UIC - I - ___5___

C-103s

Chavez, Carl J, EMNRD

From:	Chavez, Carl J, EMNRD
Sent:	Tuesday, September 18, 2018 5:19 PM
То:	Philana Thompson
Cc:	Kuehling, Monica, EMNRD; Perrin, Charlie, EMNRD; Powell, Brandon, EMNRD; Griswold, Jim, EMNRD; Jones, William V, EMNRD; Ryan Merrion; Ryan Davis (rdavis@merrion.bz);
	Sanchez, Daniel J., EMNRD
Subject:	RE: Sunco Fall off Test
Attachments:	OCD C-103 Approval FOT 9-18-2018.pdf

Philana:

Please see attachment. Please notify OCD Aztec of the date and time proposed for the FOT to witness installation of bottom hole gauge(s) and at closure of valve for start of FOT monitoring.

Thank you.

Mr. Carl J. Chavez, CHMM (#13099) New Mexico Oil Conservation Division Energy Minerals and Natural Resources Department 1220 South St Francis Drive Santa Fe, New Mexico 87505 Ph. (505) 476-3490 E-mail: <u>CarlJ.Chavez@state.nm.us</u>

"Why not prevent pollution, minimize waste to reduce operating costs, reuse or recycle, and move forward with the rest of the Nation?" (To see how, go to: <u>http://www.emnrd.state.nm.us/OCD</u> and see "Publications")

From: Philana Thompson <pthompson@merrion.bz>
Sent: Wednesday, September 12, 2018 5:06 PM
To: Chavez, Carl J, EMNRD <CarlJ.Chavez@state.nm.us>
Cc: Kuehling, Monica, EMNRD <monica.kuehling@state.nm.us>; Perrin, Charlie, EMNRD <charlie.perrin@state.nm.us>;
Powell, Brandon, EMNRD <Brandon.Powell@state.nm.us>; Griswold, Jim, EMNRD <Jim.Griswold@state.nm.us>; Jones,
William V, EMNRD <WilliamV.Jones@state.nm.us>; Ryan Merrion <ryan@merrion.bz>
Subject: Sunco Fall off Test

Greetings,

We have amended the FOT procedure after speaking with Jim G. & Will J. in the Santa Fe office.

We understand that Carl is out of the office and have postponed the FOT until he has returned to the office and can approve the C103. We have re-scheduled the crews for the week of 10/1/18. Monica, I will contact you 48 hours prior to starting the FOT.

Thank you, Philana --

Philana Thompson Regulatory Compliance Merrion Oil & Gas Corp cell 505-486-1171 fax 505-324-5300

Submit 1 Copy To Appropriate District	State of New			Form C-103
District 1 - (575) 393-6161 1625 N. French Dr., Hobbs, NM 88240	Energy, Minerals and	Natural Resources	WELL API NO.	Revised July 18, 2013
District II - (575) 748-1283 811 S. First St., Artesia, NM 88210	OIL CONSERVAT	TION DIVISION	30-045-28653 5. Indicate Type of Le	
District 111-(505) 334-6178	1220 South St.	Francis Dr.	STATE	FEE
1000 Rio Brazos Rd., Aztec, NM 87410 <u>District IV</u> – (505) 476-3460 1220 S. St. Francis Dr., Santa Fe, NM 87505	Santa Fe, N	M 87505	6. State Oil & Gas Lea	
a second s		OR PLUG BACK TO A	7. Lease Name or Uni Sunco Disposal	Agreement Name
1. Type of Well: Oil Well	Gas Well 🛛 Other SWD C	lass I	8. Well Number #1	
2. Name of Operator Agua Moss, LLC			9. OGRID Number 247130	
3. Address of Operator	20		10. Pool name or Wild	cat
PO Box 600 Farmington, NM 874	J9		SWD-MV	
4. Well Location	5feet from theNorth	line and 1004	feet from the Wes	t ling
		2W NMP		
	11. Elevation (Show whethe			
here and the second		5859' GL	1	
	Appropriate Box to Indica			
	PLUG AND ABANDON			
	CHANGE PLANS			
PULL OR ALTER CASING	MULTIPLE COMPL			
DOWNHOLE COMMINGLE			_	
CLOSED-LOOP SYSTEM	-	OTUED	E-II Off Test	M
OTHER: 13. Describe proposed or comp	leted operations. (Clearly stat	e all pertinent details, at	Fall Off Test	luding estimated date
	ork). SEE RULE 19.15.7.14 N			
Agua Moss, LLC proposes to perfor	m the annual Fall Off Test at t	he Sunco Disposal #1. F	Please see the attached deta	ailed procedure.
- See the first see the first				
Spud Date:	Rig Relea	se Date:		
				•
I hereby certify that the information	above is true and complete to	the best of my knowledg	ge and belief.	
SIGNATURE MALUER	VIIIIATTLE	Regulatory Complian	ce Specialist DATE	9/11/2018
STONATORE / CE C /		compnan	te opeciation DATE	JIT 112010-
Type or print namePhilana Thou For State Use Only				
APPROVED BY: Calf. Conditions of Approval (if any): - Must achiev - Must achiev	Charz TITLE &	Environment of Z	DATE	9/18/2018
- Must achiev	e pseudo-stendy	, state injew	tim vate beto	L valve Uos
- Must achie	va at least	- 40 gpm	injection Vi	re.

ve.

Fall Off Test Procedure:

Prepare Well for Fall Off Test

- 1. Arrange for adequate injection fluid storage 2. Accumulate 3000 bbls of produced water
- 3. Perform MIT
- 4. MIRU wireline
- 5. RIH w/ Gauge ring to SN
- 6. POOH w/ Gauge ring and PU impression block (or something to run thru SN)
- 7. RIH tag and record fill depth
- 8. If no restrictions exist and fill is below the perfs continue on to FOT. Otherwise remediate problem or adjust FOT procedure before continuing.

Conduct Fall Off Test

- 9. POOH pick up pressure gauges
- 10. RIH and hang gauges off @ 4405' KB
- 11. Begin injection, (125 bph) 3000 bwpd, Record time
- 12. Inject for 50 hrs, total of 6250 bbls. Record start and stop time
- a. Ensure injection pressures have stabilized before proceeding 13. S/D injection pump and close valve @ wellhead, Record time
 - a. Once surface pressure stabilizes record start time of fall off
- 14. Record pressure data for 164 hrs, Record start and stop time
- 15. POOH making gradient stops @ 4000', 3000', 2000', 1000' and surface
- 16. Secure well and bleed pressure off lubricator
- 17. R/D wireline
- 18. Put well back into service for normal operation.

Page 3 of 3

Winning/Shared/OTHER CORPS, PARTNERSHIPS, & LLCSAGUA MOSSV2 - Sunce/Permits/01 - UICH005 - Inj Weil/FOT/2017/2017-05-28 Sunce SWD (FOT Plan and Procedure V2).docx

AGUA MOSS, LLC TEST PLAN FOR PRESSURE FALL-OFF TEST (FOT)

		Wel	I Information		
Well:	Sunco Disposal 1		Field:	Mesaverde SWD	
	1595' fni &		Elevations:	5859' GL 5872' RKB	
Location:	S2, T29N, San Juan	Co. New Mexico	Depths:	4706' KB PBTD 4760' KB TD	
		and the analysis and the second	Engineer:	J. Ryan Davis (505,324,5335)	
API:	30-045-28653 Date:	Date:	9/6/2018		
Surface Casing: 8-5/8" @ 209' KB w/ 15 Circ to surface Tubulars: 2-7/8" 6.5# EUE (Epox Coated) @ 4282' KB				A CONTRACTOR OF A CONTRACTOR O	5-1/2" @ 4750' KB w/ 230 sx stage 1, 515 sx stage 2, circ 25 sx to surf, DV tool @ 2244' KB
			Packer:	Arrow XL-W retrievable seal bore @ 4282' KB.	
Perforation	ns (MV)	4350-4460' KB 2	spf (2000 gals 15	% HCL, Frac w/ 100,000# 20/40)	
		Additte	onal Perforations		
Perforation	ns (MV)	None	1000 C C C C C C C C C C C C C C C C C C		

Version 1 : Procedure subject to change based on changing well conditions.

Proposed Test Schedule:

Date	Event	Remarks
	Check conditions; Perform MIT and Begin rejection (50 hrs)	TD, Fill, Restrictions and hang Gauges
Friday, September 14, 2018	End Injection and Begin FOT	Shutein and monitor
Wednesday, September 21* 2017	164 hm	Could pull gauges at 10am
and the second s	Contraction and the second shall be	And an and a second

Test Considerations:

The triplex pump at the facility is capable of maintaining a constant rate of 3000 bpd against the anticipated V.1 injection pressures.

V.2 The injection rate of \$600 bpd (87.5 gpm) will be sufficient to produce valid test data. (For reference: During normal injection at 3600 bpd (8 hrs) the surface pressure build up is approx. 200 psi with a mirrored fall off over a 8 hr period.)

V.3 The normal waste liquid will be used during the FOT due to the cost effectiveness and availability.

The total volume of fluid needed for the FOT is \$250 bbls. V.4

a) A total of 3600 bbls will be onsite prior to starting the Injection for the FOT and water will continue to be hauled to facility in the case that more fluid is needed during the injection period. b) Lowering the injection rate will be considered if well conditions merit a change or storage of fluid becomes a constraint.

c) City water will be purchased for the FOT if it becomes necessary to make up the volume required for the test.

The gauges will be RIH and the injection period will be a minimum of 50 hrs to ensure radial flow and V.5 stabilization. A total of 15 hrs was calculated using the EPA Region 6 UIC Pressure Falloff Testing Guideline design calculations found on pg A-4. The fall off portion will be a minimum of 72 hrs justified by this being the time frame used on the previous FOT.

There will be adequate storage capacity for waste water for the duration of the FOT. V.6

Page 1 of 3

timinala/Shared/OTHER CORPS, PARTNERSHIPS, & LLCSIAGUA MOSSIZZ - Sunco/Permittel01 - UIC1405 - Inj Weil/FOT/2017/2017/2017-05-28 Sunco SWD (FOT Plan and Procedure V2) docs

V.7 There is one offset well completed in the Point Lookout disposal formation. The McGrath #4 is a class II disposal operated by ConocoPhillips approx 1.25 miles to the north west of the Sunco #1. The well has been P&A'd, so there will not be any injection activity from offset wells during the FOT.

V.8 Crown valve is currently in-place on the Sunco #1 wellhead. The gauges will be RIH through a lubricator prior to the injection period.

V.9 A shut-in valve is located on the injection riser approx 3-feet from the wellhead. This valve can be shut quickly to reduce erratic pressure response and minimize the wellbore storage.

V.10 Prior to the FOT a gauge ring will be run through the tubing to ensure no restrictions in the tubing and slickline will also be used to tag up and determine wellbore fill. Test parameters will be adjusted accordingly or the needed the repairs will be made to remedy the situation.

V.11 Surface readout gauges will not be used in the FOT data collection due to cost and the fact Key performed the 2010 FOT with tandem memory down hole gauges with successful data collection. The gauges used will be latest available technology from Teftiller, inc which will meet or exceed the pressure range, accuracy and resolution requirements. The gauges will be setup on auto resolution capture based on pressure change. Each gauge will be

setup with a different auto resolution range to ensure all data in captured accurately.

V.12 A test log will be kept during the test and submitted with the FOT results. The log will include key events with date and times.

- Gauge ring run
- Tag depth
- Gauge activation
- Gauges on bottom
- Injection start
- Injection stop
- Well isolation
- Pressure stabilization
- End of Fall Off

V.13 Surface pressures will be recorded continuously using a chart recorder during the FOT. If any abnormal surface pressure change occurs the test validity will be questioned and the test will be aborted if deemed invalid.
V.14 The memory gauges being used for the FOT have auto resolution capability that changes the resolution based on rate of pressure change. First gauge will be configured to obtain data every 35 seconds and adjust to every one minute. The second gauge will be configured to obtain data every 30 seconds and adjust to every two minutes. Memory capacity is 35 day and 69 days respectfully. The minimum 15 second resolution was used during the 2010 FOT and proved to be acceptable. The length of the fall off portion is based on the 2016 FOT, 120 hours proved to be adequate.

V.15 The tri-plex injection pump at the facility that is normally used for injection will be used for the FOT. It is a positive displacement pump running at a constant RPM which will ensure constant injection rate during the FOT. A constant injection rate of approximately 3000 bpd will be sufficient to create a minimum of 100 psi differential between final injection pressure and shut-in pressure. The rate will be carefully monitored prior to shut down to ensure a steady state injection is maintained prior to beginning the fall-off portion of the test.

