

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

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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Form	ACO1 - Well Completion
Operator	Culbreath Oil & Gas Company, Inc.
Well Name	MINIUM 1-19
Doc ID	1356280

All Electric Logs Run

RES
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MICRO
SONIC
SURV
AHV





**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Culbreath Oil & Gas Co Inc

**19 9s 26w Sheridan KS**

3501 S Yale Ave  
Tulsa OK 74135-8014

**Minium R 1-19**

Job Ticket: 63202

**DST#: 1**

ATTN: Larry Nicholson

Test Start: 2018.04.14 @ 23:16:00

## GENERAL INFORMATION:

Formation: **Toronto**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 01:18:16

Time Test Ended: 06:08:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Jim Svaty

Unit No: 76

**Interval: 3778.00 ft (KB) To 3804.00 ft (KB) (TVD)**

Reference Elevations: 2664.00 ft (KB)

Total Depth: 3804.00 ft (KB) (TVD)

2654.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 10.00 ft

**Serial #: 8400 Outside**

Press@RunDepth: 34.60 psig @ 3779.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2018.04.14

End Date:

2018.04.15

Last Calib.: 2018.04.15

Start Time: 23:16:01

End Time:

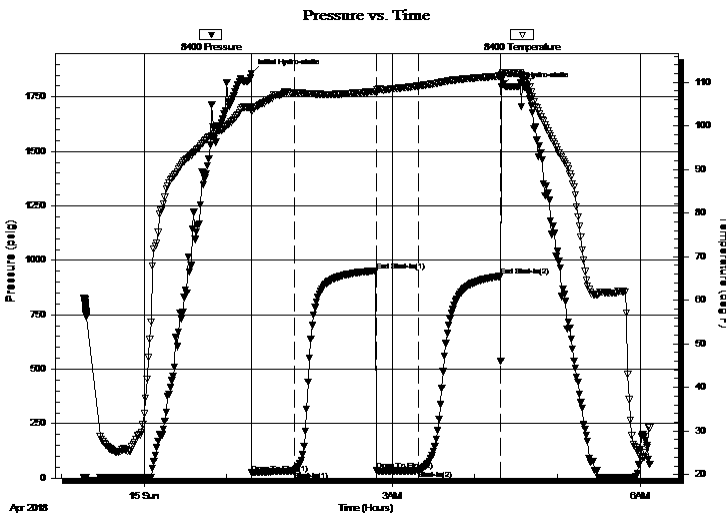
06:07:46

Time On Btm: 2018.04.15 @ 01:18:01

Time Off Btm: 2018.04.15 @ 04:19:16

**TEST COMMENT:** 30-IFP- Surface Blow Building to 2 1/4in.  
60-ISIP- No Blow  
30-FFP- Surface Blow Building to 1in.  
60-FSIP- No Blow

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1858.55	104.28	Initial Hydro-static
1	24.02	103.36	Open To Flow (1)
31	32.30	107.54	Shut-In(1)
91	952.23	107.95	End Shut-In(1)
91	35.30	107.78	Open To Flow (2)
122	34.60	109.16	Shut-In(2)
181	927.05	111.44	End Shut-In(2)
182	1797.97	111.81	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
30.00	OCM 4%o 96%m	0.42

## Gas Rates

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





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TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Culbreath Oil & Gas Co Inc

**19 9s 26w Sheridan KS**

3501 S Yale Ave  
Tulsa OK 74135-8014

**Minium R 1-19**

Job Ticket: 63202

**DST#: 1**

ATTN: Larry Nicholson

Test Start: 2018.04.14 @ 23:16:00

## 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:

ppm

Viscosity: 52.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.70 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1000.00 ppm

Filter Cake: 2.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
30.00	OCM 4%o 96%m	0.421

