



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1322099
OIL & GAS CONSERVATION DIVISION

Form ACO-1

August 2013

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 SIOW
- Gas D&A ENHR SIGW
- OG GSW Temp. Abd.
- 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 ENHR Conv. to SWD
- Plug Back Conv. to GSW Conv. to Producer
- Commingled Permit #: _____
- Dual Completion Permit #: _____
- SWD Permit #: _____
- ENHR Permit #: _____
- GSW Permit #: _____

Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date
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API No. 15 - _____

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
- Geologist Report Received
- UIC Distribution
- ALT I II III Approved by: _____ Date: _____

1322099

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 <i>(Attach Additional Sheets)</i>	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes <input type="checkbox"/> No			
Electric Log Run	<input type="checkbox"/> Yes <input type="checkbox"/> No			
List All E. Logs Run:				

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				

Did you perform a hydraulic fracturing treatment on this well? Yes No *(If No, skip questions 2 and 3)*

Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? Yes No *(If No, skip question 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)*

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record <i>(Amount and Kind of Material Used)</i>	Depth

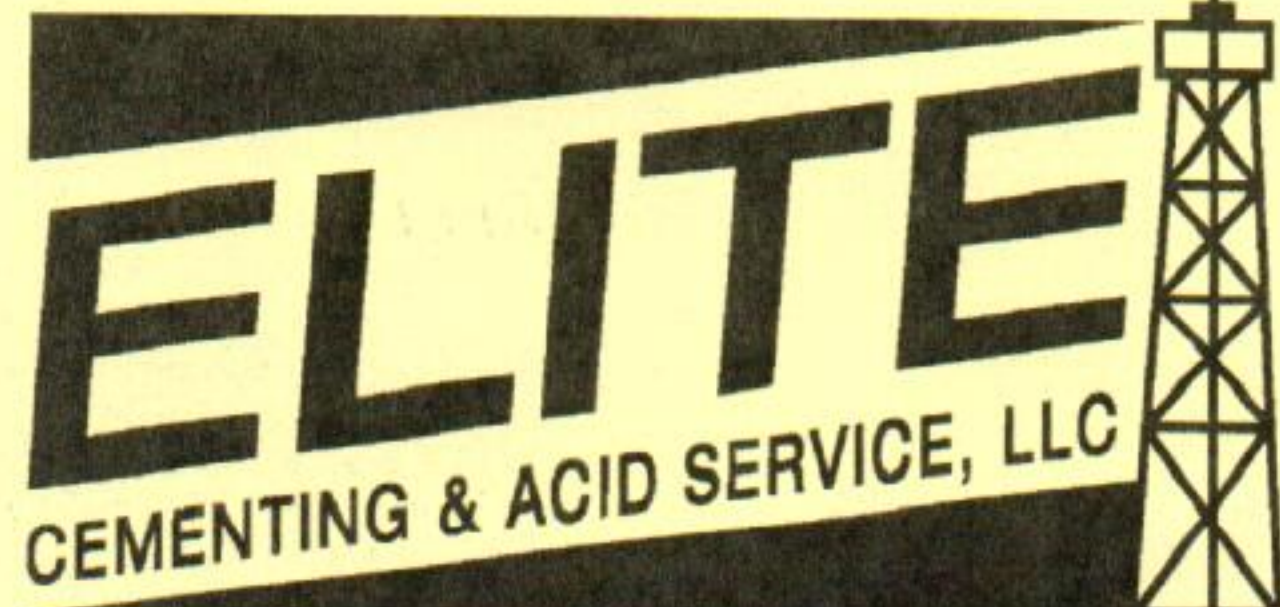
TUBING RECORD: Size: _____ Set At: _____ Packer At: _____ Liner Run: Yes No

Date of First, Resumed Production, SWD or ENHR: _____ Producing Method: Flowing Pumping Gas Lift Other *(Explain)* _____

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> <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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810 E 7TH
 PO Box 92
 EUREKA, KS 67045
 (620) 583-5561



Cement or Acid Field Report
 Ticket No. **2856**
 Foreman Rick Ledford
 Camp Eureka Ks

15-191-22776

Date	Cust. ID #	Lease & Well Number	Section	Township	Range	County	State
7-12-16		Sumner Bras Unit #2	10	335	3W	Sumner	Ks
Customer	Mailing Address	City	State	Zip Code	Safety Meeting	Unit #	Driver
Meridith Family Partnership LP	475 N. West Rd	Wellington	Ks	67152	PL DB 3m	105	Dave G.
						112	Steven M.

Job Type Surface Hole Depth 263 Slurry Vol. _____ Tubing _____
 Casing Depth 255' G.L. Hole Size 12 1/4" Slurry Wt. 9.15^{lb} Drill Pipe _____
 Casing Size & Wt. 8 5/8" 23[#] Cement Left in Casing 15' Water Gal/SK 7.0 Other _____
 Displacement 16 Bbl Displacement PSI _____ Bump Plug to _____ BPM _____

Remarks: Safety meeting - Rig up to 8 5/8" casing. Break circulation w/ fresh water. Mixed 200 srs 60/40 Pozmix cement w/ 3% cacl₂ + 2% gel @ 15[#]/gal. Displace w/ 16 bbl fresh water. Shut casing in w/ good cement returns to surface = 6 Bbl slurry to pit. Job complet. Pip down.