Page 2 of 3

Submit 1 Copy To Appropriate District	State of N	New N	fexico		Form C-103
Office District 1- (575) 393-6161	Energy, Minerals a	nd Na	tural Resources		Revised July 18, 2013
1625 N. French Dr., Hobbs, NM 88240	6,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			WELL API NO.	
District II - (575) 748-1283	OIL CONSERV	ATIO	N DIVISION	30-045-28653	
811 S. First St., Artesia, NM 88210 District III - (505) 334-6178	1220 South			5. Indicate Type o	
1000 Rio Brazos Rd., Aztec, NM 87410	Santa Fe,			STATE	
District IV - (505) 476-3460 1220 S. St. Francis Dr., Santa Fe, NM 87505	Santa Pe,	14141 0	07505	6. State Oil & Gas	Lease No.
	ICES AND REPORTS ON	WELL	S	7. Lease Name or	Unit Agreement Name
(DO NOT USE THIS FORM FOR PROPO DIFFERENT RESERVOIR. USE "APPLIC PROPOSALS.)				Sunco Disposal	
1. Type of Well: Oil Well	Gas Well Other SWE) Class	1	8. Well Number #1	-
2. Name of Operator				9. OGRID Numbe	r
Agua Moss, LLC				247130	
3. Address of Operator PO Box 600 Farmington, NM 8749	99			10. Pool name or V SWD-MV	Wildcat
4. Well Location					
Unit Letter E : 1593	5feet from theNorth	h	line and 100	5 feet from the	Westline
	wnship 29N Range	12W			San Juan
	11. Elevation (Show whe		A - 1441 - 1441 - 1441 - 1441 - 1441 - 1441 - 1441 - 1441 - 1441 - 1441 - 1441 - 1441 - 1441 - 1441 - 1441 - 14		Dan Paan
			9' GL		
TEMPORARILY ABANDON	CHANGE PLANS MULTIPLE COMPL		COMMENCE DE CASING/CEMEN	the second se	PANDA
OTHER:		П	OTHER:	Acid Job	
proposed completion or rec Agua Moss, LLC proposes to perfor		Dispo	sal #1 on 9/7/2018.	Please see the attached	detailed procedure.
Spud Date:	Rig Re	lease D	Date:]
I hereby certify that the information SIGNATURE	идии тите	ER	legulatory Complian	ge and belief. nce Specialist DATE_ z PHONE:50	
For State Use Only					
APPROVED BY:	TITLE_	21	VIVON MERTE	Engineer DAT	E_9/7/2018

AGUA MOSS, LLC

ACID JOB PROCEDURE

1 - 23

2 1 2

	Wel	I Information		
Well:	Sunco Disposal 1 Field:		Mesaverde SWD	
0	1595' fnl &1005' fwl	Elevations:	5859' GL 5872' RKB	
Location:	S2, T29N, R12W San Juan Co. New Mexico	Depths:	4706' KB PBTD 4760' KB TD	
and a company of the second se		Engineer:	J. Ryan Davis (505.324.5335)	
API:	30-045-28653	Date:	9/7/2018 5-1/2" @ 4750' KB w/ 230 sx stage 1, 515 sx stage 2, circ 2 sx to surf, DV tool @ 2244' KB	
Surface Casing:	the state of a fact the state of a fact the state of the	and the second second second		
Tubulars: 2- 7/8" 6.5# EUE (Epoxy Coated) @ 4282' KB		Packer:	Arrow XL-W retrievable seal bore @ 4282' KB.	
Perforation	15 (MV) 4350-4460' KB 2	spf (2000 gals 15	% HCL, Frac w/ 100,000# 20/40)	
	Additio	onal Perforations		
Perforation	ns (MV) None	S Later - 1		

Version 1 : Procedure subject to change based on changing well conditions.

Acid Clean Up Procedure:

Prepare Well for Fall Off Test

- 1. Check and record tbg and csg pressures
- 2. MIRU pump truck
- 3. Tie in pump truck to the tbg

Pump Acid

- 4. Pump 100 gallons of P150 of solvent down the tbg
- Pump 500 gallons of 15% HCL acid down the tbg
 Displace the acid to the top perf with approx 25 bbls of water
 Allow the acid to soak the perfs for 2-4 hrs.
 Put well back into service for normal operation.

red/OTHER CORPS, PARTNERSHIPS, & LLCSIAGUA MOSSIO2 - Sunco/Parmits/01 - UICI-005 - Inj Well/2018-09-05 Sunco SWD (Acid Job Procedure V1)

Chavez, Carl J, EMNRD

From:	Chavez, Carl J, EMNRD
Sent:	Wednesday, June 27, 2018 4:02 PM
То:	Ryan Merrion
Cc:	Ryan Davis; Sanchez, Daniel J., EMNRD; Griswold, Jim, EMNRD; Goetze, Phillip, EMNRD;
	Jeff Davis; Philana Thompson; Shacie Murray; Perrin, Charlie, EMNRD
Subject:	RE: Agua Moss Sunco Well Mtg.(UICI-5) C-103 Form Dated by Operator 6/14/2018

Ryan:

The New Mexico Oil Conservation Division is in receipt of the survey results and will respond soon.

Thank you.

Mr. Carl J. Chavez, CHMM (#13099) UIC Program Quality Assurance Officer New Mexico Oil Conservation Division Energy Minerals and Natural Resources Department 1220 South St Francis Drive Santa Fe, New Mexico 87505 Ph. (505) 476-3490 E-mail: <u>CarlJ.Chavez@state.nm.us</u>

"Why not prevent pollution, minimize waste to reduce operating costs, reuse or recycle, and move forward with the rest of the Nation?" (To see how, go to: <u>http://www.emnrd.state.nm.us/OCD</u> and see "Publications")

From: Ryan Merrion <ryan@merrion.bz>
Sent: Wednesday, June 27, 2018 2:36 PM
To: Chavez, Carl J, EMNRD <CarlJ.Chavez@state.nm.us>
Cc: Ryan Davis <rdavis@merrion.bz>; Sanchez, Daniel J., EMNRD <daniel.sanchez@state.nm.us>; Griswold, Jim, EMNRD <Jim.Griswold@state.nm.us>; Goetze, Phillip, EMNRD <Phillip.Goetze@state.nm.us>; Jeff Davis
<jdaguamoss@hotmail.com>; Philana Thompson <pthompson@merrion.bz>; Shacie Murray <shacie@merrion.bz>;
Perrin, Charlie, EMNRD <charlie.perrin@state.nm.us>
Subject: Re: Agua Moss Sunco Well Mtg.(UICI-5) C-103 Form Dated by Operator 6/14/2018

Carl, et al,

Philana is out of the office today, but I wanted to get the temperature survey results to you. Please see the report below:

06/22/2018

Tubing: 0 psig. Casing: 825 psig. Rig up Tefteller slickline. RIH with a spear and equalized tubing plug. Tubing pressure increased to 1475 psig. RIH with an overshot and retrieved tubing plug at 4,460'. Shut in tubing and rigged down Tefteller.

06/26/2018

Tubing: 1500 psig. Casing: 850 psig. RU BlueJet Inc wireline. RIH with base temperature log and surveyed from 700' KB to 4506' KB. Pulled logging tools up to 3,989' KB. Injected 100 bbls of water down tubing at 75 bbl/hr. Please see the following table:

Tubing (psig)	Casing (psig)	Time
1700	850	9:04 AM
1800	775	9:15 AM
1825	500	9:30 AM
1900	420	10:00 AM
1920	410	10:25 AM

Temperature at the tool depth decreased from 128 deg F to 86 deg F during injection. After injecting fluid, two log runs were made from 4200'KB to 4506'KB. The timeframe for these log intervals was 30 minutes and 1:20 minutes after injecting fluid. The final temperature survey was completed coming out of hole. Tubing was shut in and wireline rigged down. Final casing pressure was 800 psig.

Log Interpretation:

The baseline temperature survey (TEMP) shows a normal temperature gradient from surface down to the packer. Below the packer, temperature significantly decreases around the interval of injection. TEMP Pass #2 and #3 were ran 30 minutes and 1:20 minutes after injecting 100 bbls of fluid. Both temperature curves converge and maintain temperature at the perforation interval 4,350'-4,460'. Thermal warming effects take place above the injection interval as time progresses. No major anomalies off temperature gradient were noticed above the packer. From these temperature survey results, Agua Moss believes injection is still maintained within the Pt. Lookout formation. Please see attached.

Please let me know if you have any questions.

Thanks,

Ryan Merrion

Production Engineer



ryan@merrion.bz (303) 653-2231

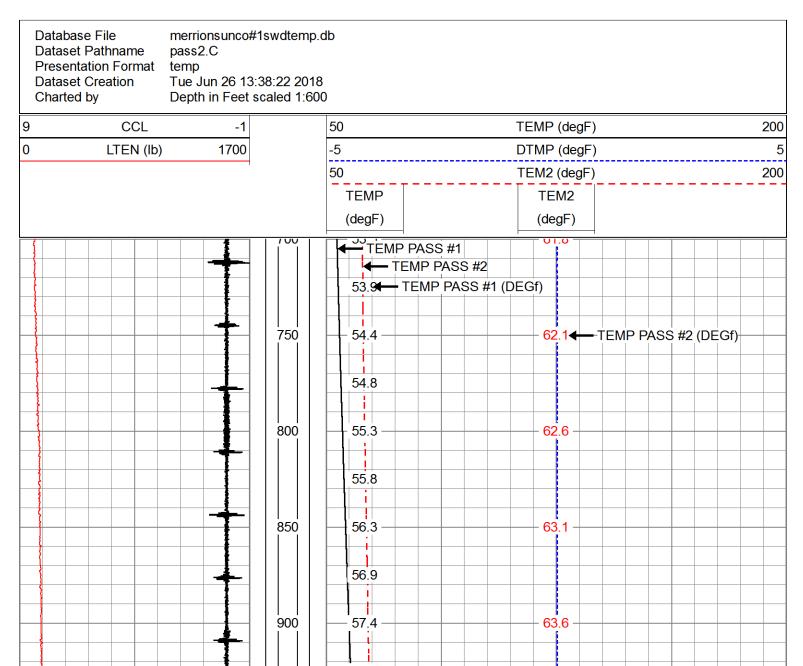
PERFORATING			1 7/16" DIGITAL TEMP TOOL FINAL PRINT	TEMP T	0F
	Company	AGUA MOSS, LLC	6		
	Well	SUNCO DISPOSAL NO. 1	SAL NO. 1		
)E	Field	FLORA VISTA MESAVERDE	MESAVERDE		
	County	SAN JUAN	State	N.M.	
OSAL	Location:		API#: NA		Other Services
JA MOSS, ICO DISF IRA VIST I JUAN I.		1595 FNL & 1005 FWL	(1005 FWL		
SUN Flo		SEC 2 TWP 29	29N RGE 12W		Elevation
•	Permanent Datum	um G.L.	Elevation	5859	K B 5874
omp ell eld ount ate	Log Measured From				D.F. 5873
P F	wining measured a rout	6/26/2018		_	
Run Number		1			
Depth Driller		4711			
Depth Logger	,	4506			
Bottom Logged Interval	val	3000			
Open Hole Size		UGEC		_	
Type Fluid		H20			
Max. Recorded Temp.	-	CM			
Estimated Cement Top	-9 -				
Time Well Ready		7:45 AM			
Time Logger on Bottom	om	9:00 AM			
Equipment Number		D6 TEMP 005			
Location		FRM			
Witnessed By		RYAN MERRION			
witnessed by	Borehole Record		Tubi	Tubing Record	
Run Number	Bit From	То	Size Weight	From	То
	S	235			
	7.875 235	4760			
' 	- - - -		-	_	
Casing Record	Size	Wgt/Ft	Top		Bottom
Surface String	8.625	24#	0		235
Drot String	5.5	15.5#	235		4760

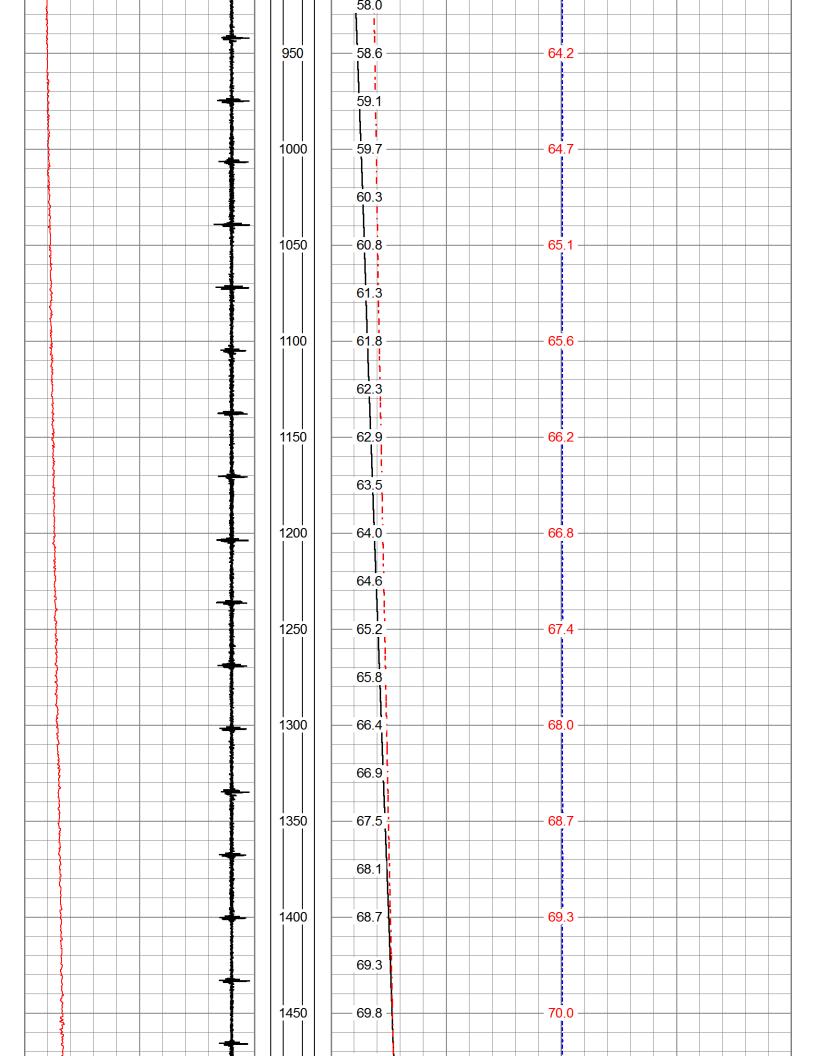
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, damages, or expenses incurred or sustained by anyone resulting from any interpretation made by any of our officers, agents or employees. These interpretations are also subject to our general terms and conditions set out in our current Price Schedule.