Total Length: 30.00 ft      Total Volume: 0.421 bbl

Num Fluid Samples: 0

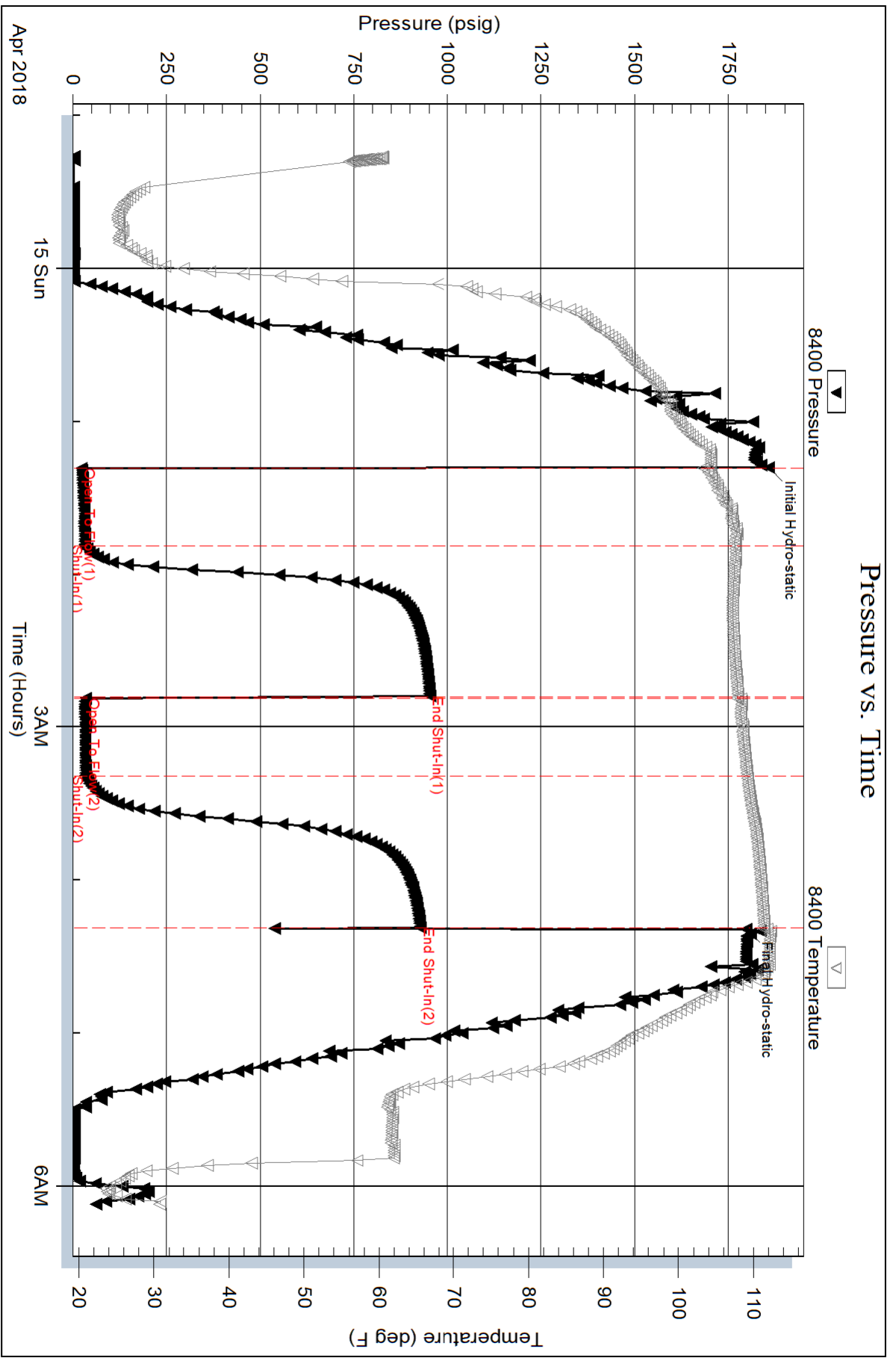
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





