

Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

Form ACO-1

January 2018

Form must be Typed

Form must be Signed

All blanks must be Filled

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # _____

Name: _____

Address 1: _____

Address 2: _____

City: _____ State: _____ Zip: _____ + _____

Contact Person: _____

Phone: (_____) _____

CONTRACTOR: License # _____

Name: _____

Wellsite Geologist: _____

Purchaser: _____

Designate Type of Completion:

New Well Re-Entry Workover

Oil WSW SWD

Gas DH EOR

OG GSW

CM (Coal Bed Methane)

Cathodic Other (Core, Expl., etc.): _____

If Workover/Re-entry: Old Well Info as follows:

Operator: _____

Well Name: _____

Original Comp. Date: _____ Original Total Depth: _____

Deepening Re-perf. Conv. to EOR Conv. to SWD
 Plug Back Liner Conv. to GSW Conv. to Producer

Commingled Permit #: _____

Dual Completion Permit #: _____

SWD Permit #: _____

EOR Permit #: _____

GSW Permit #: _____

Spud Date or Date Reached TD Completion Date or
Recompletion Date Recompletion Date

API No.: _____

Spot Description: _____

_____ - _____ - _____ Sec. _____ Twp. _____ S. R. _____ East West

_____ Feet from North / South Line of Section

_____ Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

NE NW SE SW

GPS Location: Lat: _____, Long: _____
(e.g. xx.xxxxx) (e.g. -xxx.xxxxx)

Datum: NAD27 NAD83 WGS84

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Vertical Depth: _____ Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: _____ Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set: _____ Feet

If Alternate II completion, cement circulated from: _____

feet depth to: _____ w/ _____ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: _____ ppm Fluid volume: _____ bbls

Dewatering method used: _____

Location of fluid disposal if hauled offsite:

Operator Name: _____

Lease Name: _____ License #: _____

Quarter _____ Sec. _____ Twp. _____ S. R. _____ East West

County: _____ Permit #: _____

AFFIDAVIT

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Submitted Electronically

KCC Office Use ONLY

Confidentiality Requested

Date: _____

Confidential Release Date: _____

Wireline Log Received Drill Stem Tests Received

Geologist Report / Mud Logs Received

UIC Distribution

ALT I II III Approved by: _____ Date: _____

Operator Name: _____ Lease Name: _____ Well #: _____

Sec. _____ Twp. _____ S. R. _____ East West County: _____

INSTRUCTIONS: Show important tops of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

Drill Stem Tests Taken <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No Geologist Report / Mud Logs <input type="checkbox"/> Yes <input type="checkbox"/> No List All E. Logs Run:	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum
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CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone				

1. Did you perform a hydraulic fracturing treatment on this well? Yes No *(If No, skip questions 2 and 3)*
2. Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? Yes No *(If No, skip question 3)*
3. Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry? Yes No *(If No, fill out Page Three of the ACO-1)*

Date of first Production/Injection or Resumed Production/Injection:	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____			
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio Gravity

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <i>(Submit ACO-4)</i>	PRODUCTION INTERVAL: Top Bottom
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Shots Per Foot	Perforation Top	Perforation Bottom	Bridge Plug Type	Bridge Plug Set At	Acid, Fracture, Shot, Cementing Squeeze Record <i>(Amount and Kind of Material Used)</i>

TUBING RECORD:	Size:	Set At:	Packer At:	
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GEOLOGICAL REPORT FINAL

Larry A. Nicholson

NAD 83
39 71630708
-100.44293619

COMPANY Suemaur Exploration & Production, LLC		FIELD WELL # #1-10	
API # 15-039-21263	LEASE Ritter #1-10 SW SE NE SE	ELEVATIONS	
LOCATION 1478' FSL 375' FEL SW SE NE SE	SURVEY 1478' FSL 375' FEL	K.B. 2721	
SECTION 10	TWP 04S	D.F. 2716	
COUNTY Decatur	STATE Ks	All measurements from K.B. 2721	

CONTRACTOR Murfin Drilling, Inc.	Rig # 7
SPUD 09-14-19 12:30 pm	COMP ELEC
RTD 4487 3:24am 09-21-19	LTD 4427
MUD UP AT 3187-3218 450 bbls	G.L. 2716
MUD TYPE Chemical Morgan Mud	Flow Lines

FORMATION	SAMPLE TOP	SURFACE DATUM	ELEC LOG TOP	SURFACE DATUM	REFERENCE WELL
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Haebner			3810	-1089	
Lansing			3818	-1095	
LANS B			3854	-1133	
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LANS J			3878	-1157	
Stark Sh			3994	-1273	
LANS K			4004	-1283	
BKC			4018	-1297	
Arb			4047	-1326	
RTD			4353	-1632	
LTD			4487	-1766	
LTD			4480	-1759	