Thank You

Code	Qty or Units	Description of Product or Services	Unit Price	Total
C101	1	Pump Charge	840.00	840.00
C107	40	Mileage	3.95	158.00
C203	200 srs	60/40 Pozmix cement	12.75	2550.00
C205	500 [#]	3% cacl ₂	.60	300.00
C206	345 [#]	2% gel	.20	69.00
C108B	8.6	ton mileage bulk tax	1.35	464.40
<div style="border: 1px solid black; border-radius: 50%; padding: 10px; display: inline-block;"> \$ 4585.73 - 5% 229.29 New Total \$ 4356.44 </div>				
			Subtotal	4381.40
			Sales Tax	204.33
Authorization <u>[Signature]</u> Title _____			Total	4585.73

I agree to the payment terms and conditions of services provided on the back of this job ticket. Any amendments to payment terms must be in writing on the front of this job ticket or in the Customer's records at ELITE's office.

810 E 7TH
 PO Box 92
 EUREKA, KS 67045
 (620) 583-5561



Cement or Acid Field Report

Ticket No. **2843**
 Foreman KEVIN MCCOY
Steve Mead
 Camp EUREKA

Date	Cust. ID #	Lease & Well Number	Section	Township	Range	County	State
7-17-16	1205	SIMONS, BROS. UNIT #2	10	335	3W	Sumner	Ks
Customer			Unit #	Driver		Unit #	Driver
B5 OPERATING AND Meridith Family Partnership LP			104	ALAN M.			
Mailing Address			113	DAVE G.			
475 N. West Rd							
City	State	Zip Code					
Wellington	Ks	67152					

Job Type Longstring Hole Depth 4130' KB Slurry Vol. 41 BBL Tubing _____
 Casing Depth 4111 KB Hole Size 7 7/8" Slurry Wt. 13.7 # Drill Pipe _____
 Casing Size & Wt. 5 1/2 15.50 # Cement Left in Casing 20' Water Gal/SK 9 Other _____
 Displacement 99 BBL Displacement PSI 1000 Bump Plug to 1400 PSI BPM _____

Remarks: Safety Meeting: Rig up to 5 1/2 casing. Break circulation w/ 15 BBL fresh water mixed 125 SKS THICK Set Cement w/ 5# Kol-Seal/sk, 1# PhenoSeal/sk @ 13.7 #/gal, yield 1.85 = 41 BBL slurry. Wash out pump & lines. Shut down. Release Latch down. Displace plug to seat w/ 99 BBL fresh water. Final pumping pressure 1000 PSI. Bump Plug to 1400 PSI. Wait 2 mins. Release pressure. Float held. Job complete. Rig down.

Code	Qty or Units	Description of Product or Services	Unit Price	Total
C 102	1	Pump Charge	1050.00	1050.00
C 107	40	Mileage	3.95	158.00
C 201	125 SKS	THICK Set Cement	19.50	2437.50
C 207	625 #	KOL-SEAL 5#/SK	.45 #	281.25
C 208	125 #	PhenoSeal 1#/SK	1.25 #	156.25
C 108	6.87 TONS	Ton Mileage 40 miles	1.35	370.98
C 691	1	5 1/2 Guide Shoe	167.00	167.00
C 703	1	5 1/2 AFU Flapper Valve insert	145.00	145.00
C 421	1	5 1/2 LATCH down Plug	230.00	230.00
C 604	1	5 1/2 Cement BASKET	225.00	225.00
C 504	6	5 1/2 x 7 7/8 Centralizers	48.00	288.00
			Sub Total	5508.98
			Less 5%	289.20
			Sales Tax	275.10
			Total	5494.88

THANK YOU
 AA 7%

Authorization _____ Title _____ Total

I agree to the payment terms and conditions of services provided on the back of this job ticket. Any amendments to payment terms must be in writing on the front of this job ticket or in the Customer's records at ELITE's office.