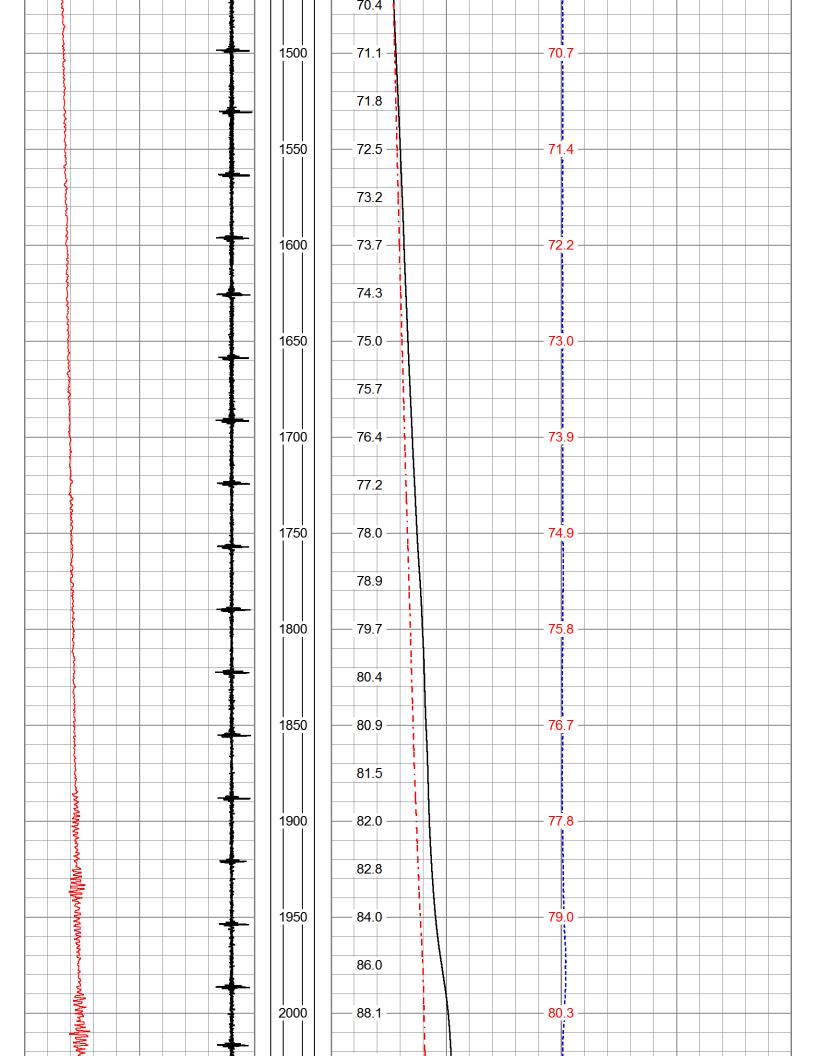
Comments

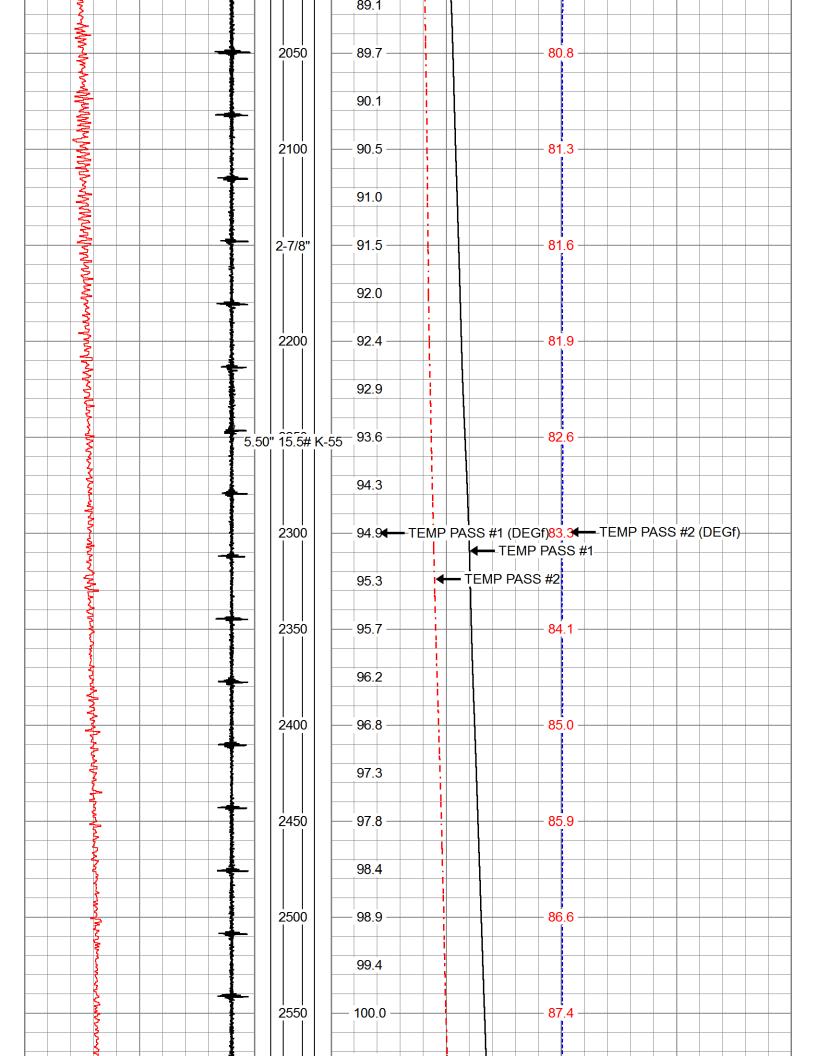
Sensor	Offset (ft)	Schematic	Description	Length (ft)	O.D. (in)	Weight (Ib
CCL	3.00		CCL-SPCL (SPCL1)	1.35	1.69	10.00

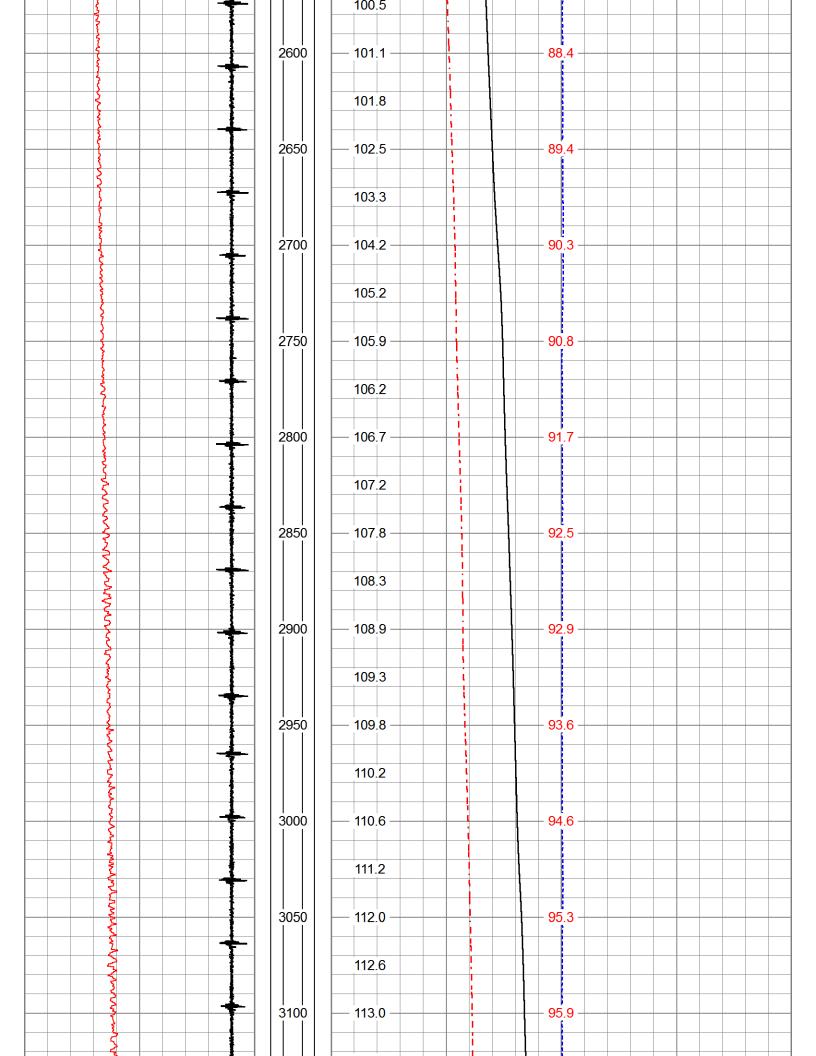
TEMP	0.17		
	1	Dataset: Total length: Total weight: O.D.:	merrionsunco#1swdtemp.db: field/well/run1/pass2.C 3.65 ft 14.00 lb 1.69 in