LAN 792, Modified 5/05, 11/11, 4/12, 4/18 1inch=25.4mm 8.5 x 97.5 216 mm x 2460 mm

DRILLSTEM TEST SUMMARY: **In general the well drilled true. Due to lack or weak shows, and dst results, the well was P&A**

REMARKS & RECOMMENDATIONS: *** Note there was 7 ft difference between RTD 4487' and LTD 4480'. At the Anhydrite there was 5' difference.**

*** The GeoReport curves and descriptions were moved up 7 feet to match the electric log.**

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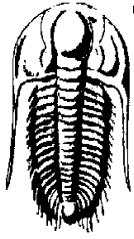
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TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Suemaaur Exploration LLC

10/4s/28w Decatur KS

555 N Carancahua STE 1230 Corpus Christi TX 78401

Ritter #1-10

Job Ticket: 66036

DST#: 1

ATTN: Larry Nicholson

Test Start: 2019.09.18 @ 20:45:00

GENERAL INFORMATION:

Formation: **Lansing C**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 23:28:10

Time Test Ended: 04:24:50

Test Type: Conventional Bottom Hole (Initial)

Tester: Shawn Wheelbarger

Unit No: 76

Interval: 3873.00 ft (KB) To 3892.00 ft (KB) (TVD)

Reference Elevations: 2721.00 ft (KB)

Total Depth: 3892.00 ft (KB) (TVD)

2716.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

Serial #: 8355 Outside

Press@RunDepth: 134.47 psig @ 3874.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2019.09.18

End Date:

2019.09.19

Last Calib.:

2019.09.19

Start Time: 20:45:01

End Time:

04:24:50

Time On Btm:

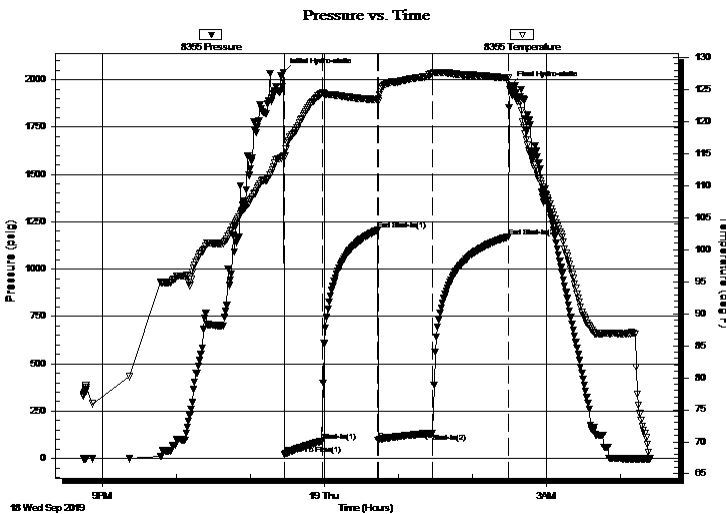
2019.09.18 @ 23:27:10

Time Off Btm:

2019.09.19 @ 02:30:50

TEST COMMENT: 30-IF-1/4" Blow @ open built to 6 1/4"
45-ISI-No blow back
45-FF-Blow built to 5"
60-FSI-No blow

PRESSURE SUMMARY



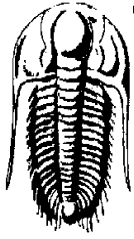
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2037.99	114.61	Initial Hydro-static
1	22.32	114.57	Open To Flow (1)
32	92.53	124.41	Shut-In(1)
77	1204.71	123.42	End Shut-In(1)
77	97.18	123.22	Open To Flow (2)
121	134.47	127.54	Shut-In(2)
183	1171.08	126.78	End Shut-In(2)
184	1966.25	124.98	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
253.00	SMCW 94%W, 6%M	1.91

Gas Rates

Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Suemaaur Exploration LLC

10/4s/28w Decatur KS

555 N Carancahua STE 1230 Corpus Christi TX
78401

Ritter #1-10

Job Ticket: 66036

DST#: 1

ATTN: Larry Nicholson

Test Start: 2019.09.18 @ 20:45:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

19000 ppm

Viscosity: 55.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.80 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1300.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
253.00	SMCW 94%W, 6%M	1.909