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

B5 Operating
 PO Box 45
 Wellington, KS 67152
 ATTN: Mitch Bartleson

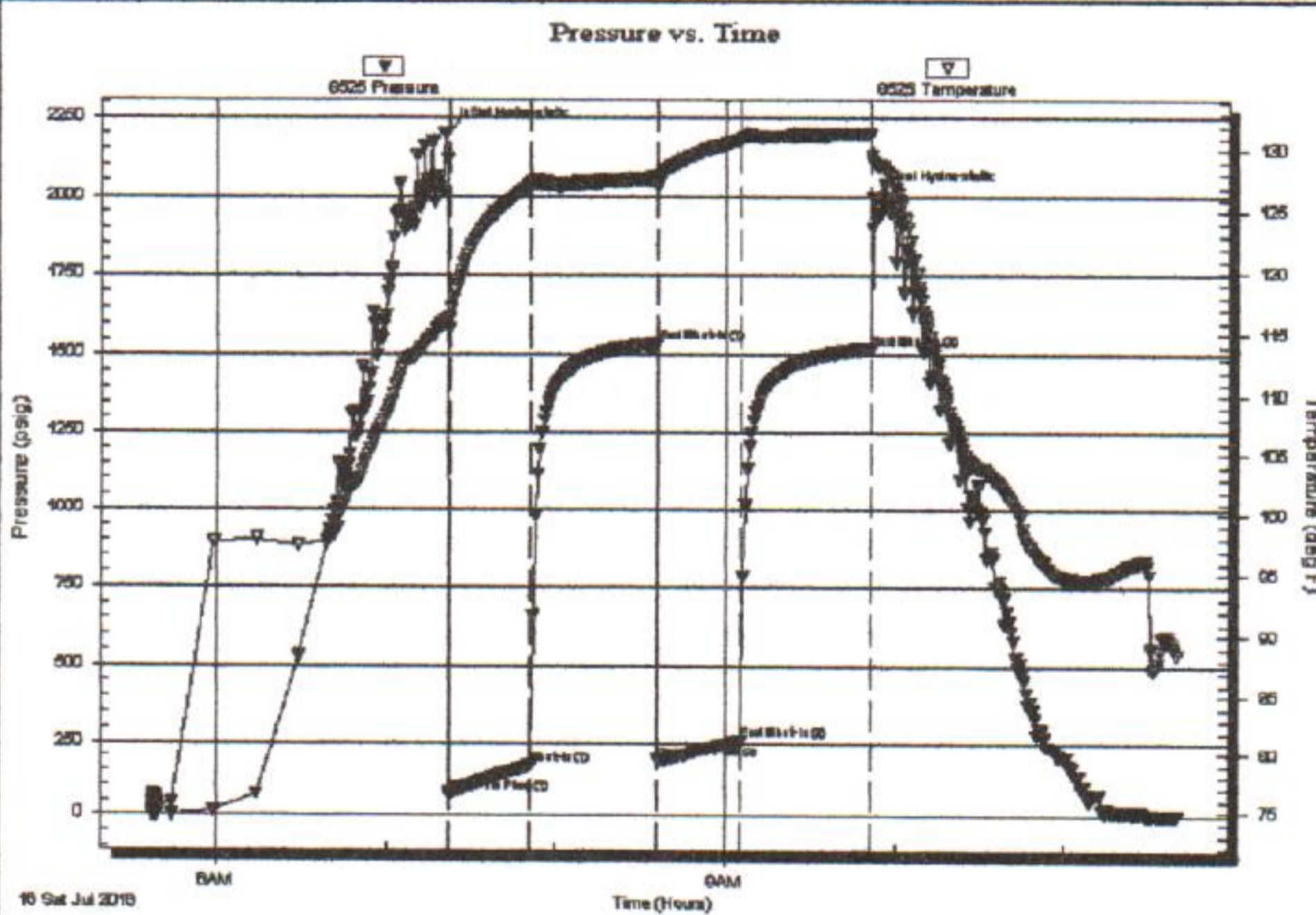
10-33S-3W Sumner
 Simon Bros Unit 2
 Job Ticket: 58000 DST#: 1
 Test Start: 2016.07.16 @ 05:36:49

GENERAL INFORMATION:

Formation: **Mississippi**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Initial)
 Time Tool Opened: 07:22:04 Tester: Leal Cason
 Time Test Ended: 11:39:49 Unit No: 74
 Interval: 4036.00 ft (KB) To 4054.00 ft (KB) (TVD) Reference Elevations: 1180.00 ft (KB)
 Total Depth: 4054.00 ft (KB) (TVD) 1175.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Good KB to GR/CF: 5.00 ft

Serial #: **8525** Inside
 Press@RunDepth: 167.40 psig @ 4037.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2016.07.16 End Date: 2016.07.16 Last Calib.: 2016.07.16
 Start Time: 05:36:49 End Time: 11:39:49 Time On Btm: 2016.07.16 @ 07:20:19
 Time Off Btm: 2016.07.16 @ 09:52:04

TEST COMMENT: IF: Fair Blow, BOB in 15 minutes
 IS: No Blow Back
 FF: Weak Blow, BOB in 18 minutes
 FS: No Blow Back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2198.21	116.00	Initial Hydro-static
2	70.03	116.29	Open To Flow (1)
31	167.40	127.21	Shut-In(1)
76	1534.87	127.78	End Shut-In(1)
76	192.61	127.17	Open To Flow (2)
105	258.61	130.94	End Shut-In(2)
151	1520.26	131.40	End Shut-In(3)
152	1998.99	129.20	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
310.00	water	3.26
155.00	WCM 48%W 52%M	2.17

Gas Rates

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



Drilling Report

Well: Simons Bros #2
API#: 15-191-22776-00-00
Legal: NW ¼ Section 10 TWP 33s, RNG 3W
County: Sumner
Company Rep: Mitch Bartelson 620-326-0486 cell 620-434-5500 home
Geologist: Mitch Bartelson

7-11-16 MIRU WW Rig #4, Spud @ 8pm, set 255' of 8 5/8 with 200sx @ 5:30am
7-12 WOC, Nipple up BOP, Drill under surface with PDC @ 7:15 pm
7-13 Drilling @ 1250'
7-14 Drilling @ 2600, mudded up
7-15 Drilling @ 3620, preparing for short trip
7-16 Running DST #1 in Mississippi @ 4054
7-17 Cementing 5 ½ casing, set @ 4111 with 125 SX Thickset, plug down @ 8:30am. Will cement Rat hole Monday.

Job Complete
Mitch Bartelson'



Well Completion Report

Well: Simons Brothers Unit #2
 API#: 15-191-22776-00-00
 Legal: NW ¼ Section 10 TWP 33s, RNG 3W
 County: Sumner

7-22-16 MIRU Canaan Well service, RU Gemeni, run CBL, Found TOC @ 2770 and PBTD @ 4102, Perf 4023-31 3SPF with high expansion carrier, Ru Chase and test pipe in hole to 6K. RIH as follows 5 ½ x 2 3/8 R4 PKR in compression (sets to the left), 2 3/8 SN, 126 JTS 2 3/8 tubing, set PKR @ 4003' & RU swab at 2PM.