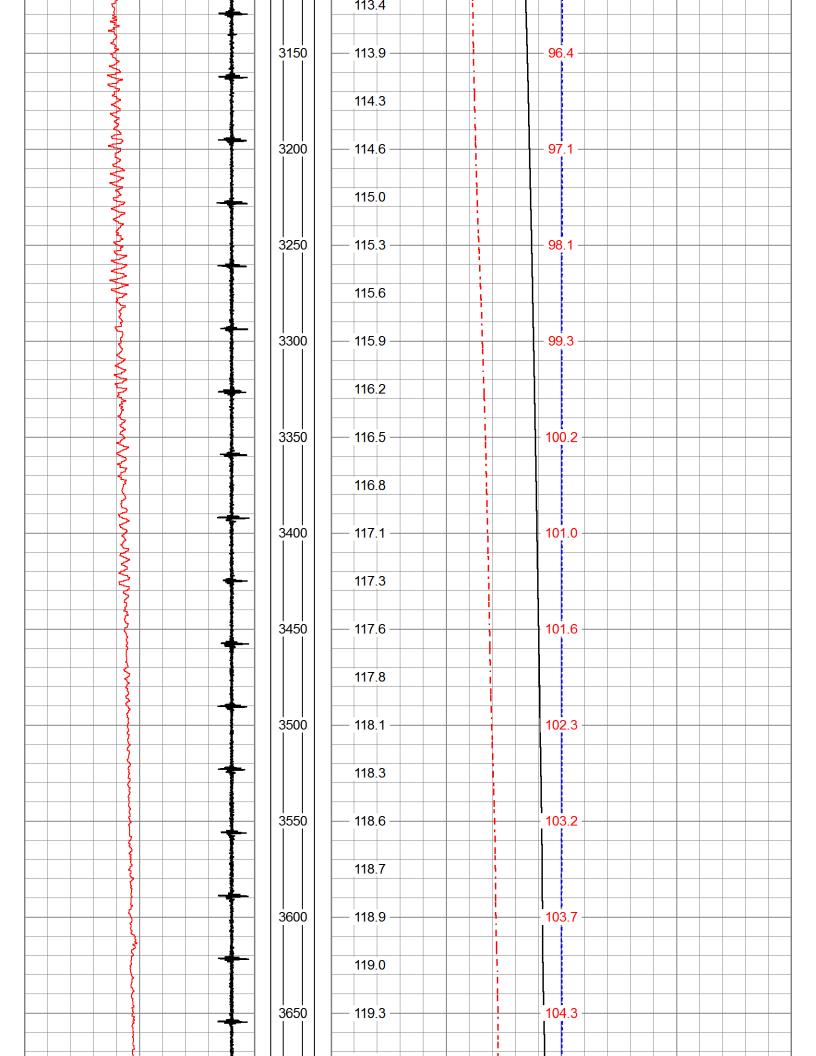


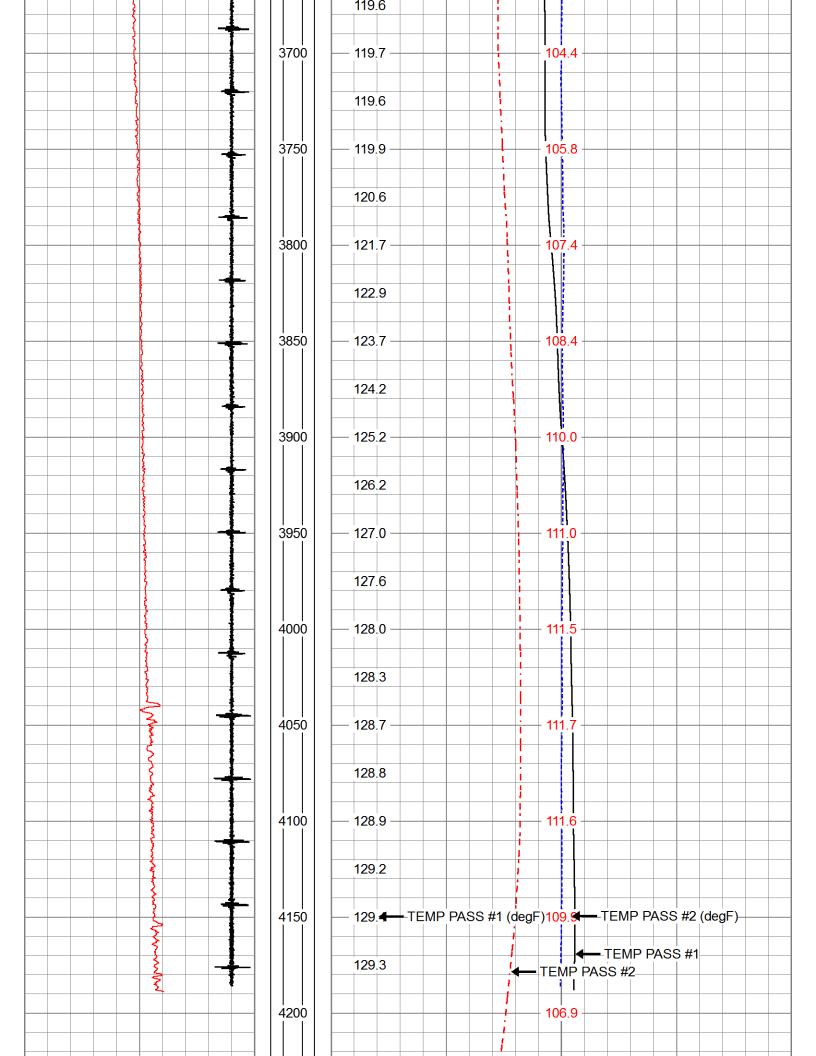


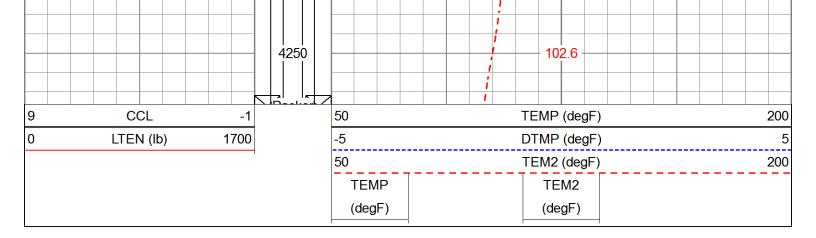


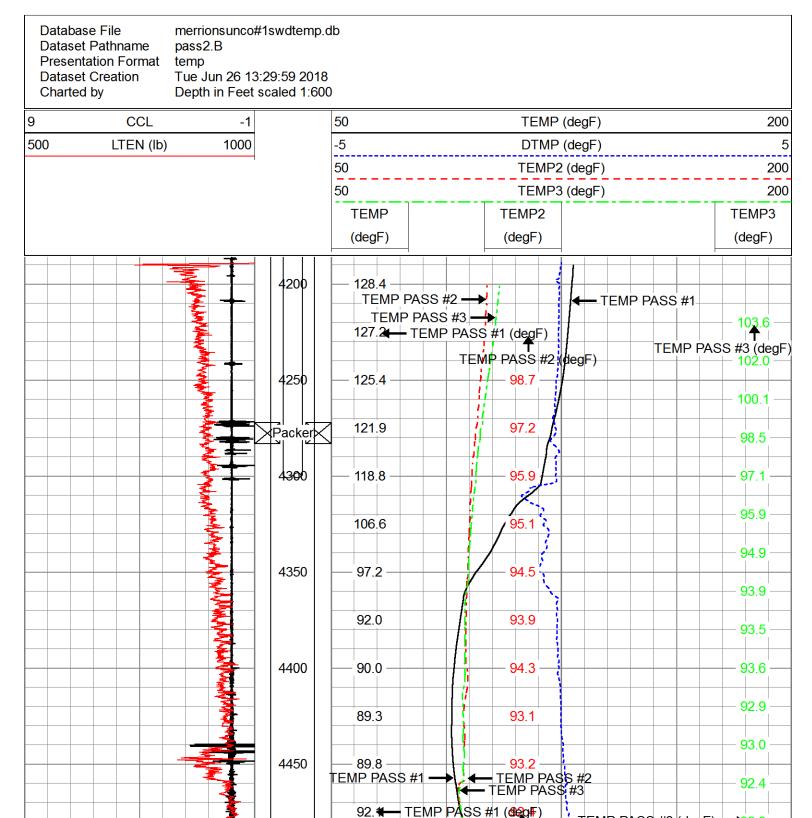


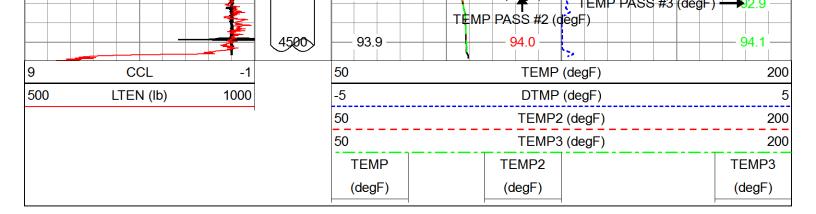


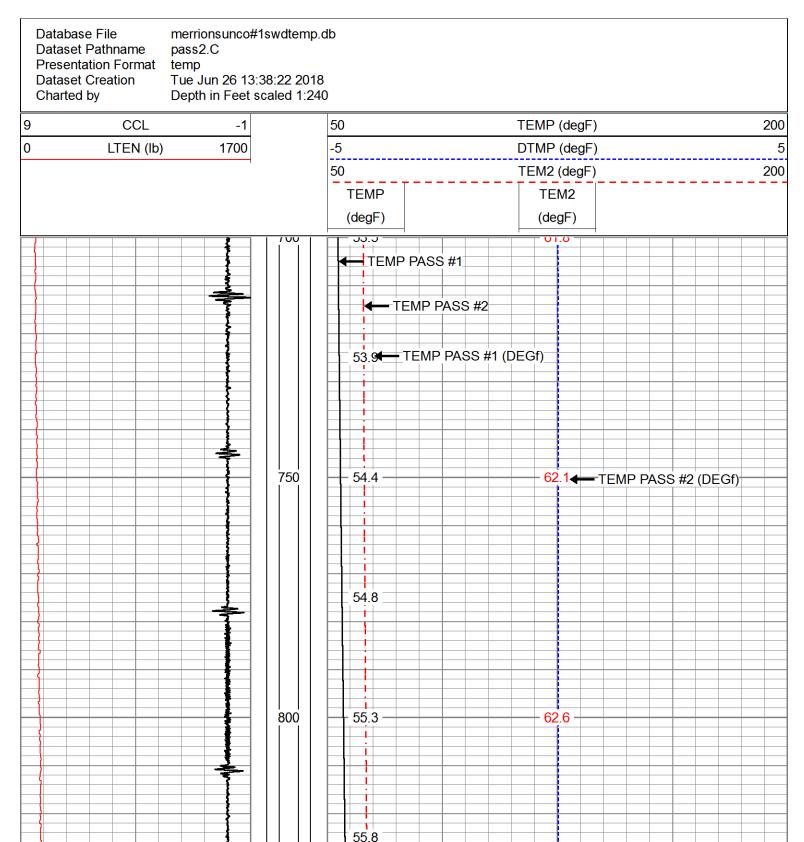


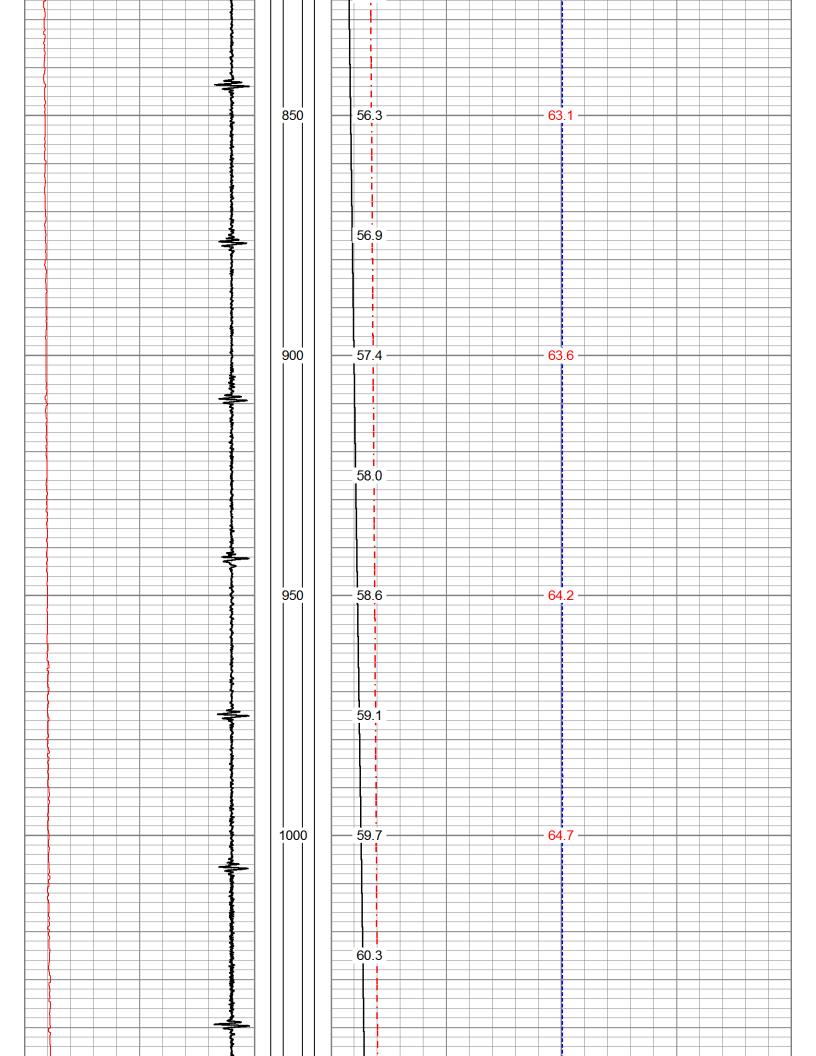


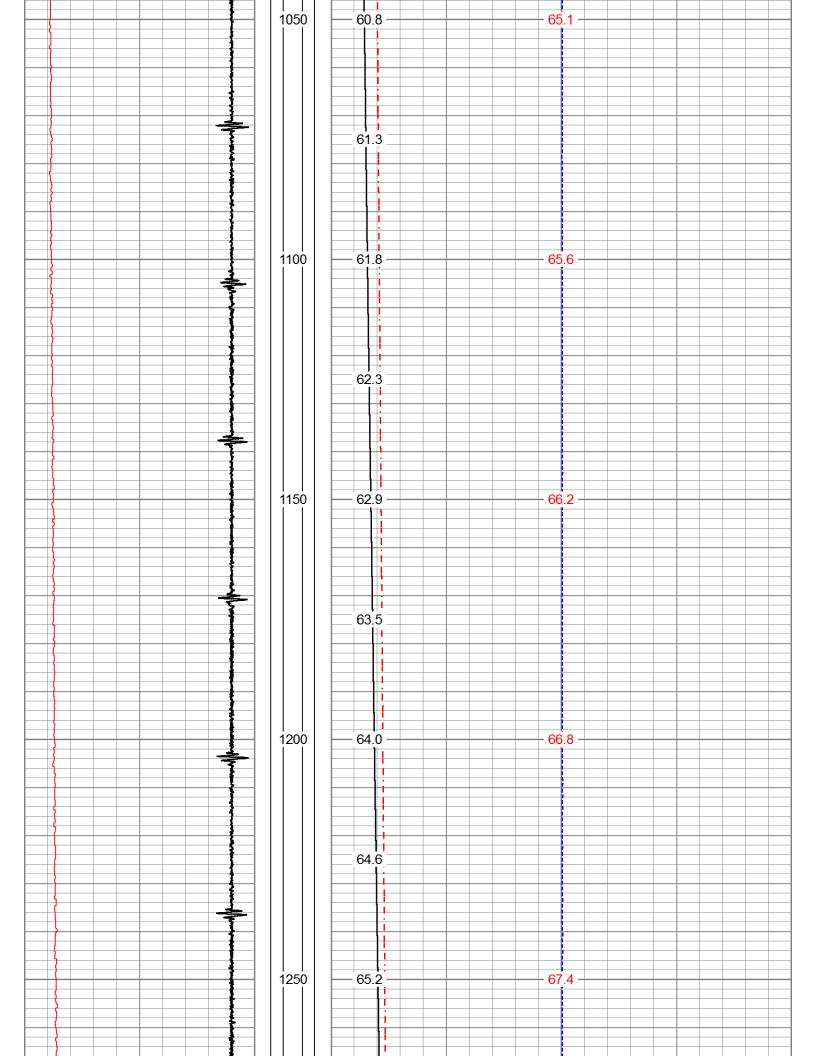


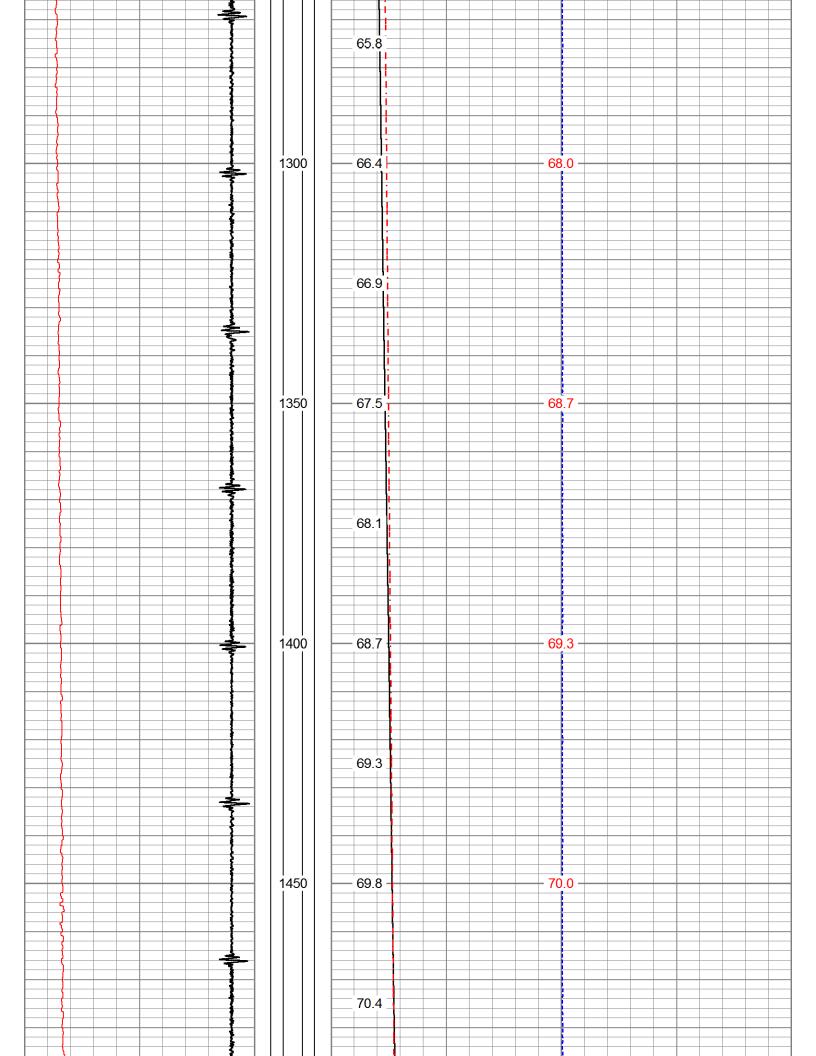


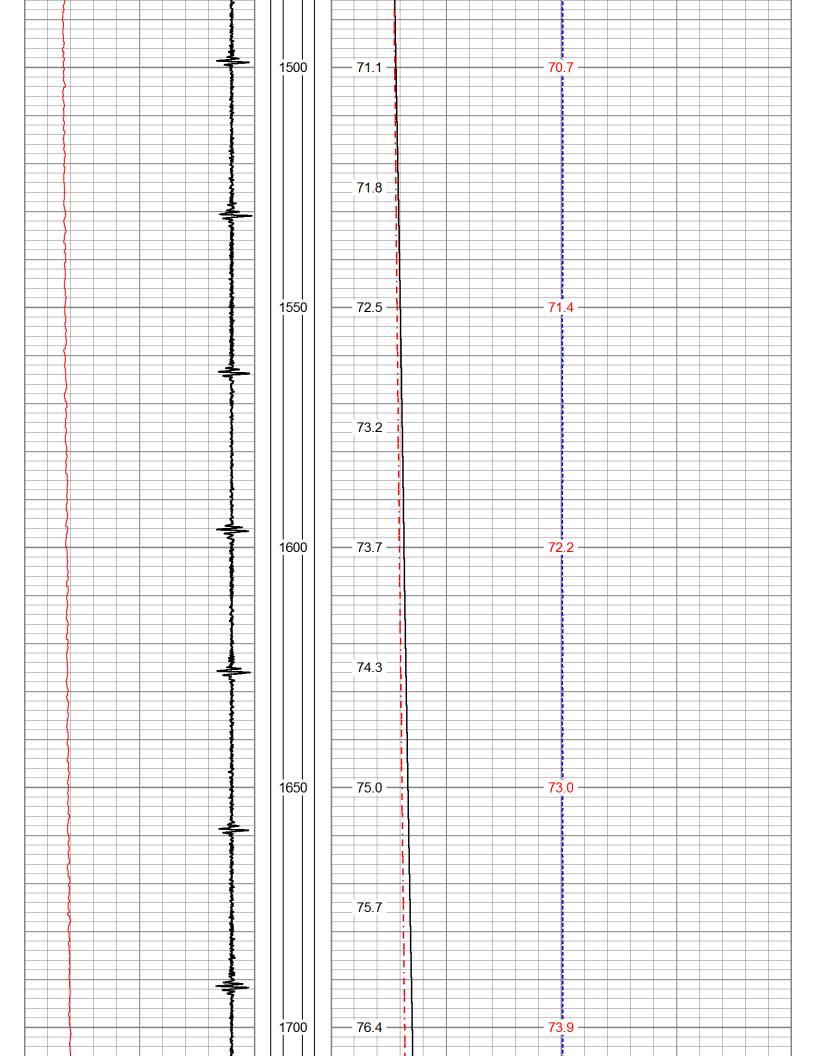


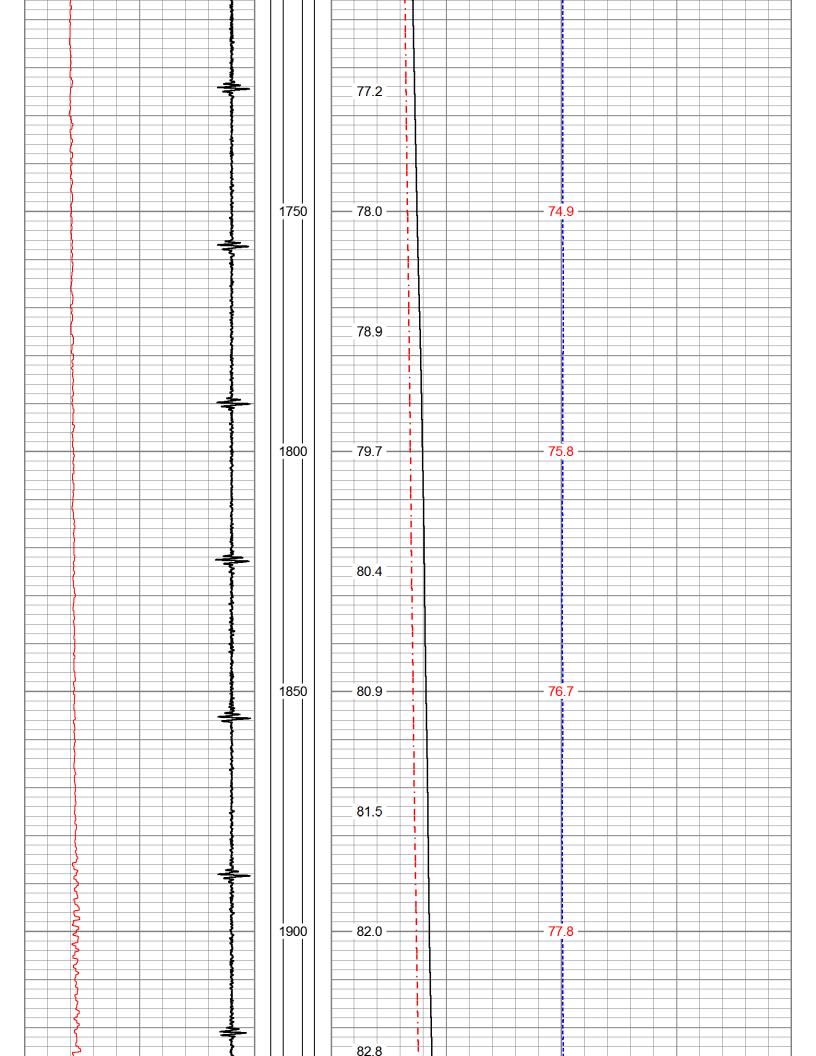


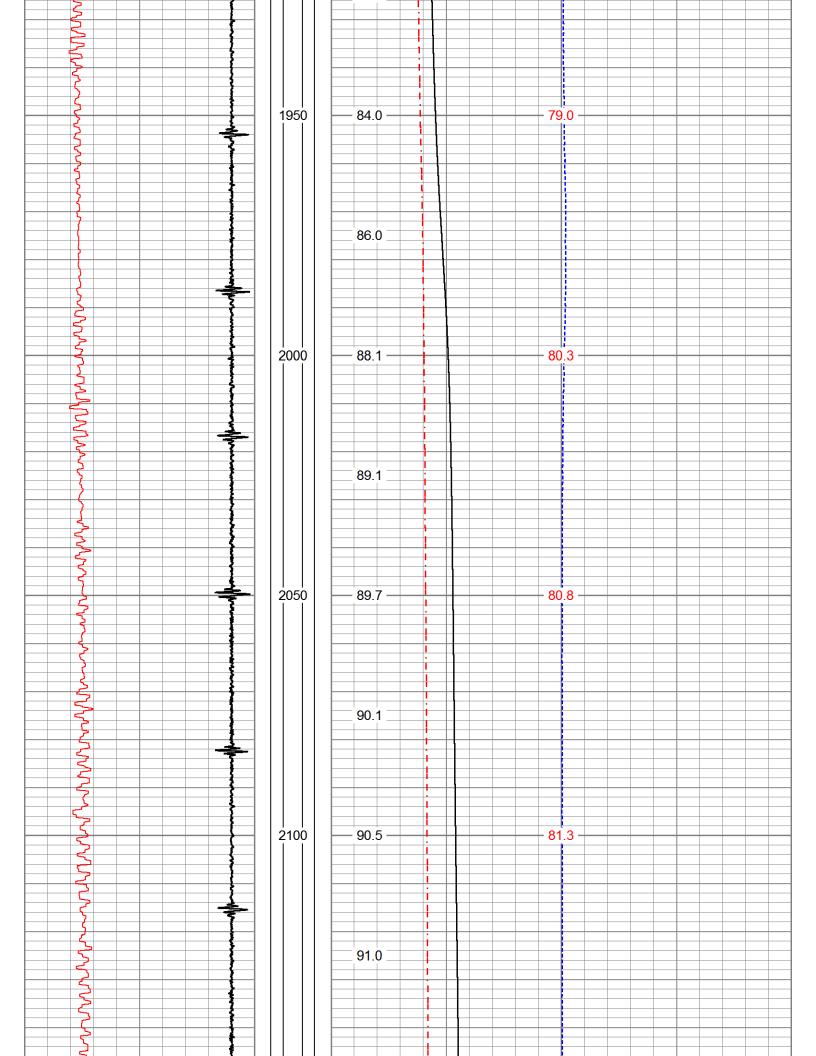


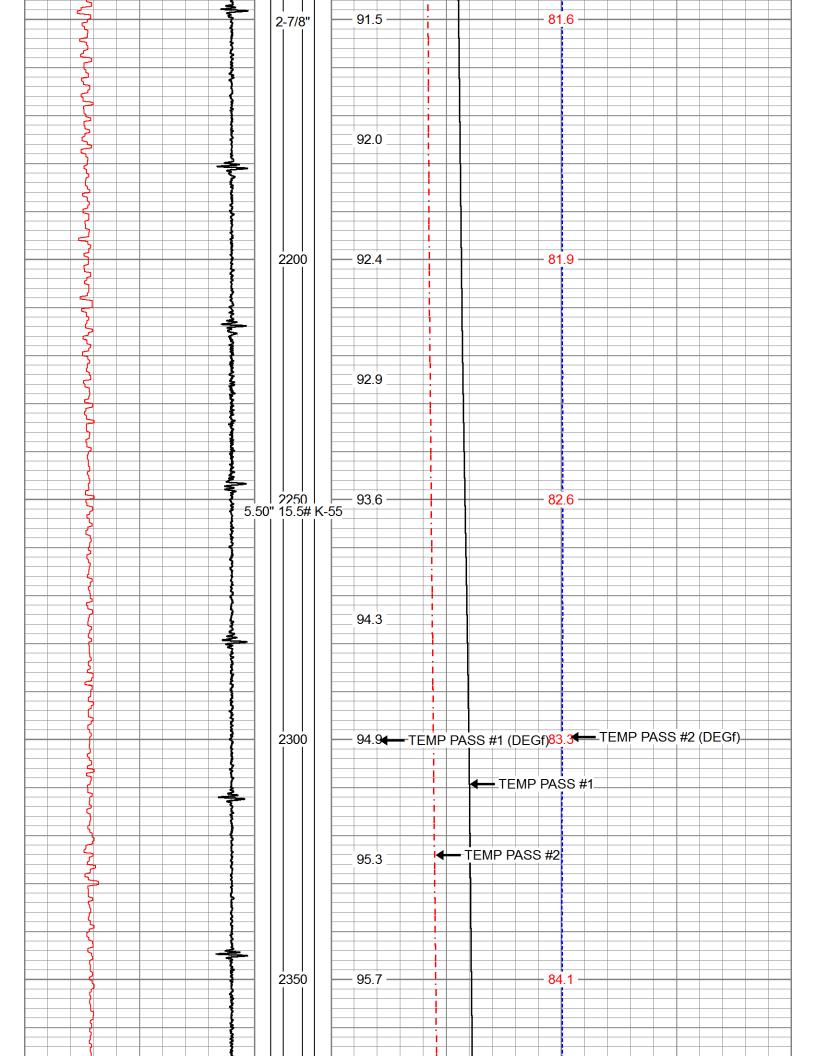


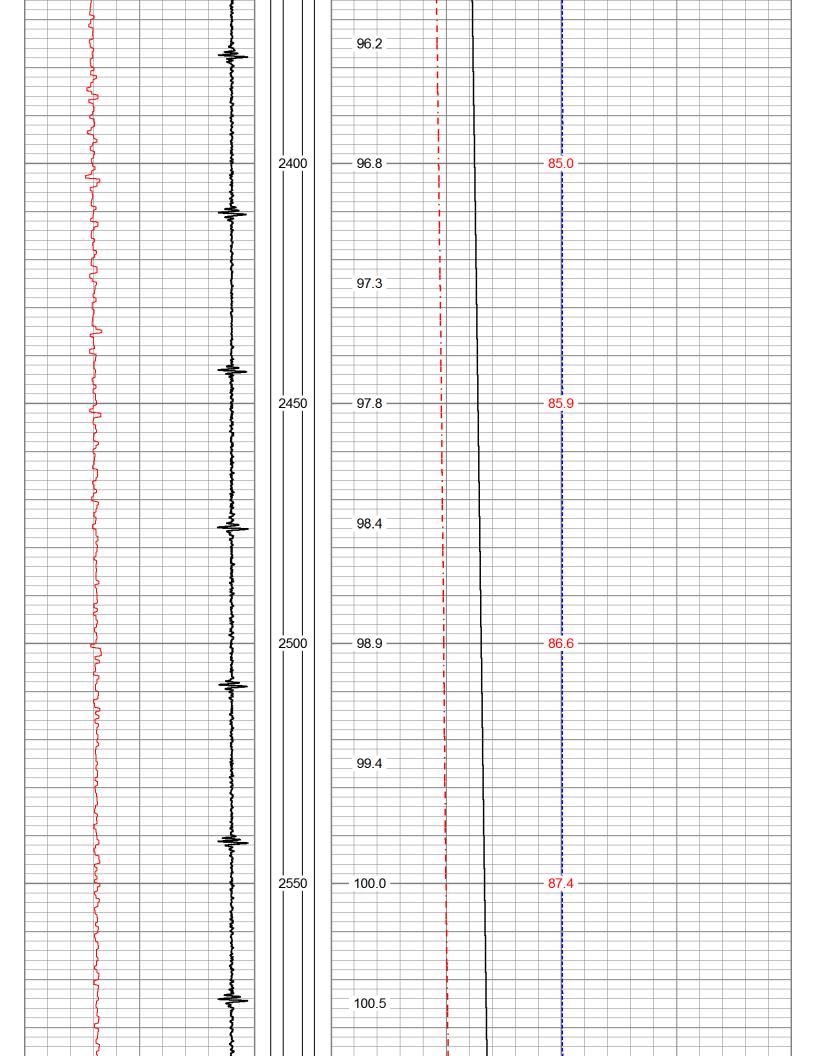


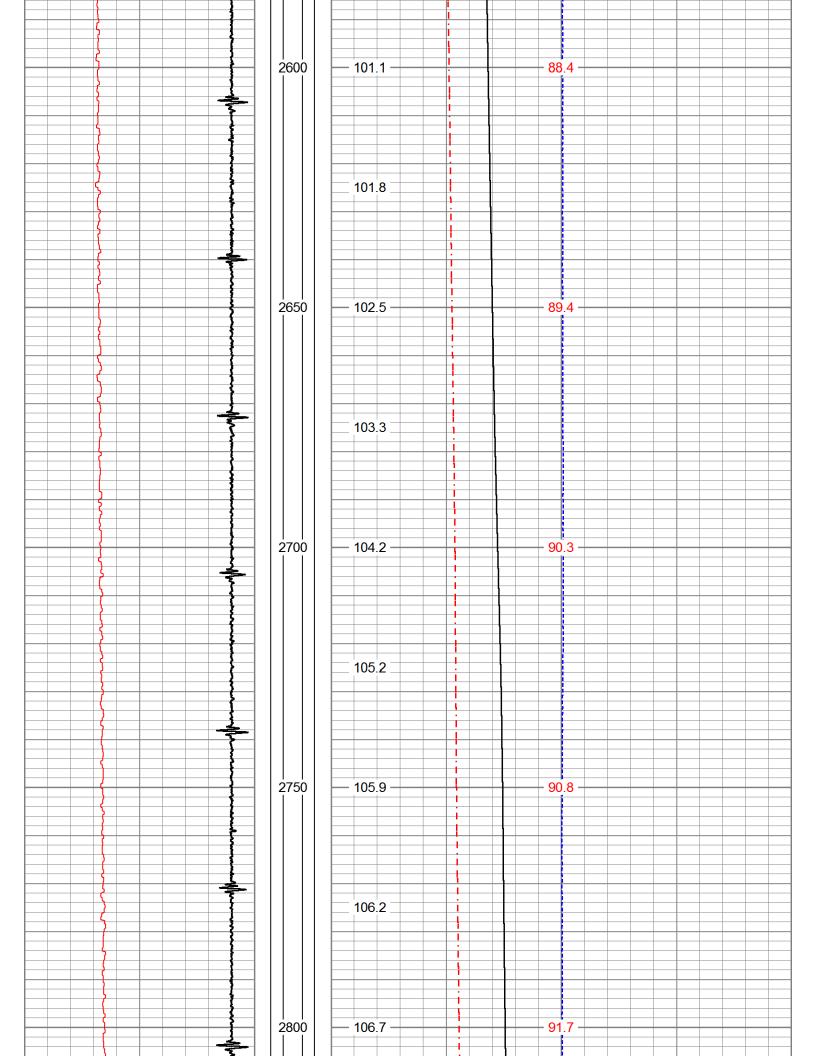


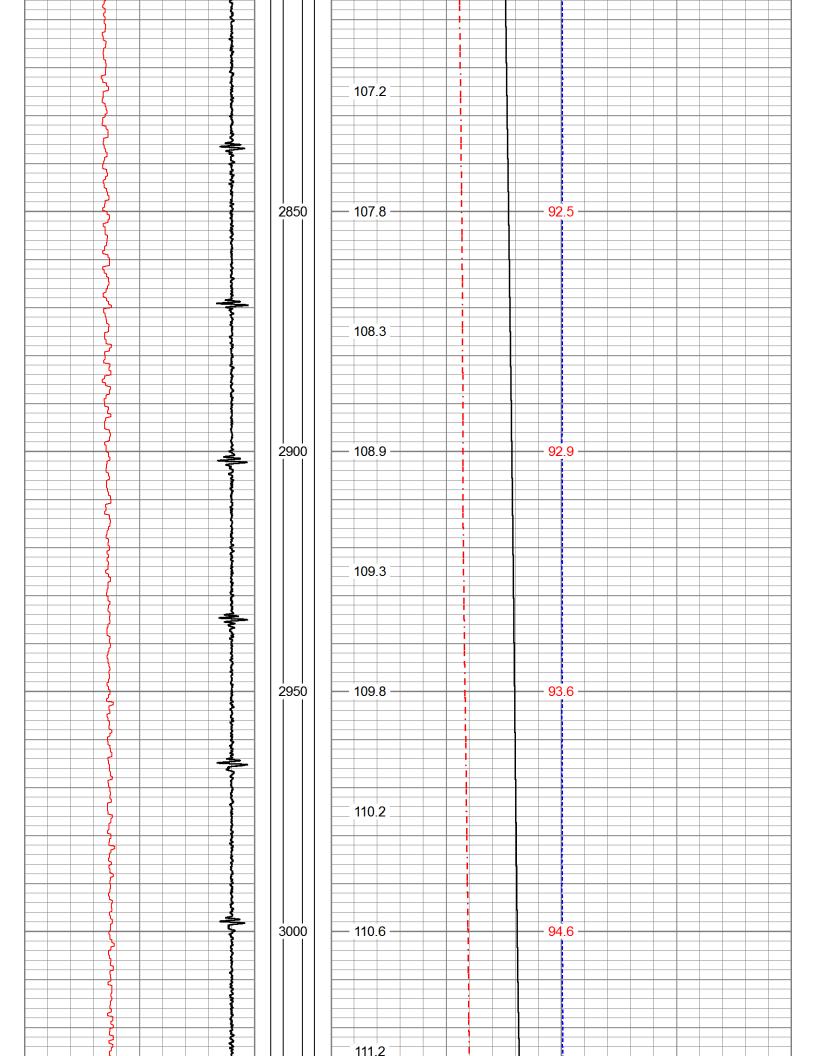


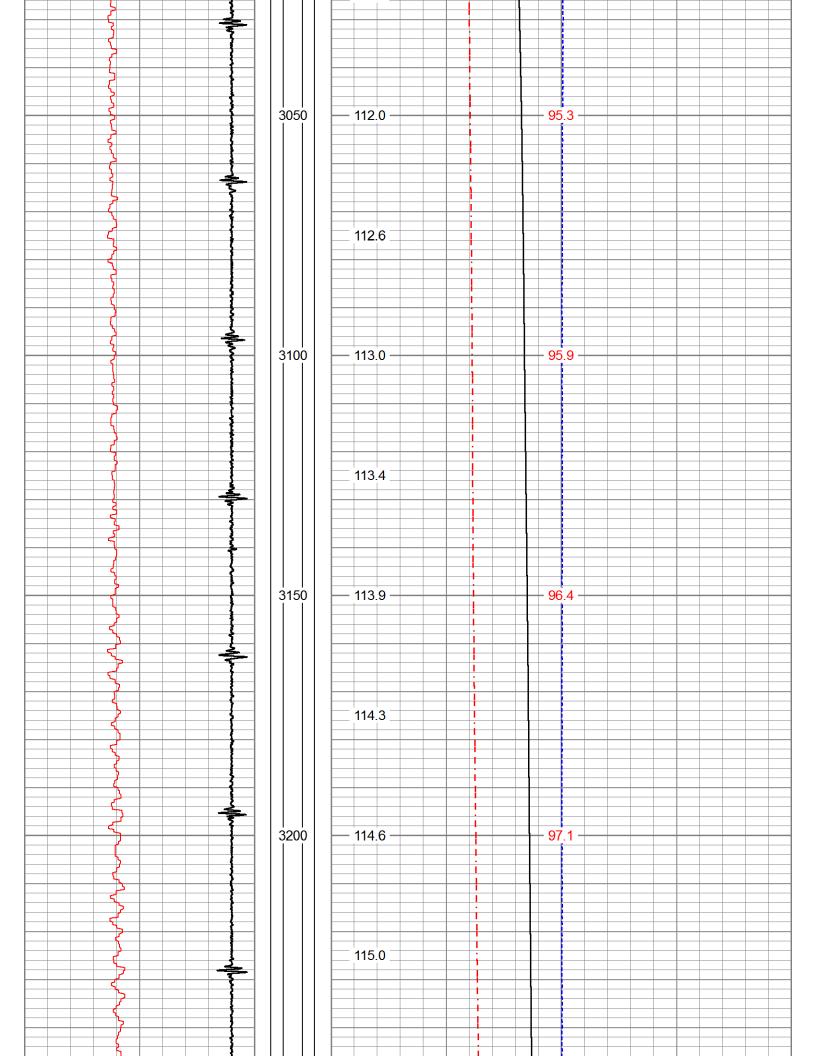


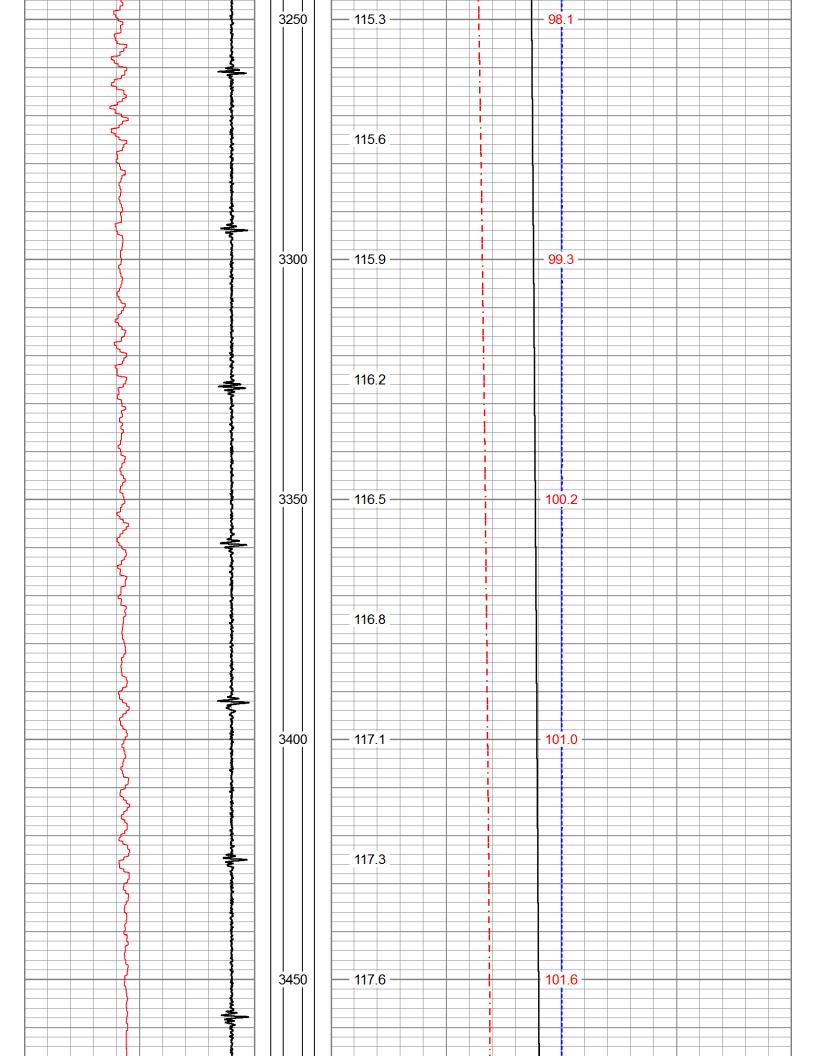


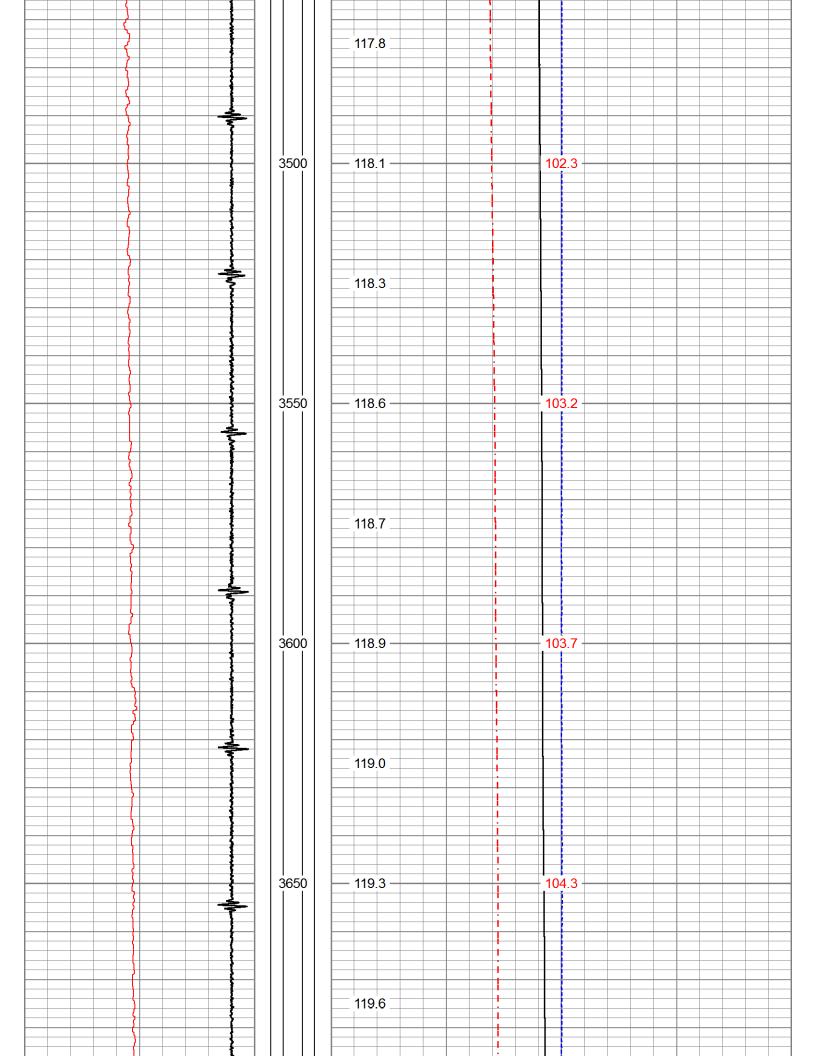


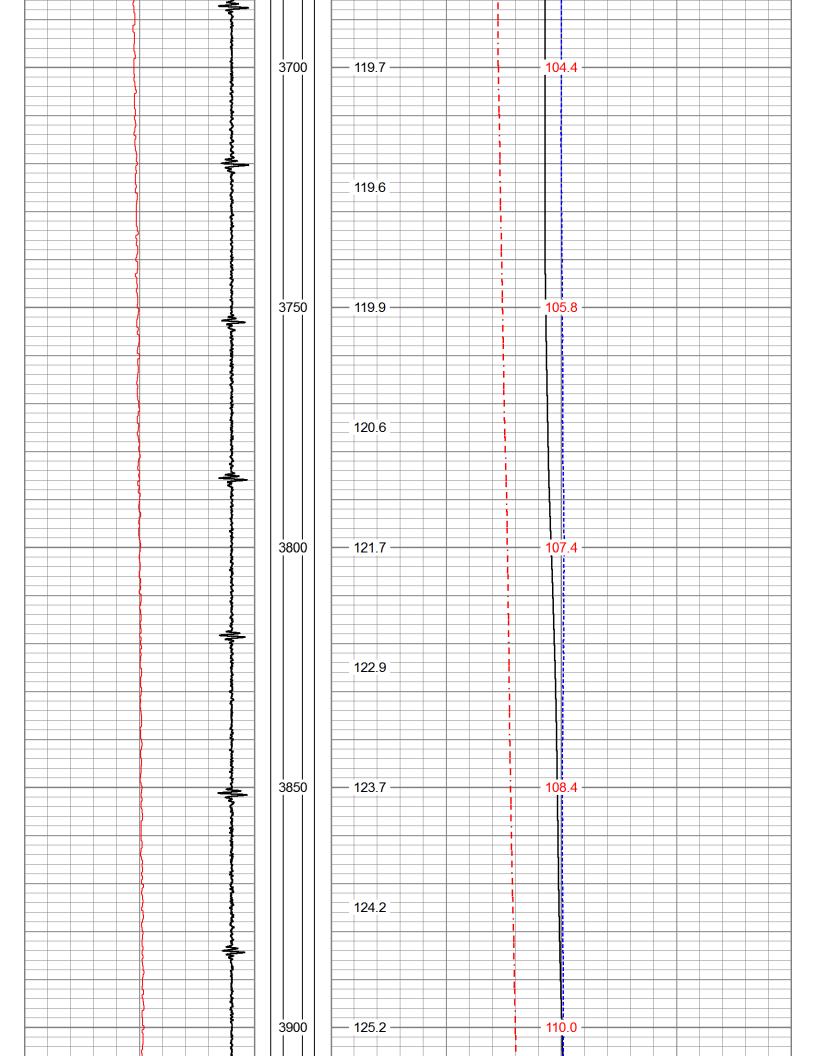


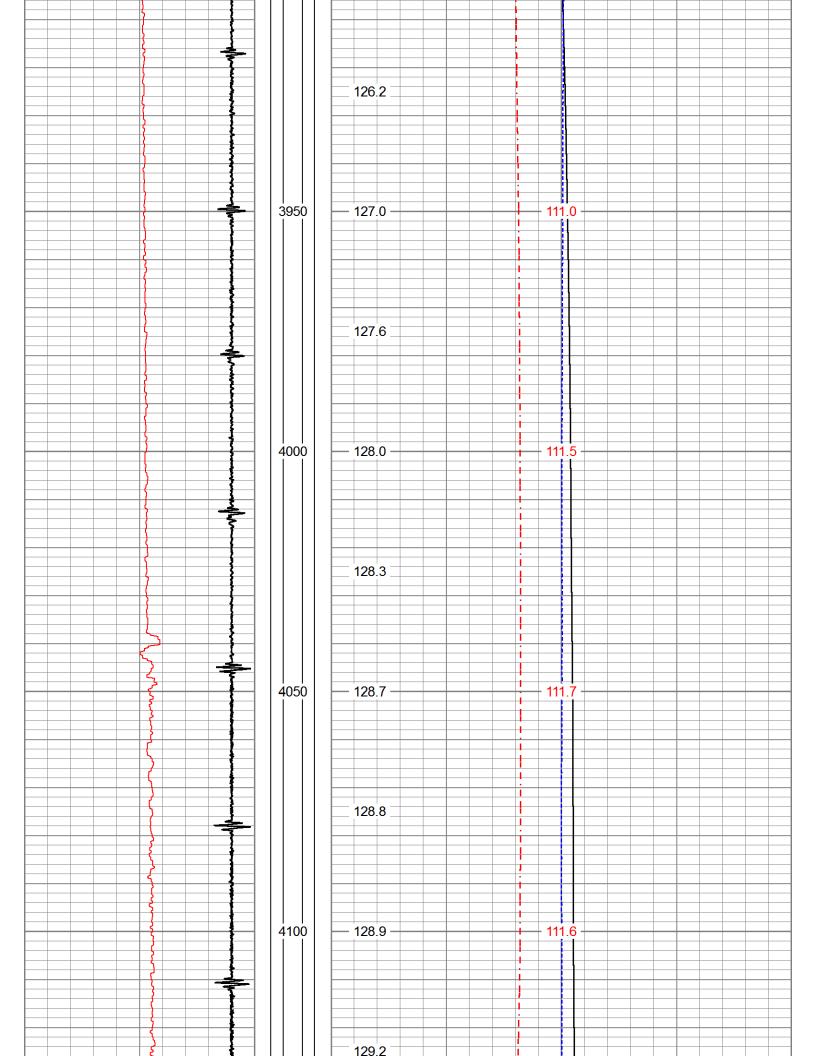


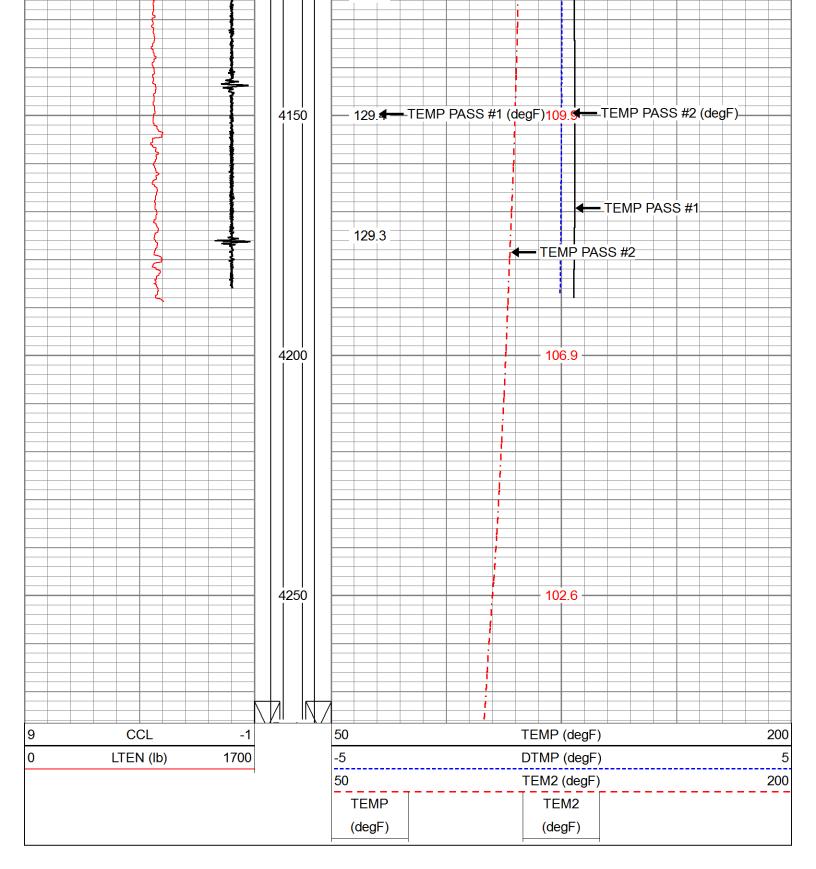




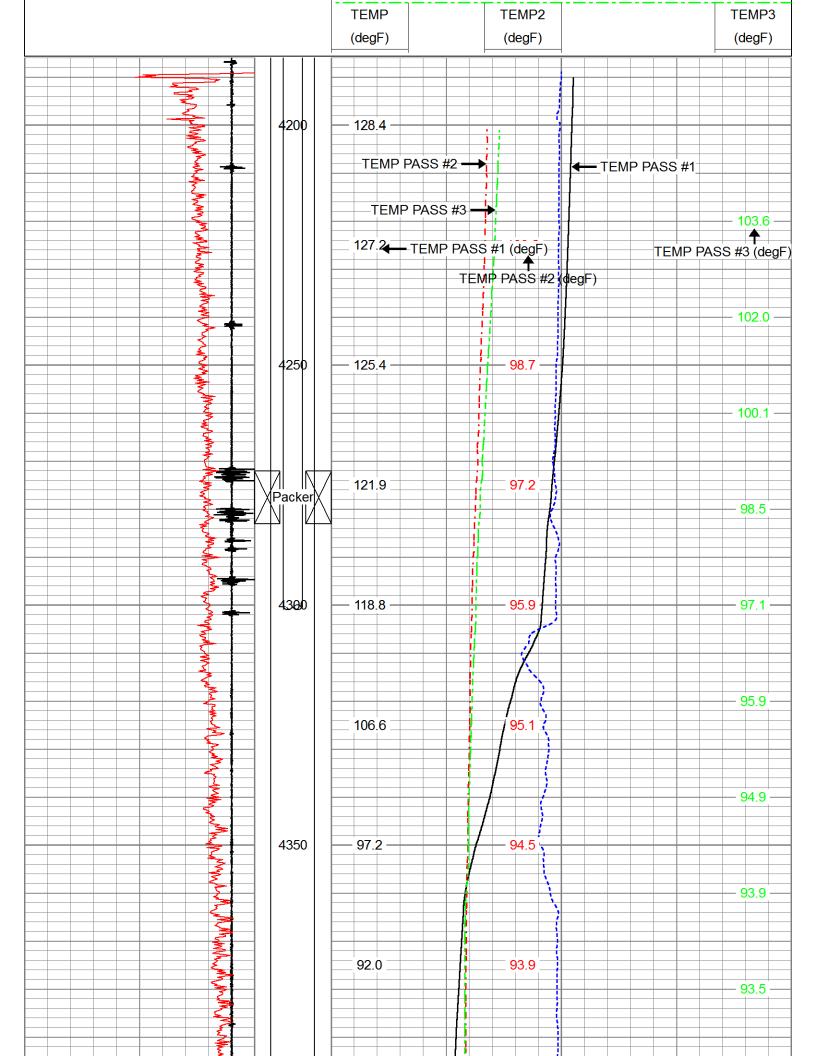


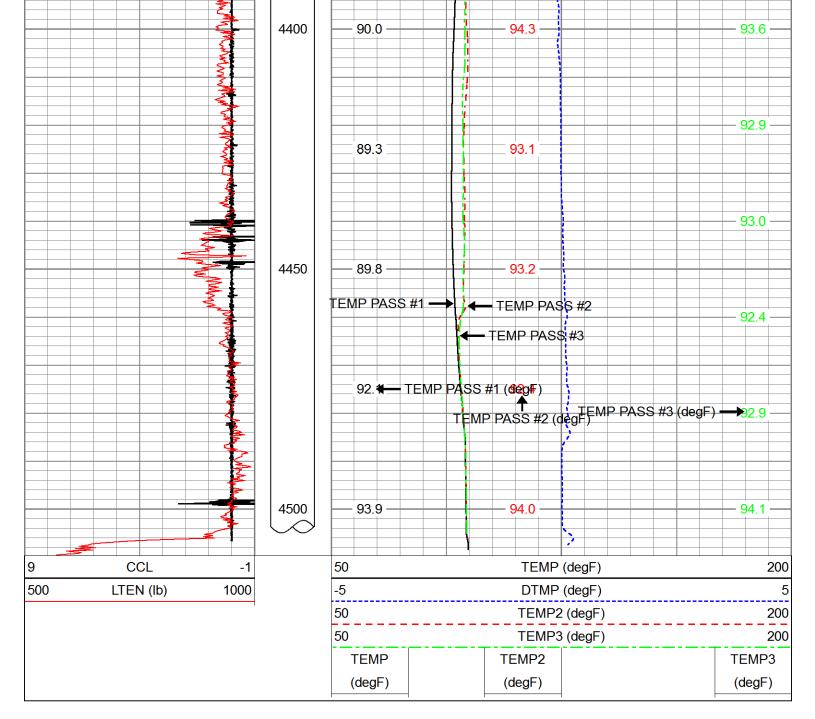






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			50	TEMP2 (degF)	200
			50	TEMP3 (degF)	200





			Calibration	Report			
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Dataset Creation	Tue Jun 26	13:38:22 2018					
		Tempe	erature Cali	bration Report			
		Serial Number:		FW1302-005			
		Tool Model:		Comprobe			
		Performed:		Thu Aug 25 10:11	:23 2016		
	Point #	Reading		Refe	erence		
	1	723.97	cps	70.0	0	degF	
	2	1134.76	cps	118.	00	degF	
	3	1726.70	cps	174.	00	degF	
	4		cps			degF	
	5		cps			degF	
	6		cps			degF	
	7		cps			degF	
	8		CDS			degF	

cps
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9 10

Chavez, Carl J, EMNRD

From:	Chavez, Carl J, EMNRD
Sent:	Thursday, June 21, 2018 2:08 PM
То:	Ryan Davis
Cc:	Sanchez, Daniel J., EMNRD; Griswold, Jim, EMNRD; Goetze, Phillip, EMNRD; Jeff Davis;
	Philana Thompson; Ryan Merrion; Shacie Murray; Griswold, Jim, EMNRD; Perrin, Charlie,
	EMNRD
Subject:	RE: Agua Moss Sunco Well Mtg.(UICI-5) C-103 Form Dated by Operator 6/14/2018
Attachments:	OCD C-103 Temp Survey Approval with Conditions 6-21-2018.pdf
•	

Ryan, et al.:

Good afternoon.