Total Length: 253.00 ft Total Volume: 1.909 bbl

Num Fluid Samples: 0

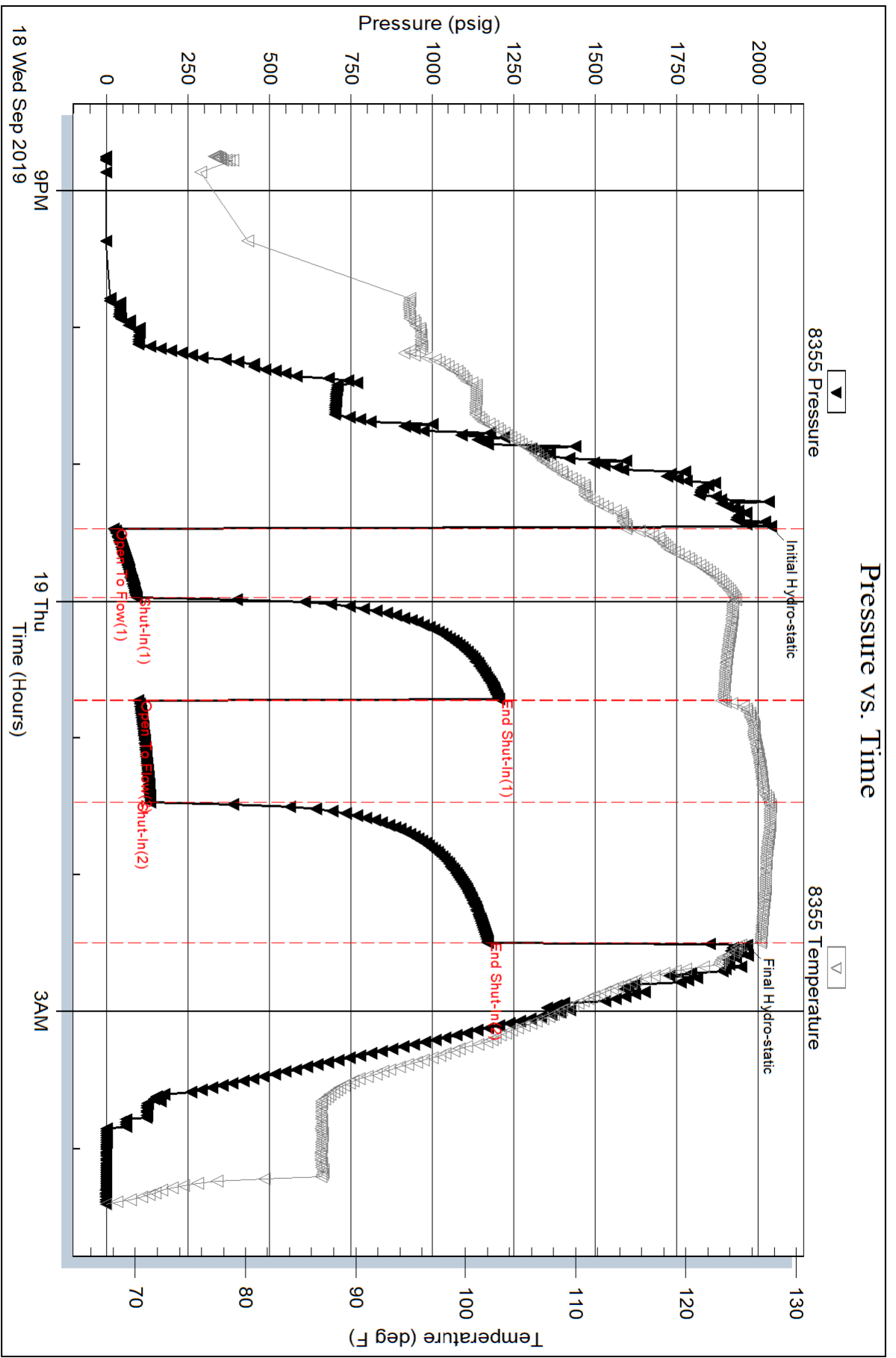
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW .422 @ 59.2 DEG F 19000 PPM