2PM-3PM Took 5 pulls with the last 3 off the SN, up to 1500' of gas ahead of the pulls, max oil cut of 2-3%, dirty muddy fluid. recovered 26.72 bbls

3PM-4PM SD to look for rig hand who walked off the job

4PM-5PM Took 5 pulls off SN, Avg of 1000-1500' of gas ahead of pulls, Avg oil cut of 2%, dirty very muddy fluid, recovered 4.18 bbls

SDON
Charges

Canaan Well Service	11.5 hrs rig time	2235
Gusher Energy Services	1 day supervision	540
Gemeni Wireline	CBL and Perf	2200
Cates Supply	Swab cups, rubbers,dope, wellhead	1500

Daily Total		6475
Project Total		6475

7-23 7:30am GTS, FL 1150' FS, swab test as follows

7:30-8:30 Took 4 pulls with the last 1 off the SN, up to 1500' of gas ahead of the pulls, max oil cut of 1-2%, water checked 110K, cleaner fluid on first 3 pulls, last pull had dirty muddy fluid. recovered 15.03 bbls

8:30-9:30 SD to fix parted sandline

9:45-10:45 Took 5 pulls, last 3 off SN, Avg of 1000-1500' of gas ahead of pulls, Avg oil cut of 1- 2%, dirty/muddy fluid, recovered 10.85 bbls

10:45-11:45 Took 6 pulls off SN, as above, recovered 4.59 bbls

11:45-12:45 Took 3 pulls off SN, as above, recovered 3.75 bbls

SDOWE
Charges

Canaan Well Service	5 hrs rig time	960
Gusher Energy Services	1 day supervision	540
Cates Supply	Swab cups, rubbers,dope, wellhead	500

Daily Total	2000
Project Total	8475

7-25 GTS, found fluid 1300' FS, swab test as follows

7:45-8:30 Took 4 pulls with the last one off the SN, dirty fluid with 1-2% oil cut
Recovered 14.2 bbls

8:30-10:30 Took 10 pulls off SN, Avg of 1000' gas ahead, cleaner fluid with most
pulls averaging 1% oil, recovered 10.85 bbls

RD swab, load tubing, release PKR, added 35' of pipe, load hole & Spot acid over perms,
up to 800# and acid fed into zone, treat well as follows

.2 BPM	@ 650#	14 bbls pumped	1.5 bbl away
½ BPM	@ 775#	18 bbls pumped	5.5 bbls away
1 BPM	@ 990#	22 bbls pumped	9.5 bbls away
1.8 BPM	@ 1100#	26 bbls pumped	13.5 bbls away
1.8 BPM	@ 830#	31 bbls pumped	18.5 bbls away

TL 31 bbls, ISIP 550#, vacuum in 1', release PKR, lay down 35' of pipe and took 1 pull
from 2500' with PKR swinging, swab test as follows

12:15-2:00 Took 8 pulls, with acid gas in #3,4,5,6, then natural gas in 7 and 8, show
of oil on 8th pull, dirty soapy fluid, recovered 30.06 bbls

2:00-3:00 Took 4 pulls off SN, 500-700' of gas ahead, dirty fluid, increase in oil
show, recovered 7.52 bbls

3:00-4:00 Took (3) 20' pulls off SN, as above with oil more lively and foamy,
recovered 6.26 bbls

Took a total of 15 runs after the acid job and recovered 44 bbls with a max oil cut of 1%.

Charges

Canaan Well Service	10 hrs rig time	2000
Gusher Energy Services	1 day supervision	540
Pro-Stim	500 gal MCA acid job	1250
Barts Oilfield Service	Water for acid job/haul off fluids	210

Daily Total	4000
Project Total	12475

7-26 7:30 am GTS, release PKR & pull 1 JT, reset PKR @ 3972, RU swab,
found fluid @ 1100' FS, took 5 pulls with 800-1000' of gas ahead, dirty soapy fluid, with
a 1-2% oil cut, recovered 21.2 bbls, RU Pro-Stim, pressure casing to 700#, pump 1250
gal NE/FE 15% acid with 30 balls. Treat as follows

3.0 BPM	@ 1150#	12 bbls pumped	lost 500# when acid hit perms
3.35 BPM	@ 1360#	16 bbls pumped	some ball action
3.35 BPM	@ 1240#	20 bbls pumped	4 bbls acid away, ball action
4.0 BPM	@ 1150#	28 bbls pumped	12 bbls acid away
5.0 BPM	@ 1400#	36 bbls pumped	20 bbls acid away
5.4 BPM	@ 1700#	50 bbls pumped	all acid away
5.3 BPM	@ 1650#	60 bbls pumped	

68 BBLS total load, vacuum in 20", bled off casing, Release PKR and run 2 JTS to clear balls off perfs, Set PKR @ 4003, Sd for 1 HR for acid to spend, Ru swab

Took 8 pulls recovering approximately 40.92 bbls dirty water, some soapy acid gas, trace of oil on 8th pull.

Took 10 more pulls with GTS, a slight increase in the show, recovered 32 bbls of fluid

Charges

Canaan Well Service	9.5 hrs rig time	1900
Gusher Energy Services	1 day supervision	540
Pro-Stim	1250 gal NE/FE acid job	1775
Cates	cups,rubbers,valves	700
Barts Oilfield Service	Water for acid job/haul off fluids	350

Daily Total 4380

Project Total 17740

7-27 8am GTS, release PKR & took 1 pull that resembled yesterday, Drop PKR below perfs and set @ 4039, took 4 pulls & dried up tubing, trip out and PKR, Cap well and RDMO

Charges

Canaan Well Service	5 hrs rig time	970
Gusher Energy Services	1 day supervision	535
Canaan well Service	rent of test tank	400
Barts Oilfield Service	empty and clean test tank	210

Daily Total 2115

Project Total 19855

7-27 to 10-26 Left well SI.