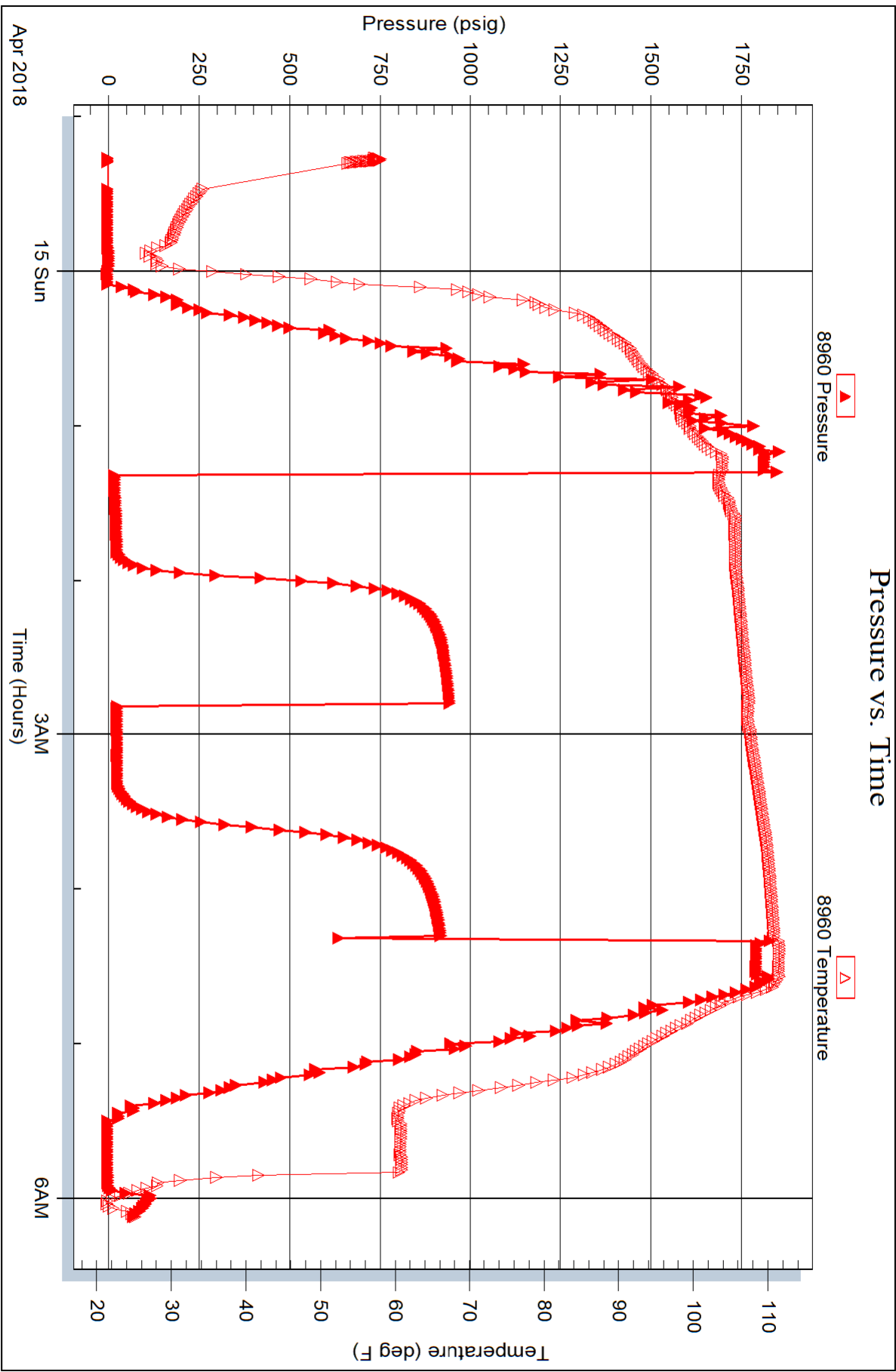
Serial #: 8960

Inside

Culbreath Oil & Gas Co Inc

Minium R 1-19

DST Test Number: 1





**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Culbreath Oil & Gas Co Inc

**19 9s 26w Sheridan KS**

3501 S Yale Ave  
Tulsa OK 74135-8014

**Minium R 1-19**

Job Ticket: 63203

**DST#: 2**

ATTN: Larry Nicholson

Test Start: 2018.04.16 @ 03:05:00

## GENERAL INFORMATION:

Formation: **LKC " D & F "**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 04:39:01

Time Test Ended: 09:52:00

Test Type: Conventional Bottom Hole (Reset)

Tester: Jim Svaty

Unit No: 76

**Interval: 3848.00 ft (KB) To 3892.00 ft (KB) (TVD)**

Reference Elevations: 2664.00 ft (KB)

Total Depth: 3892.00 ft (KB) (TVD)

2654.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 10.00 ft

**Serial #: 8400 Outside**

Press@RunDepth: 223.94 psig @ 3853.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2018.04.16

End Date:

2018.04.16

Last Calib.:

2018.04.16

Start Time: 03:05:01

End Time:

09:51:46

Time On Btm:

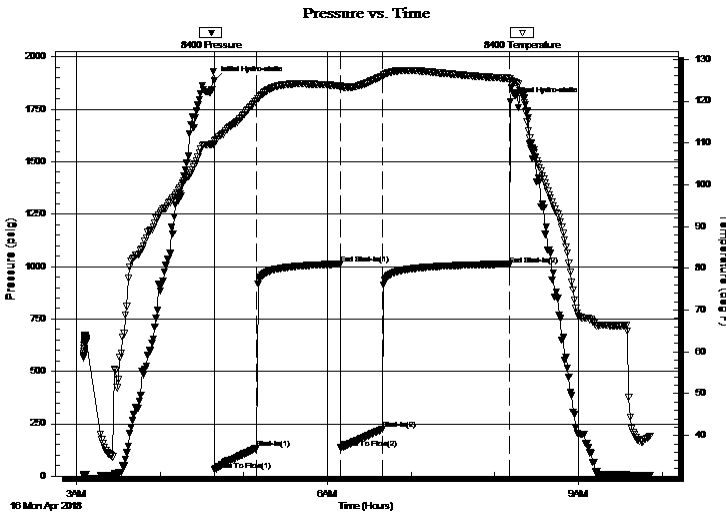
2018.04.16 @ 04:38:46

Time Off Btm:

2018.04.16 @ 08:11:01

TEST COMMENT: 30-IFP- BOB in 11min.  
60-ISIP- No Blow  
30-FFP- BOB in 13mi.  
90-FSIP- No Blow

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1888.18	110.54	Initial Hydro-static
1	29.88	109.77	Open To Flow (1)
31	133.58	120.07	Shut-In(1)
91	1011.40	123.67	End Shut-In(1)
91	134.80	123.27	Open To Flow (2)
121	223.94	125.95	Shut-In(2)
212	1010.06	125.44	End Shut-In(2)
213	1786.56	125.35	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
418.00	MCW 25% m 75% w	5.86

## Gas Rates

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

\* Recovery from multiple tests





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TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Culbreath Oil & Gas Co Inc

**19 9s 26w Sheridan KS**

3501 S Yale Ave  
Tulsa OK 74135-8014

**Minium R 1-19**

Job Ticket: 63203

**DST#: 2**

ATTN: Larry Nicholson

Test Start: 2018.04.16 @ 03:05:00

## 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:

74000 ppm

Viscosity: 51.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.38 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1000.00 ppm

Filter Cake: 2.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
418.00	MCW 25% m 75% w	5.863

Total Length: 418.00 ft      Total Volume: 5.863 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

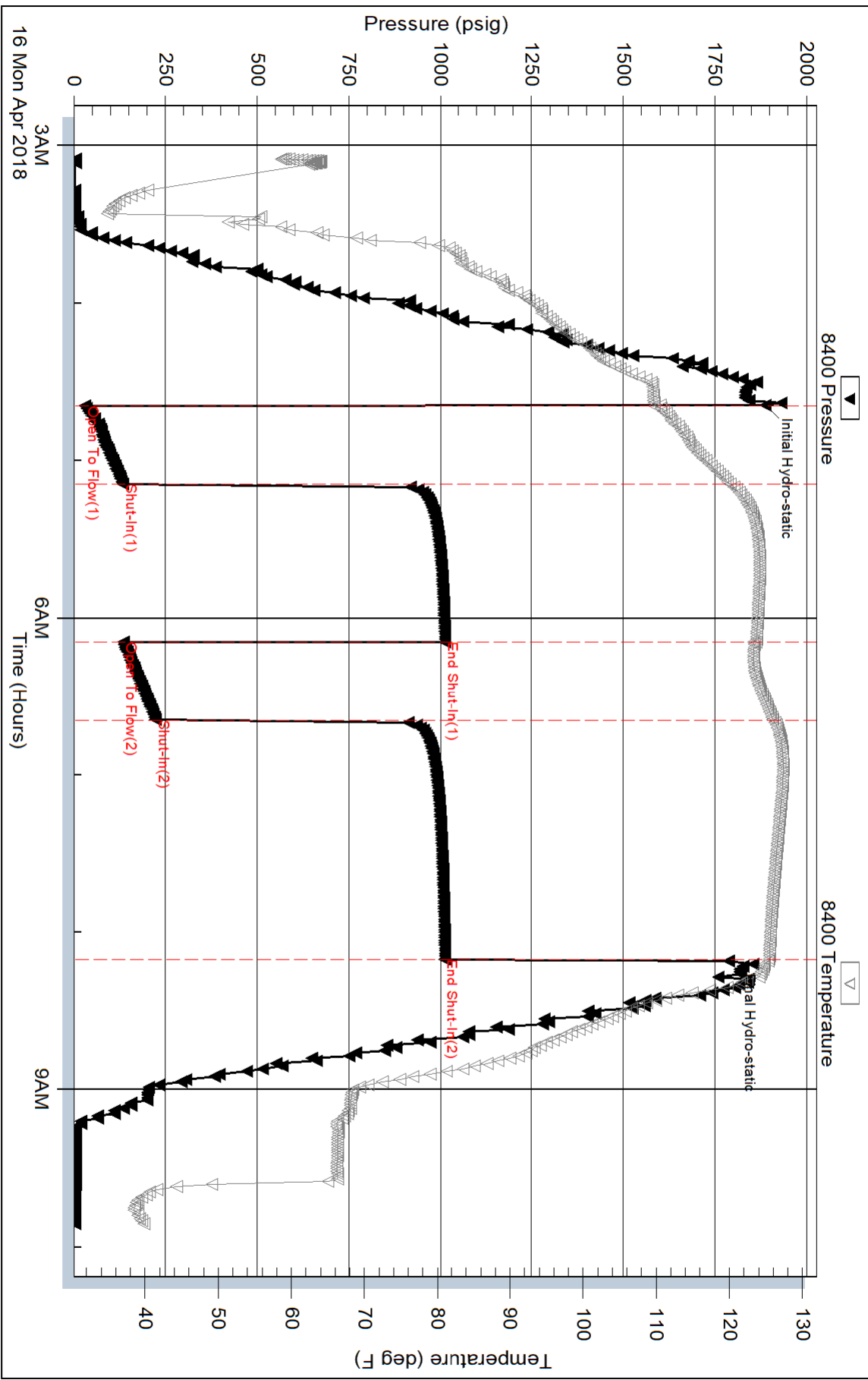
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: .150 @ 50