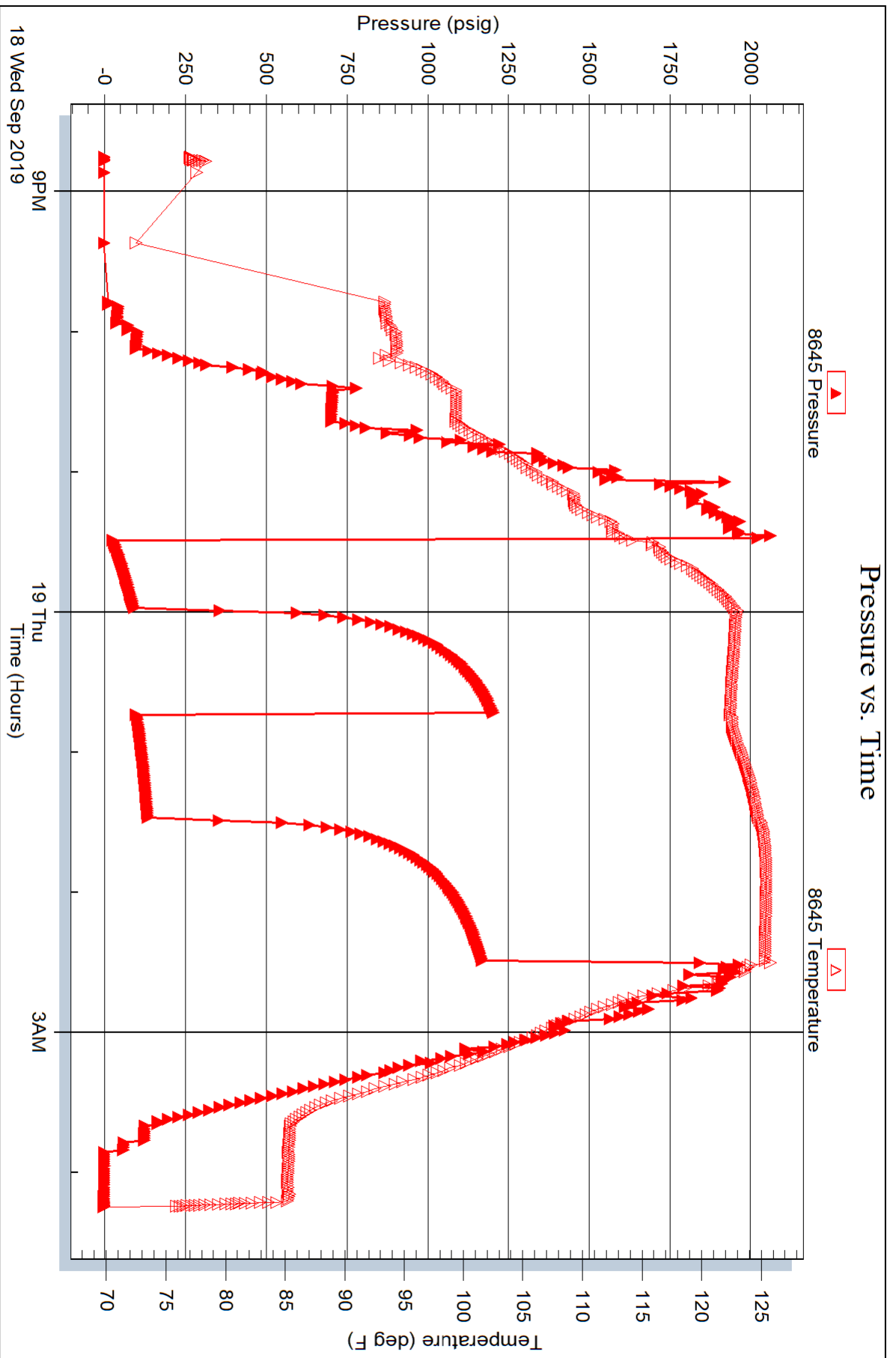
Serial #: 8645

Inside

Suenaaur Exploration LLC

Ritter #1-10

DST Test Number: 1





CEMENT TREATMENT REPORT

Customer: Suemaur E&P LLC	Well: Ritter #1-10	Ticket: ICT2403
City/State: Corpus Christie, TX	County: Decatur, KS	Date: 9/14/2019
Field Rep: Arturo	S-T R: Sec 10 - T4S - R28W	Service: Surface

Downhole Information	
Hole Size:	12 1/4 in
Hole Depth:	282 ft
Casing Size:	8 5/8 in
Casing Depth:	262 ft
Tubing Inner:	in
Depth:	ft
Tub. Packers:	
Depth:	ft
Displacement:	18.7 bbls

Calculated Slurry	
Weight:	14.8 # / sx
Water/Sx:	6.30 gal / sx
Yield:	1.32 ft³ / sx
Bbl / ft:	0.0735
Depth:	282 ft
Annular Volume:	19.257 bbls
Excess:	150%
Total Slurry:	48.1 bbls
Total Sacks:	205 sx

