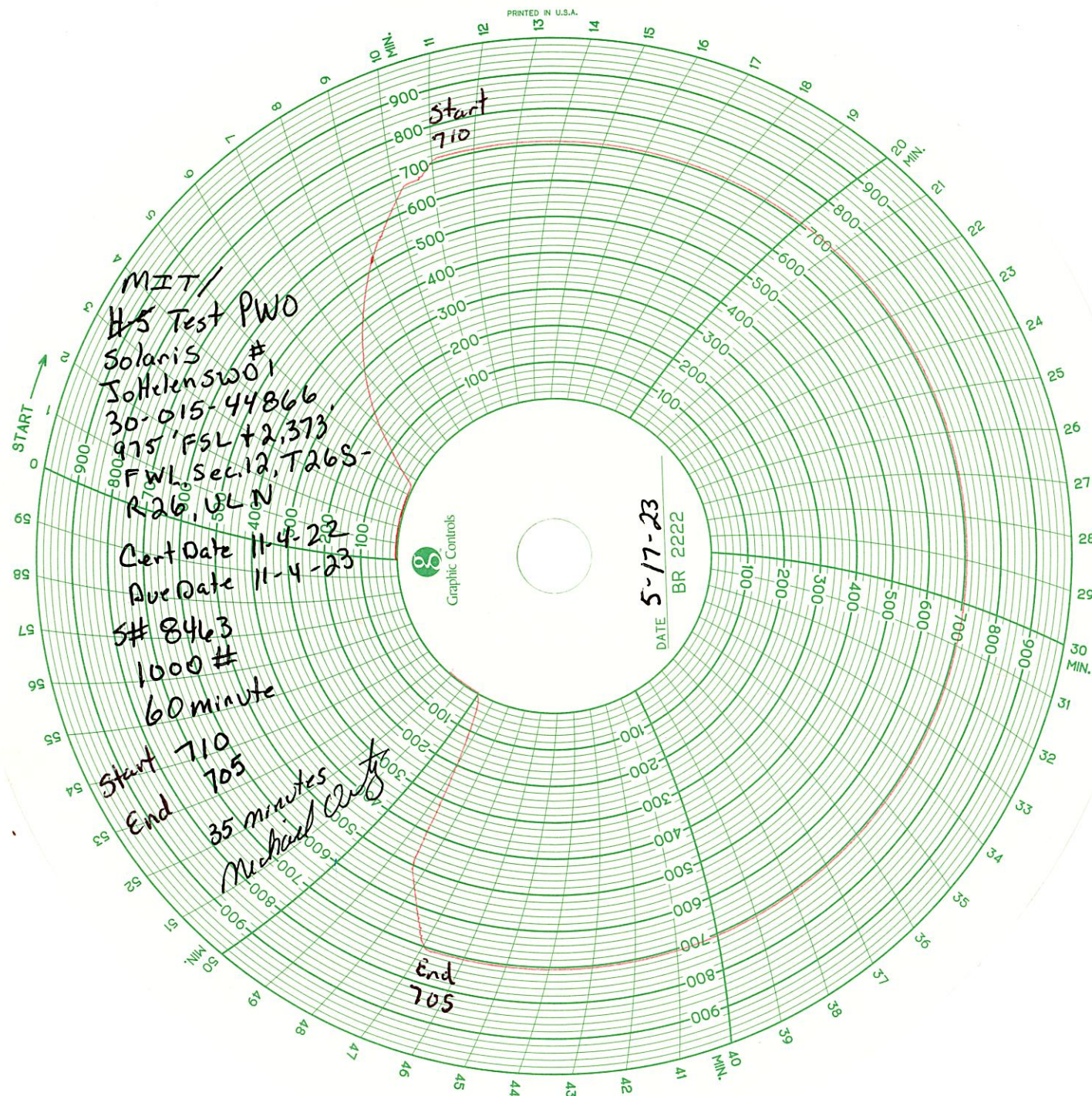
A bradenhead test and MIT were called out and successfully performed on 2023.05.17 to demonstrate wellbore integrity.

Thank you.