10-27 MIRU Canaan Well Service, to put well on the pump. RB as follows

Tubing String

16' MA with holes in top

SN

127 Joints 2 3/8

10' sub 2 3/8

SN @ 4040, EOMA @ 4055

Rod String

1" x 4' GA

2" x 1 1/2" x 14' MTM pump, with 4" plunger and stationary barrel

2' sub 7/8

6 rods 7/8

147 rods 3/4

7 rods 7/8

8' sub 7/8

1 1/4 x 16' PR with new 7' liner

Long stroke with good action, RDMO

Charges

Canaan Well Service	10 hrs rig time	2000
Gusher Energy Services	1 day supervision	540
Cates Supply	rods/MA, wellhead supplies	9400

Daily Total		11940
Project Total		30809

10-29 Moved in pump jack and started pumping well to frac tank.
11-3 Well is pumped down
11-4 IP of well is 1.5 BOPD 128 BWPD 2 mcf gas/day

Job Complete
Mitch Bartelson



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

B5 Operating
 PO Box 45
 Wellington, KS 67152
 ATTN: Mitch Bartleson

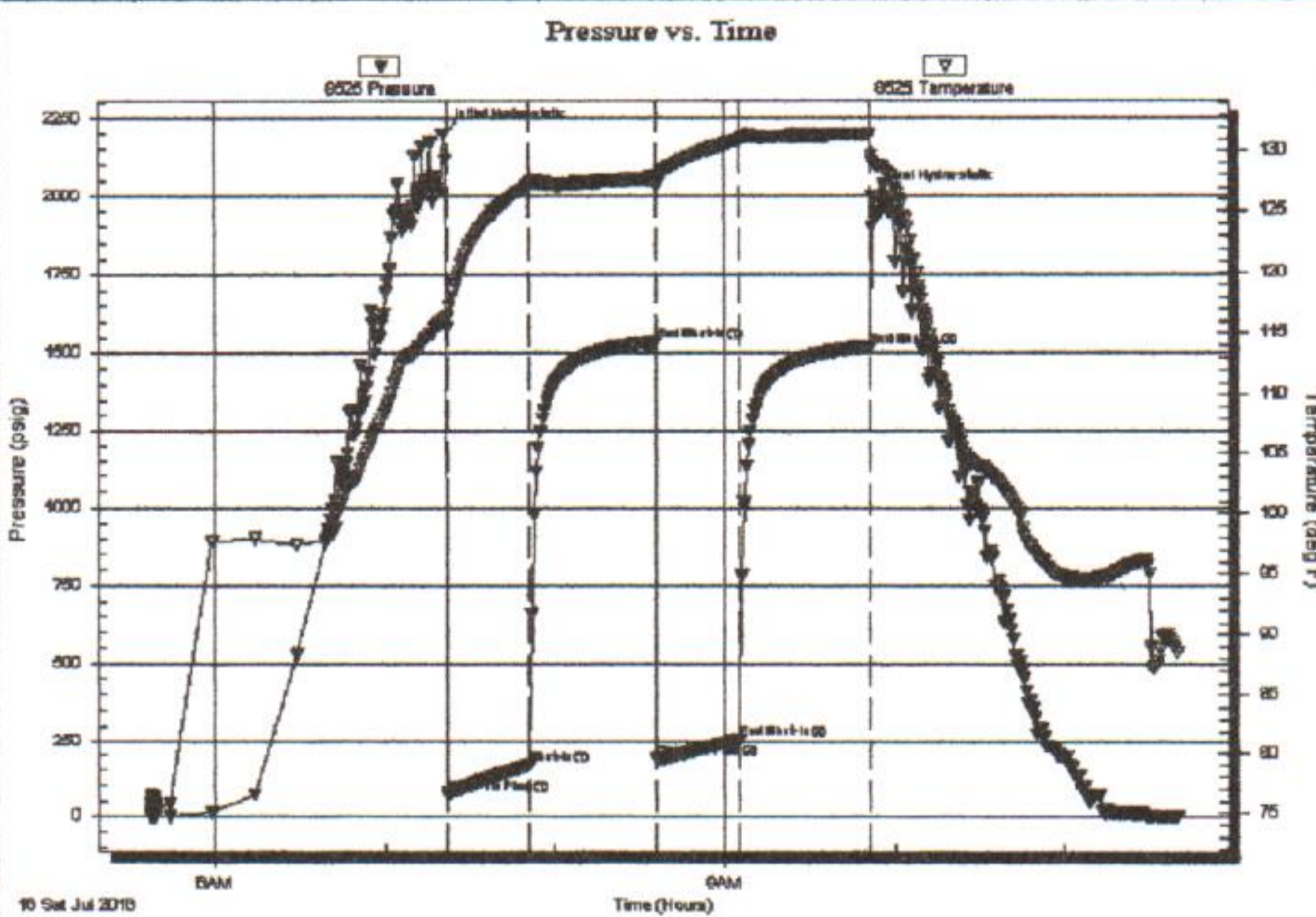
10-33S-3W Sumner
Simon Bros Unit 2
 Job Ticket: 58000 DST#: 1
 Test Start: 2016.07.16 @ 05:36:49

GENERAL INFORMATION:

Formation: **Mississippi**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Initial)
 Time Tool Opened: 07:22:04
 Tester: Leal Cason
 Time Test Ended: 11:39:49
 Unit No: 74
 Interval: **4036.00 ft (KB) To 4054.00 ft (KB) (TVD)**
 Reference Elevations: 1180.00 ft (KB)
 Total Depth: **4054.00 ft (KB) (TVD)**
 1175.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Good
 KB to GR/CF: 5.00 ft

Serial #: 8525 Inside
 Press@RunDepth: 167.40 psig @ 4037.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2016.07.16 End Date: 2016.07.16 Last Calib.: 2016.07.16
 Start Time: 05:36:49 End Time: 11:39:49 Time On Btm: 2016.07.16 @ 07:20:19
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 IS: No Blow Back
 FF: Weak Blow, BOB in 18 minutes
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PRESSURE SUMMARY

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2	70.03	116.29	Open To Flow (1)
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76	1534.87	127.78	End Shut-In(1)
76	192.61	127.17	Open To Flow (2)
105	258.61	130.94	End Shut-In(2)
151	1520.26	131.40	End Shut-In(3)
152	1998.99	129.20	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
310.00	water	3.26
155.00	WCM 48%W 52%M	2.17

Gas Rates

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

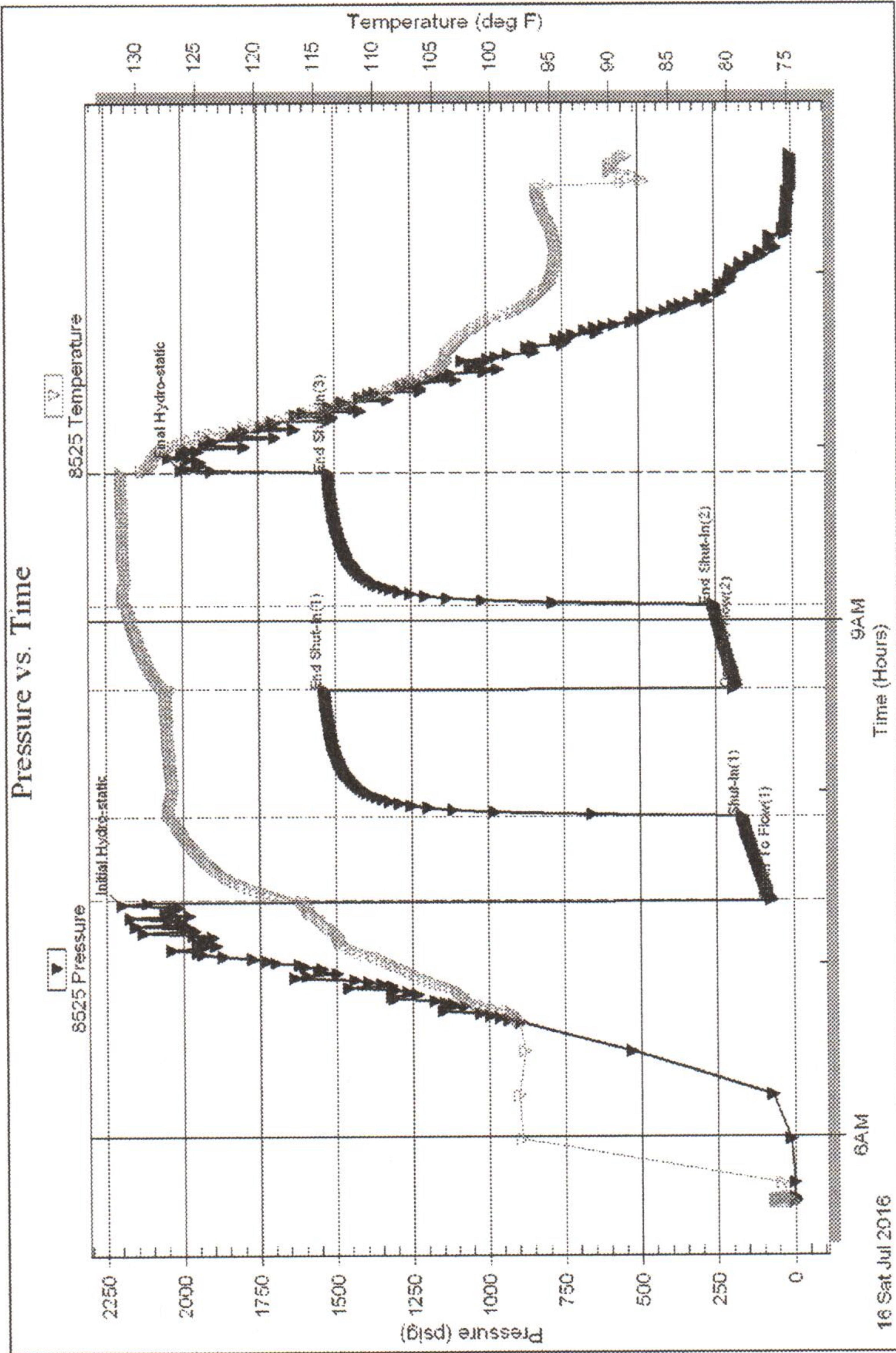
DST Test Number: 1

Simon Bros Unit 2

B5 Operating

Inside

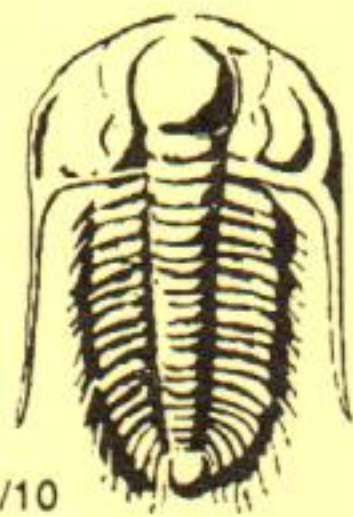
Serial #: 8525



Printed: 2016.07.16 @ 11:46:41

Ref. No: 58000

Tribble Testing, Inc



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 58000

Well Name & No. Simon Bios unit 2 Test No. 1 Date 07/16/16
 Company B5 Operating Elevation 1180 KB 1175 GL
 Address PO BOX 45 Wellington KS 67152
 Co. Rep / Geo. Mitch Bartleson Rig WW 4
 Location: Sec. 10 Twp. 33S Rge. 3W Co. Sumner State KS