Please find attached the New Mexico Oil Conservation Division (OCD) approval with stipulated condition to your message with attached C-103 submittal below.

OCD needs to review the temperature survey and respond to the operator in advance of any operation of the well. OCD will work to expedite the results of the temperature survey and recommend that you transmit the results via Acrobat Reader[™] to assist in this effort.

OCD- Santa Fe will process the form into the OCD API record and UICI-5 record.

Please contact me if you have questions. Thank you.

Mr. Carl J. Chavez, CHMM (#13099) New Mexico Oil Conservation Division Energy Minerals and Natural Resources Department 1220 South St Francis Drive Santa Fe, New Mexico 87505 Ph. (505) 476-3490 E-mail: <u>Carl J. Chavez@state.nm.us</u> "Why not prevent pollution, minimize waste to reduce operating costs, reuse or recycle, and move forward with the rest of the Nation?" (To see how, go to: <u>http://www.emnrd.state.nm.us/OCD</u> and see "Publications")

From: Ryan Davis <rdavis@merrion.bz>
Sent: Tuesday, June 19, 2018 10:23 AM
To: Chavez, Carl J, EMNRD <CarlJ.Chavez@state.nm.us>
Cc: Sanchez, Daniel J., EMNRD <daniel.sanchez@state.nm.us>; Griswold, Jim, EMNRD <Jim.Griswold@state.nm.us>;
Goetze, Phillip, EMNRD <Phillip.Goetze@state.nm.us>; Jeff Davis <jdaguamoss@hotmail.com>; Philana Thompson <pthompson@merrion.bz>; Ryan Merrion <ryan@merrion.bz>; Shacie Murray <shacie@merrion.bz>
Subject: Re: Agua Moss Sunco Well Mtg.

Carl,

I received the calendar invite for a meeting on the Sunco Facility but it appears to be in the past. Did you intend the date to be 06/21?

While you were out of the office the Agua Moss folks (Jeff Davis, Ryan Merrion, Philana Thompson, Shacie Murrary and myself) had a conference call with Daniel Sanchez, Jim Griswold and Phillip Goetze on June 13th. Based on the discussion on the phone, we submitted an NOI to the district office with a copy sent to Santa Fe as well. Attached is the NOI submitted. If you would like to discuss the NOI we would be glad to do so.

Thanks,

Ryan Davis

Operations Manager



(W) 505-215-3292

On Tue, Jun 19, 2018 at 9:54 AM, Chavez, Carl J, EMNRD <<u>CarlJ.Chavez@state.nm.us</u>> wrote:

Tentative Date and Time for Telephone Communication Call.

Link to OCD Admin. Record (UICI-5)

See MIT Variation from Ryan Davis (Merrion Oil)

Tentative Agenda

- 1. Introd.
- 2. Well Discussion (Discussion of Well Diagram, Problem and Trouble Shooting)
- 3. Ryan Davis MIT Variant Test for Disposal Well to Allow Continued Operation of Commercial Class I (NH) Disposal Well San Juan Co.
- 4. Well Issues
- 5. Path Forward
- 6. Miscel.
- 7. End

Office	State of New M	lexico	Form C-10		
District I - (575) 393-6161	Energy, Minerals and Nat	tural Resources	Revised July 18, 20		
1625 N. French Dr., Hobbs, NM 88240			WELL API NO.		
District II - (575) 748-1283 811 S. First St., Artesia, NM 88210	OIL CONSERVATION	N DIVISION	30-045-28653 5. Indicate Type of Lease		
District III - (505) 334-6178	1220 South St. Fra	ancis Dr.	STATE FEE		
1000 Rio Brazos Rd., Aztec, NM 87410 District IV - (505) 476-3460	Santa Fe, NM 87505		6. State Oil & Gas Lease No.		
1220 S. St. Francis Dr., Santa Fe, NM 87505					
DO NOT USE THIS FORM FOR PROPO DIFFERENT RESERVOIR. USE "APPLIC		LUG BACK TO A	7. Lease Name or Unit Agreement Name Sunco Disposal		
PROPOSALS.) 1. Type of Well: Oil Well	Gas Well Other SWD Class	8. Well Number			
2. Name of Operator			9. OGRID Number		
Agua Moss, LLC			247130		
3. Address of Operator	-		10. Pool name or Wildcat		
PO Box 600 Farmington, NM 8749	19		SWD MV		
4. Well Location					
Unit Letter E :	feet from theNorth	h line and1	005feet from theWestline		
Section 2	Township 29N	Range 12W	NMPM County San Juan		
	11. Elevation (Show whether DI	R, RKB, RT, GR, etc			
		9' GL .	and the second se		
		CASING/CEMEN	П ЈОВ 🔲		
	-	OT IT D			
OTHER:	ated operations (Clearly state all	OTHER:	d rive pertinent datar, including estimated d		
OTHER: 13. Describe proposed or comp	ck). SEE RULE 19.15.7.14 NMA	pertinent details, an	d give pertinent dates, including estimated dates, including estimated dates, including estimated dates and the set of th		