### Pressure vs. Time



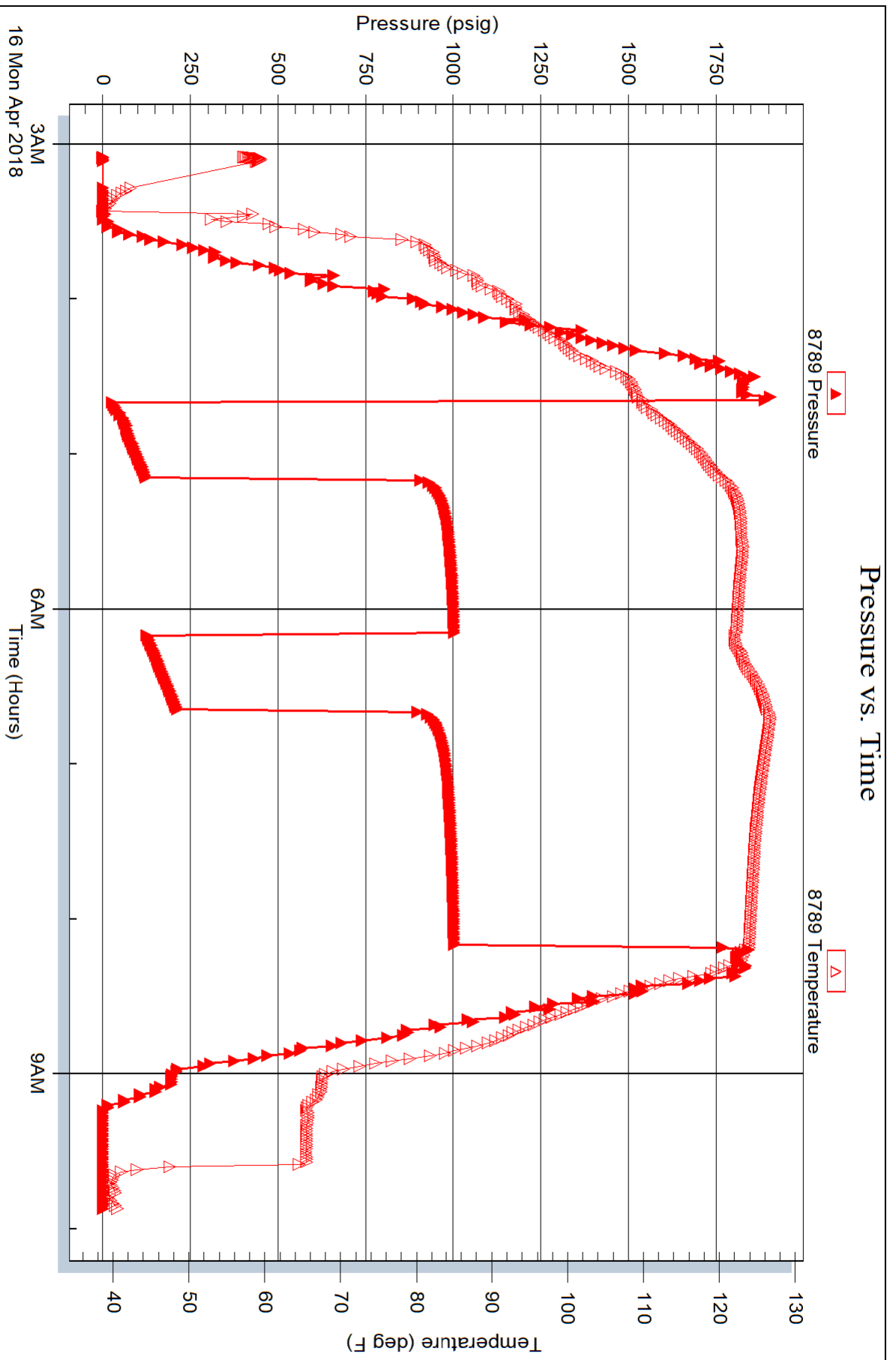
Serial #: 8789

Inside

Culbreath Oil & Gas Co Inc

Minium R 1-19

DST Test Number: 2





**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

Culbreath Oil & Gas Co Inc

**19 9s 26w Sheridan KS**

3501 S Yale Ave  
Tulsa OK 74135-8014

**Minium R 1-19**

Job Ticket: 63204

**DST#: 3**

ATTN: Larry Nicholson

Test Start: 2018.04.16 @ 18:43:00

## GENERAL INFORMATION:

Formation: **LKC " H "**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 20:47:16