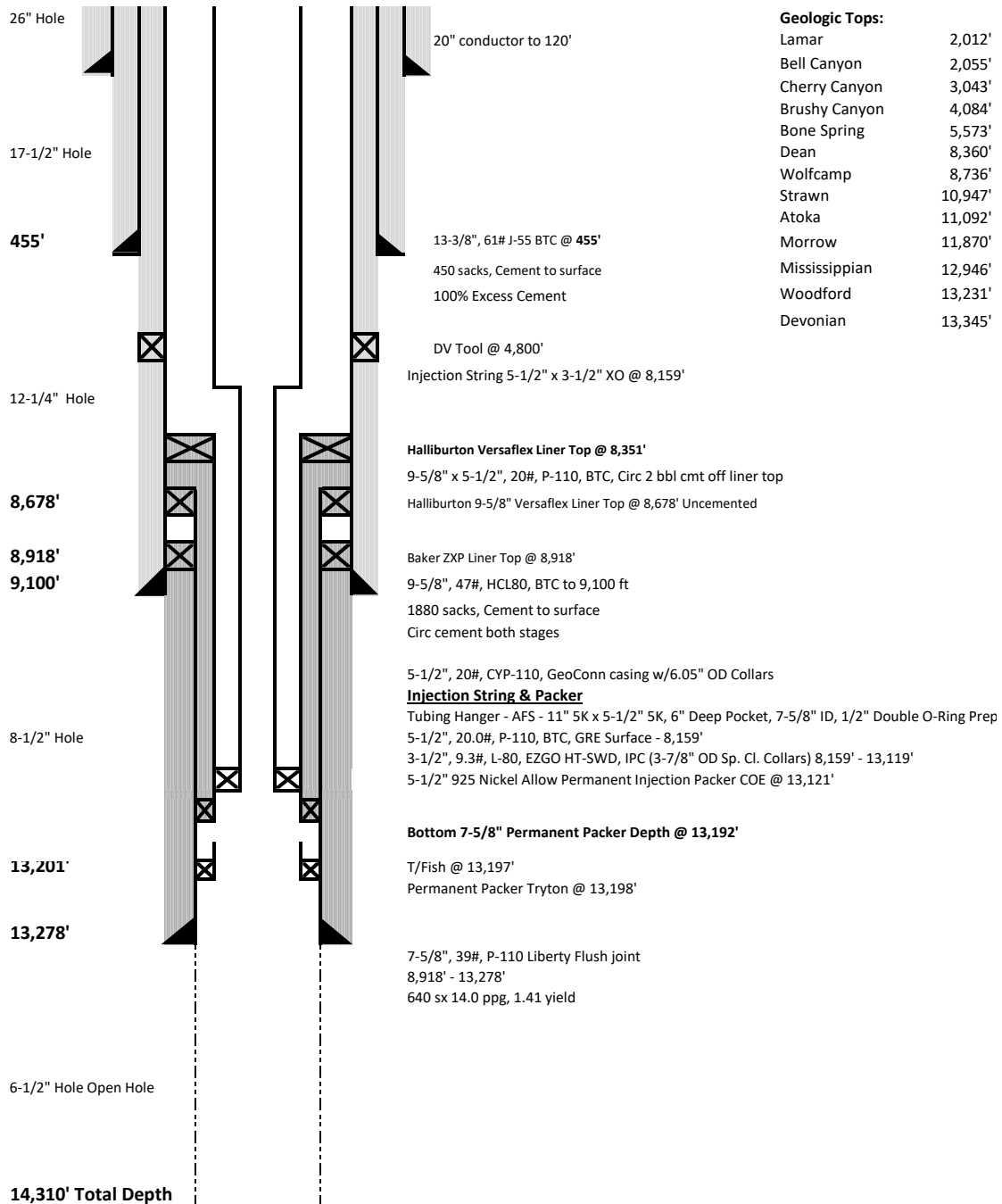
Sincerely,

Christopher Giese  
Drilling Engineer  
[chris.giese@ariswater.com](mailto:chris.giese@ariswater.com)





Johelen SWD No 1  
975' FSL & 2,373' FWL, UL N, SEC. 12, T-26S R-28E, Eddy County, NM  
API # 30-015-44866





**District I**  
1625 N. French Dr., Hobbs, NM 88240  
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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 328819

CONDITIONS

Operator: SOLARIS WATER MIDSTREAM, LLC 9651 Katy Fwy Houston, TX 77024	OGRID: 371643
	Action Number: 328819
	Action Type: [C-103] Sub. Workover (C-103R)

CONDITIONS

Created By	Condition	Condition Date
kfortner	None	9/10/2024