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will perform <u>monthly</u> annulus pressure tests at 1000 psig to verify sustained annulus integrity. Disposal operations will discontinue if there is a substantial variation from the normal casing pressure trend or in the event that casing pressure falls below 100 psig.

Spud Date:		An Maria and An Angelon (1997) The Constant of Constant of Constant of Constant of Const Constant of Constant of Const Constant of Constant of Constan	Rig Release Date:		
I hereby cert SIGNATUR	tify that the information	m above is true and	complete to the best of my	knowledge and belief.	TE_6/14/2018
For State U	bit namePhilana These Only D BY: D BY: Df Approval (if any):	/		son@merrion.bz PHONE:	
	provide + oparators based on Approval	emperatur , Conclusi Suryay y W/ Condi	e Survey nesu in(s) and as results for a tions or disc	Its to OCD-SF my recommend oCD-SF appro pproval.	with ations val,

Submit 1 Copy To Appropriate District Office <u>District 1</u> – (575) 393-6161 1625 N. French Dr., Hobbs, NM 88240 <u>District II</u> – (575) 748-1283	State of Ne Energy, Minerals an	d Natural	Resources	WELL API NC 30-045-28653	Form C-103 Revised July 18, 2013	
811 S. First St., Artesia, NM 88210 <u>District III</u> = (505) 334-6178 1000 Rio Brazos Rd., Aztec, NM 87410 <u>District IV</u> = (505) 476-3460 1220 S. St. Francis Dr., Santa Fe, NM 87505	OIL CONSERVATION DIVISION 1220 South St. Francis Dr. Santa Fe, NM 87505			 5. Indicate Typ STATE 6. State Oil & 	🗌 FEE 🛛	
	ICES AND REPORTS ON V	VELLS		7. Lease Name	or Unit Agreement Name	
(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.)	CATION FOR FERMIN (FORM C	-101) FOR 3	UCH	Sunco Disposa		
1. Type of Well: Oil Well 🔲 Gas Well 🗌 Other SWD Class I				8. Well Number		
2. Name of Operator				9. OGRID Nur	nber	
Agua Moss, LLC				247130		
3. Address of Operator				10. Pool name or Wildcat		
PO Box 600 Farmington, NM 87499				SWD MV		
4. Well Location						
Unit Letter_E:	1595feet from the	_North	line and100	05feet fi	om theWestline	
Section 2	Township 29N	Ran	ge 12W	NMPM Cou	inty San Juan	
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 5859' GL						
12. Check	Appropriate Box to Indic	ate Natu	re of Notice, F	Report or Othe	er Data	
NOTICE OF INTENTION TO:			SUBS	EQUENT R	EPORT OF:	