Time Test Ended: 01:41:00

Test Type: Conventional Bottom Hole (Reset)

Tester: Jim Svaty

Unit No: 76

**Interval: 3920.00 ft (KB) To 3955.00 ft (KB) (TVD)**

Reference Elevations: 2664.00 ft (KB)

Total Depth: 3955.00 ft (KB) (TVD)

2654.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 10.00 ft

**Serial #: 8400 Outside**

Press@RunDepth: 55.22 psig @ 3924.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2018.04.16

End Date:

2018.04.17

Last Calib.:

2018.04.17

Start Time: 18:43:01

End Time:

01:40:46

Time On Btm:

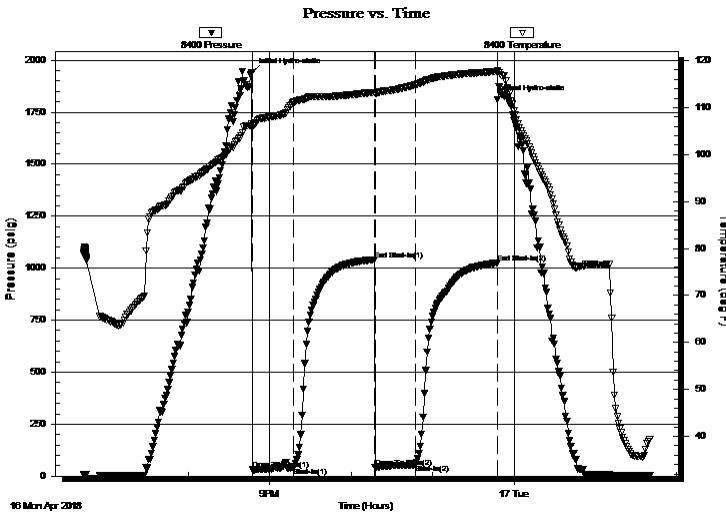
2018.04.16 @ 20:47:01

Time Off Btm:

2018.04.16 @ 23:48:01

**TEST COMMENT:** 30-IFP- BOB in 21min.  
60-ISIP- No Blow  
30-FFP- BOB in 26min.  
60-FSIP- No Blow

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1940.28	106.54	Initial Hydro-static
1	32.43	105.63	Open To Flow (1)
31	42.34	111.03	Shut-In(1)
90	1040.25	113.24	End Shut-In(1)
91	41.45	113.03	Open To Flow (2)
121	55.22	114.84	Shut-In(2)
181	1025.10	117.65	End Shut-In(2)
181	1810.64	117.89	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
63.00	WMCO 15%w 35%m 50%o	0.88
5.00	CO 100%	0.07
0.00	180 GIP	0.00

\* Recovery from multiple tests

## Gas Rates

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







**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Culbreath Oil & Gas Co Inc

**19 9s 26w Sheridan KS**

3501 S Yale Ave  
Tulsa OK 74135-8014

**Minium R 1-19**

Job Ticket: 63204

**DST#: 3**

ATTN: Larry Nicholson

Test Start: 2018.04.16 @ 18:43:00

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

38 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

40000 ppm

Viscosity: 55.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.20 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2500.00 ppm

Filter Cake: 2.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
63.00	WMCO 15%w 35%m 50%o	0.884
5.00	CO 100%	0.070
0.00	180 GIP	0.000