Product	#	#
Class C	100.00	19270
Poz		
Gel		
CaCl	3.00	578
Gypsum		
Metso		
Kol Seal		
Flo Seal	0.25	50
Salt (bww)		
Total		19,898

TIME	RATE	PSI	DBL	REMARKS
9:30				Called for job
13:30				Depart Oakley yard
14:30				Arrive on locn
14:35				JSA, discuss moving on, spotting & rigging up equipment
14:40				Move on, spot & rig up equipment
15:00				Rig-up complete. Rig perform wiper trip
15:25				Rig TOH w/ DP
15:40				Rig RH w/ csg
16:27				Casing @ setting depth
16:30	6.5	78.0		Circulate & condition hole
16:40	3.5	85.0	5.0	Pump water
16:44	2.5	180.0	49.0	Mix & pump 180sx @ 14.8ppg. Y - 1.32cuft/sk, MW - 6.3g/sk
17:07	2.5	150.0		Displace w/ water
17:09	2.5	200.0	5.5	Cement returns to surface Note: 10bbls / 42sx of cement circulated to surface.
17:13			15.4	Shutdown & shut-in
17:15				Wash-up pumps & lines
17:25				JSA, discuss rigging down & racking up equipment
17:30				Rig down & rack up equipment
17:55				JSA, discuss journey management
18:00				Depart locn
				Thanks for calling Hurricane Svcs Inc

CREW		UNIT	SUMMARY		
Scott Green		74	Average Rate	Average Pressure	Total Fluid
Jessa Jones		230	3.5 bpm	138 psi	75 bbls
John Polley		294			
Michael Reberchek					

Hurricane Services, Inc.
250 N. Water
Wichita, KS 67202



CEMENT TREATMENT REPORT

Customer: **SUEMAUR EXPLORATION**
 City/State: _____
 Field Rep: _____

Well: **RITTER 1-10**
 County: **DECATUR**
 S T R: **10-4S-28W**

Ticket: **ICT 2447**
 Date: **9/22/2019**
 Service: _____

Downhole Information	
Hole Size	7 7/8
Hole Depth	
Casing Size	in
Casing Depth	ft
Tubing Limit	in
Depth	ft
Tool Packer	
Depth	ft
Equipment	bbbls

Slurry	
Weight	13.5 # / sx
Water Seal	gal / sx
Yield	ft ³ / sx
Bbls / Ex	
Depth	ft
Volumes	bbbls
Excess	%
Total Slurry	bbbls
Total Suck	305 sx

Cement Report		
Product		
Class A	50.0	17202
Gel	4.0	1050
CaCl		
Melso		
KolSeal		
PhenoSeal		
Salt		
Pozmix	40.0	9028
Total		27,280

TIME	RATE	PSI	BBLs	REMARKS	TIME	RATE	PSI	BBLs	REMARKS
730P				ON LOCATION/DELAY RIG NOT READY	480A				RIG DOWN
830P				RETURN TO YARD	530A				LEFT LOCATION
1200A				ARRIVE ON LOCATION					
1218A				SAFETY MEETING					
1220A				RIG UP					
1236A	4.0	350.0	5.0	H2O AHEAD					
1237A	4.0	350.0	12.6	CEMENT 4400 FT 50 SKS					
1240A	3.0	275.0	5.0	DISPLACE H2O					
1242A				DISPLACE MUD/RIG PUMP					
203A	4.0	350.0	5.0	H2O AHEAD					
206A	4.0	300.0	12.8	CEMENT 2510 FT 50 SKS					
210A	4.0	225.0	10.0	DISPLACE H2O					
240A	4.0	250.0	5.0	H2O AHEAD					
242A	4.5	200.0	25.2	CEMENT 1541 FT 100 SKS					
250A	4.0	175.0	7.5	DISPLACE H2O					
316A	3.0	100.0	1.0	H2O AHEAD					
317A	3.0	100.0	12.6	CEMENT 312 FT 50 SKS					
323A	3.0	100.0	1.3	DISPLACE H2O					
410A	2.0		2.5	CEMENT/TOP OFF 40 FT 10 SKS					
416A	2.0		5.0	CEMENT MOUSEHOLE 16 SKS					
425A	2.0		7.7	CEMENT RATHOLE 30 SKS					
436A				WASH UP					

CREW	UNIT
JIMMIE COTTRELL	54.0
JESSIE JONES	208.0
JOHN POLLEY	294.0

SUMMARY		
Average Rate	Average Pressure	Total Fluid
3.33333 bpm	231.25 psi	117.95 bbls