PERFORM REMEDIAL WORK V PLUG AND ABANDON			EMEDIAL WORK		ALTERING CASING	
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DOWNHOLE COMMINGLE						
CLOSED-LOOP SYSTEM						
OTHER: 13 Describe proposed or comp	lated exerctions (Claudu at		THER:			

 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.

Agua Moss LLC proposes to conduct a temperature survey as an additional verification of mechanical integrity on the Sunco #1. The NMOCD will be notified 24 hrs prior to executing the following procedure:

- 1. Rig up slickline and retrieve the tubing plug set at 4,278' KB.
- 2. Rig down slickline
- 3. Rig up wireline
- 4. Run a temperature survey down to the Pt. Lookout injection interval and log from 4,460' KB to surface
- 5. Inject a minimum of 100 bbls down the well until annulus pressure stabilizes indicating temperature stabilization
- 6. Run another temperature survey from 4,460' KB to surface
- 7. Rig down wireline
- 8. Using the results from the temperature surveys, identify any anomalies outside the normal temperature gradient and demonstrate that injection is contained within the Pt. Lookout formation
- 9. Provide these temperature survey results to the NMOCD.
- 10. Once test results are verified, return the well to injection

During normal disposal operations, casing pressure will be monitored to verify that the loss of annulus fluid is not occurring. A minimum casing pressure of 100 psig will also be maintained as a precautionary measure. Agua Moss also will perform <u>monthly</u> annulus pressure tests at 1000 psig to verify sustained annulus integrity. Disposal operations will discontinue if there is a substantial variation from the normal casing pressure trend or in the event that casing pressure falls below 100 psig.

Spud Date:		Rig Release Date:			
				-	
I hereby certify that the information above is true and complete to the best of my knowledge and belief.					

MIST	1	2	
SIGNATURE JANUM VIIII	TITLE_Regulatory	Compliance Specalist	_DATE6/14/2018
Type or print namePhilana Thompson E-ma	il address:pthom	npson@merrion.bz PH0	ONE: _505-486-1171
For State Use Only			

APPROVED BY:	
Conditions of Approval (if any):	

_TITLE__

DATE