Total Length: 68.00 ft      Total Volume: 0.954 bbl

Num Fluid Samples: 0

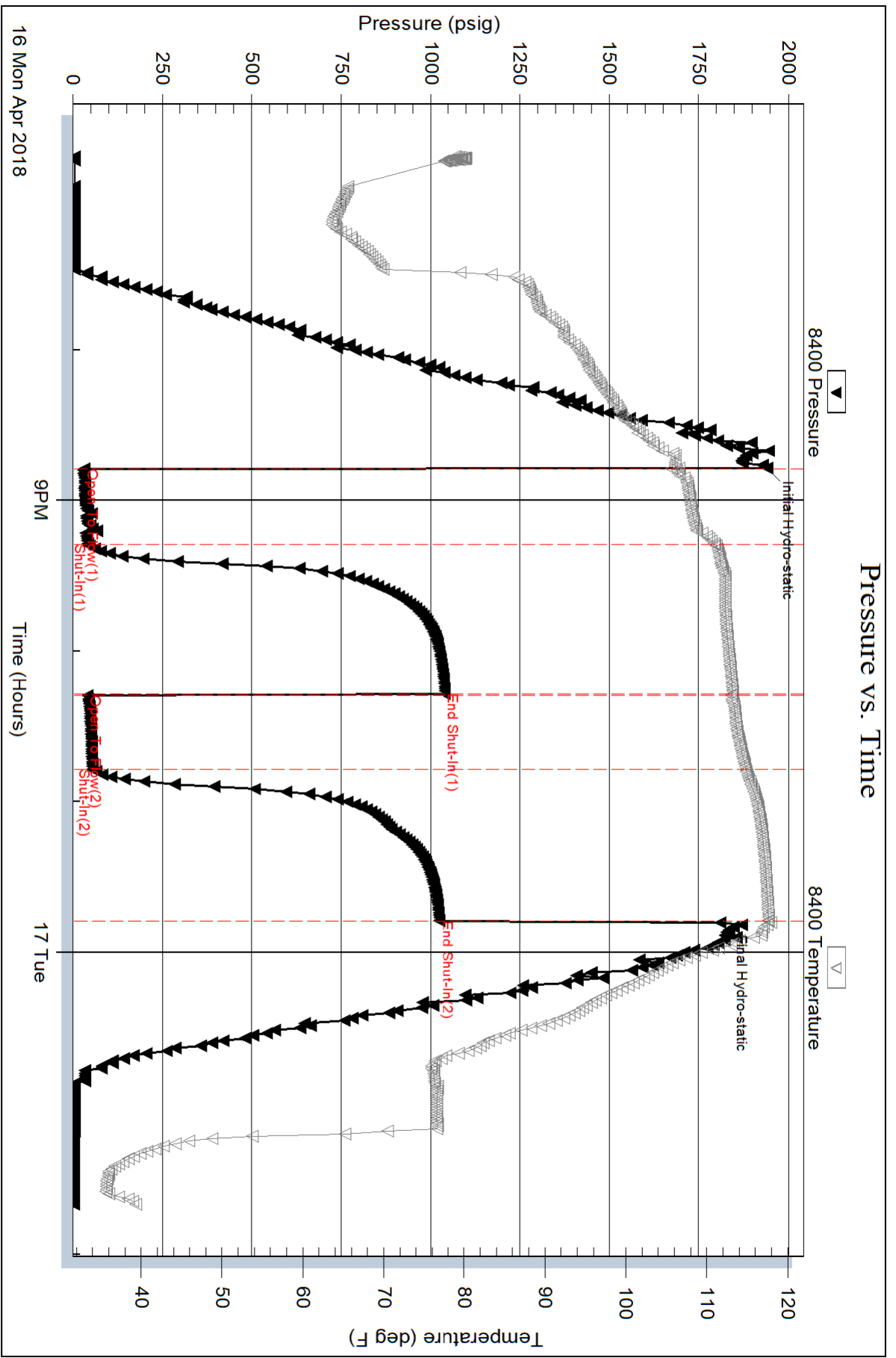
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: .358 @ 36