Interval Tested 4036 - 4054 Zone Tested Mississippi
 Anchor Length 18 Drill Pipe Run 3904 Mud Wt. 9.5
 Top Packer Depth 4031 Drill Collars Run 120 Vis 43
 Bottom Packer Depth 4036 Wt. Pipe Run 0 WL 12.0
 Total Depth 4054 Chlorides 6000 ppm System LCM 1

Blow Description IF: Fair Blow, BOB in 15 minutes
ISI: NO Blow Back
FF: Weak Blow, BOB in 18 minutes
FSI: NO Blow Back

Rec	Feet of	%gas	%oil	%water	%mud
<u>155</u>	<u>WCM</u>			<u>48%</u>	<u>52%</u>
<u>310</u>	<u>water</u>				

Rec Total 485 BHT 131 Gravity N/C API RW .07 @ 82 ° F Chlorides 96000 ppm

(A) Initial Hydrostatic <u>2198</u>	<input checked="" type="checkbox"/> Test	T-On Location <u>03:45</u>
(B) First Initial Flow <u>70</u>	<input checked="" type="checkbox"/> Jars	T-Started <u>05:36</u>
(C) First Final Flow <u>167</u>	<input checked="" type="checkbox"/> Safety Joint	T-Open <u>07:22</u>
(D) Initial Shut-In <u>1535</u>	<input type="checkbox"/> Circ Sub	T-Pulled <u>09:51</u>
(E) Second Initial Flow <u>193</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>11:39</u>
(F) Second Final Flow <u>259</u>	<input checked="" type="checkbox"/> Mileage <u>(202)</u>	Comments _____
(G) Final Shut-In <u>1520</u>	<input type="checkbox"/> Sampler	_____
(H) Final Hydrostatic <u>1999</u>	<input type="checkbox"/> Straddle	<input type="checkbox"/> Ruined Shale Packer
Initial Open <u>30</u>	<input type="checkbox"/> Shale Packer	<input type="checkbox"/> Ruined Packer
Initial Shut-In <u>45</u>	<input type="checkbox"/> Extra Packer	<input type="checkbox"/> Extra Copies
Final Flow <u>30</u>	<input type="checkbox"/> Extra Recorder	Sub Total _____
Final Shut-In <u>45</u>	<input type="checkbox"/> Day Standby	Total _____
	<input type="checkbox"/> Accessibility	MP/DST Disc't _____
	Sub Total _____	

Approved By [Signature] Our Representative [Signature]

Trilobite Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.

GEOLOGIST'S REPORT

DRILLING TIME AND SAMPLE LOG

COMPANY	BS	DRILLING TIME	4:45	ELEVATIONS	
FIELD	Simmons Road west #2	DR	1180'		
LOCATION	308' / 906' SW 1/4	DR			
SIC	1420	STATE	KY		
COUNTY	Madison	SECTION	33.5		
CONTRACTOR	W. W. D. & S. Co.	FROM	K.R.		
RFD	7-11-16	COMP	7-17-16		
MUD	2:30	TYPE MUD	Clay		
SAMPLES	SAVED FROM	1850'			
		10			
		10			
		10			

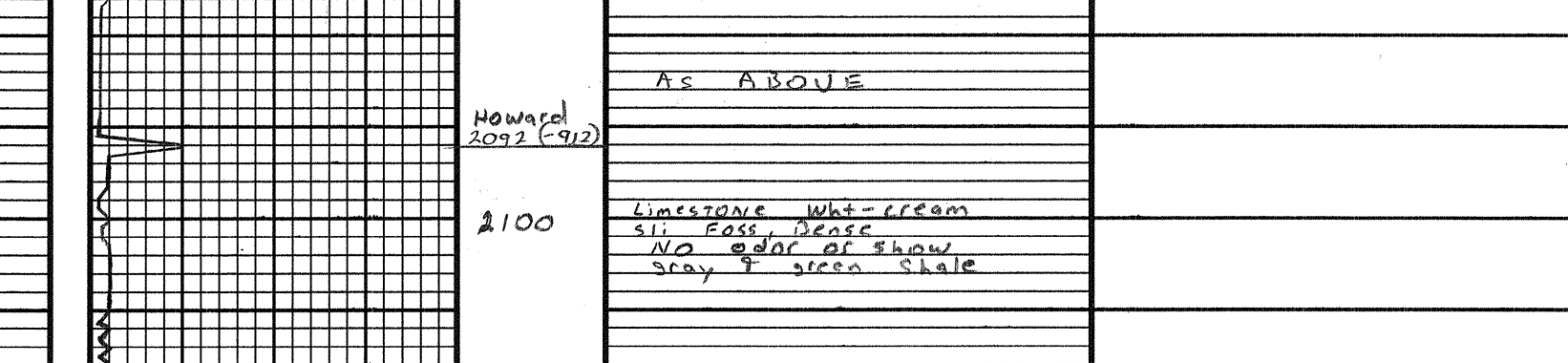
DRILLING TIME KEPT FROM 1850' TO 1850' TO RTD

SAMPLES EXAMINED FROM 1850' TO 1850' TO RTD

GEOLOGIST ON WELL 101-7-L Road 1/2

FORMATION TOPS	LOG	SAMPLES
Traverse	2421	1031
McClellan	2422	1032
Kearney	2423	1033
5-m-1-K	2424	1034
5-m-2-K	2425	1035
5-m-3-K	2426	1036
5-m-4-K	2427	1037
5-m-5-K	2428	1038
5-m-6-K	2429	1039
5-m-7-K	2430	1040
5-m-8-K	2431	1041
5-m-9-K	2432	1042
5-m-10-K	2433	1043
5-m-11-K	2434	1044
5-m-12-K	2435	1045
5-m-13-K	2436	1046
5-m-14-K	2437	1047
5-m-15-K	2438	1048
5-m-16-K	2439	1049
5-m-17-K	2440	1050
5-m-18-K	2441	1051
5-m-19-K	2442	1052
5-m-20-K	2443	1053
5-m-21-K	2444	1054
5-m-22-K	2445	1055
5-m-23-K	2446	1056
5-m-24-K	2447	1057
5-m-25-K	2448	1058
5-m-26-K	2449	1059
5-m-27-K	2450	1060

REMARKS



SCALE 1" = 100'

DEPTH	Sample Description	Remarks, drill stem tests, etc.
1850'	Shale gray - black gray sandy silty fine streak white - gray sandy base	SM+L POC Bit Samples every Kelly down due to penetration POC
1900'	Shale gray black-gray sandy silty limestone brown spots of limestone - black - blue - blue	
1950'	Gray shale soft silty sandy limestone brown spots of limestone - black - blue - blue	
2000'	Shale gray - black gray silty sandy limestone brown spots of limestone - black - blue - blue	
2050'	As Above	
2100'	As Above	
2150'	limestone wh - cream fine sand shale - gray - silty - sandy	
2200'	As Above	
2250'	As Above	
2300'	As Above	
2350'	As Above	
2400'	Shale gray - silty - sandy limestone brown spots of limestone - black - blue - blue	
2450'	Shale brown - gray - sandy silty limestone brown spots of limestone - black - blue - blue	
2500'	Shale gray - silty - sandy limestone brown spots of limestone - black - blue - blue	
2550'	Shale gray - silty - sandy limestone brown spots of limestone - black - blue - blue	
2600'	Shale gray - silty - sandy limestone brown spots of limestone - black - blue - blue	
2650'	Shale gray - silty - sandy limestone brown spots of limestone - black - blue - blue	
2700'	Shale gray - silty - sandy limestone brown spots of limestone - black - blue - blue	
2750'	Shale gray - silty - sandy limestone brown spots of limestone - black - blue - blue	
2800'	Shale gray - silty - sandy limestone brown spots of limestone - black - blue - blue	
2850'	Shale gray - silty - sandy limestone brown spots of limestone - black - blue - blue	
2900'	Shale gray - silty - sandy limestone brown spots of limestone - black - blue - blue	
2950'	Shale gray - silty - sandy limestone brown spots of limestone - black - blue - blue	
3000'	Shale gray - silty - sandy limestone brown spots of limestone - black - blue - blue	
3050'	Shale gray - silty - sandy limestone brown spots of limestone - black - blue - blue	
3100'	Shale gray - silty - sandy limestone brown spots of limestone - black - blue - blue	
3150'	Shale gray - silty - sandy limestone brown spots of limestone - black - blue - blue	
3200'	Shale gray - silty - sandy limestone brown spots of limestone - black - blue - blue	
3250'	Shale gray - silty - sandy limestone brown spots of limestone - black - blue - blue	
3300'	Shale gray - silty - sandy limestone brown spots of limestone - black - blue - blue	
3350'	Shale gray - silty - sandy limestone brown spots of limestone - black - blue - blue	
3400'	Shale gray - silty - sandy limestone brown spots of limestone - black - blue - blue	
3450'	Shale gray - silty - sandy limestone brown spots of limestone - black - blue - blue	
3500'	Shale gray - silty - sandy limestone brown spots of limestone - black - blue - blue	
3550'	Shale gray - silty - sandy limestone brown spots of limestone - black - blue - blue	
3600'	Shale gray - silty - sandy limestone brown spots of limestone - black - blue - blue	
3650'	Shale gray - silty - sandy limestone brown spots of limestone - black - blue - blue	
3700'	Shale gray - silty - sandy limestone brown spots of limestone - black - blue - blue	
3750'	Shale gray - silty - sandy limestone brown spots of limestone - black - blue - blue	
3800'	Shale gray - silty - sandy limestone brown spots of limestone - black - blue - blue	
3850'	Shale gray - silty - sandy limestone brown spots of limestone - black - blue - blue	
3900'	Shale gray - silty - sandy limestone brown spots of limestone - black - blue - blue	
3950'	Shale gray - silty - sandy limestone brown spots of limestone - black - blue - blue	
4000'	Shale gray - silty - sandy limestone brown spots of limestone - black - blue - blue	
4050'	Shale gray - silty - sandy limestone brown spots of limestone - black - blue - blue	
4100'	Shale gray - silty - sandy limestone brown spots of limestone - black - blue - blue	
4150'	Shale gray - silty - sandy limestone brown spots of limestone - black - blue - blue	

REMARKS