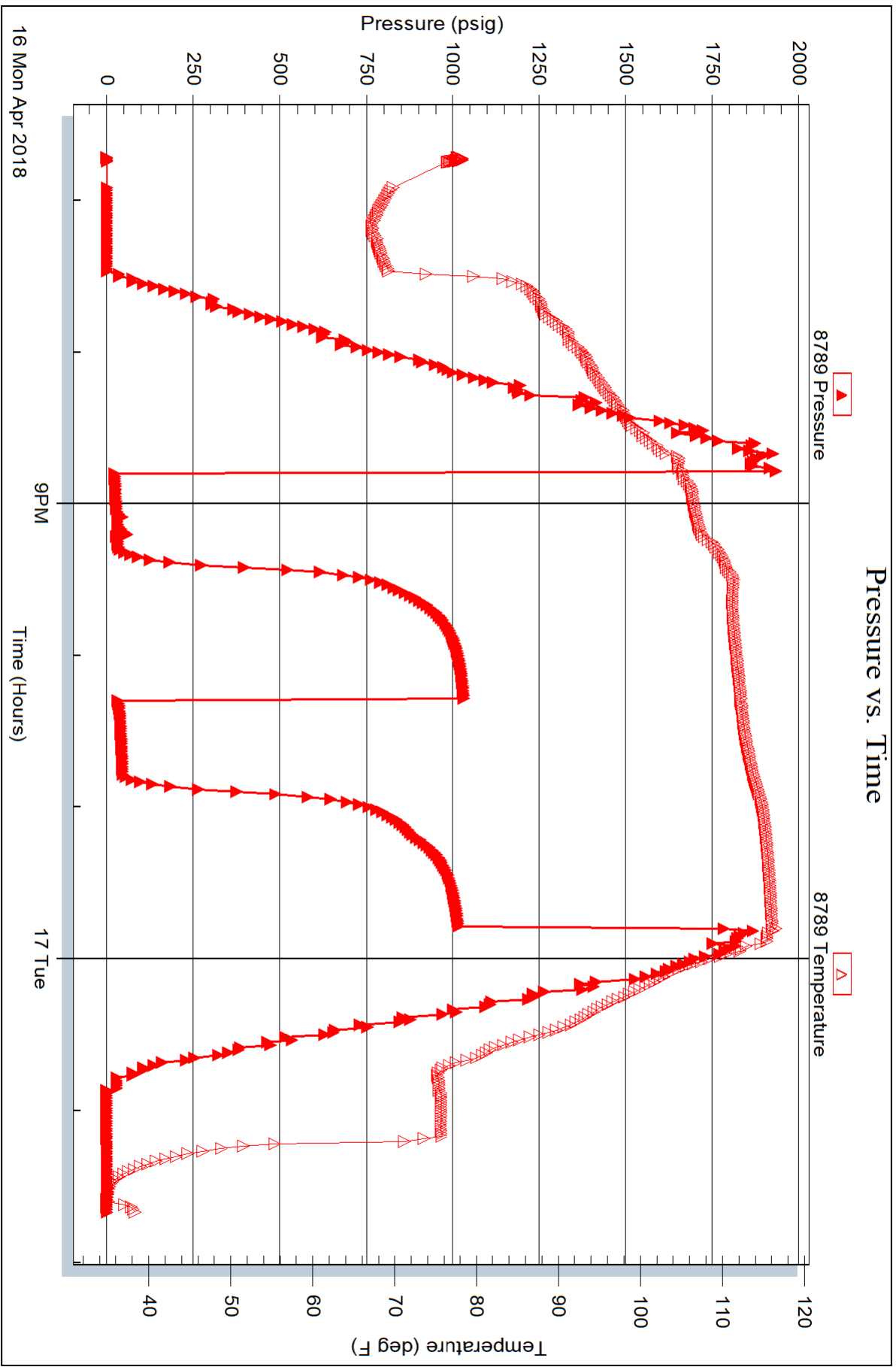
Serial #: 8789

Inside

Culbreath Oil & Gas Co Inc

Minium R 1-19

DST Test Number: 3



# GEOLOGICAL REPORT

## Larry A. Nicholson

NAD 83  
39.24958896  
-100.25918302

COMPANY & WELL Culbreath Oil & Gas - Minium #1-  
LOCATION 550' FSL 700' FEL NE SW SE SE  
SEC 19 TWP 9S RGE 26W  
COUNTY Sheridan STATE Ks

COMPANY Culbreath Oil & Gas Company, Inc.  
API # 15-179-21448 FIELD Wildcat  
LEASE Minium WELL # #1-19  
LOCATION NE SW SE SE  
SURVEY 550' FSL 700' FEL  
SECTION 19 TWP 9S RGE 26W  
COUNTY Sheridan STATE Kansas

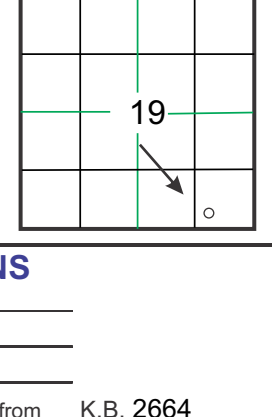
CONTRACTOR SouthWind TP Wes Pfaff Rig # 1  
SPUD 04-10-18 1:45 pm COMP. RTD  
RTD 4:145 8:26pm 4/17/18 LTD 4:145  
MUD UP AT 3314-3321  
MUD TYPE Chemical, Andy's Atron Blew

SAMPLES SAVED FROM 3500 TO RTD  
SAMPLES EXAMINED FROM 3500 TO RTD  
GEOLOGICAL SUPERVISION FROM 3500 TO RTD  
WELLSITE GEOLOGIST LARRY A. NICHOLSON

**ELEVATIONS**  
K.B. 2664  
D.F. \_\_\_\_\_  
G.L. 2654  
All measurements from K.B. 2664

**CASING RECORD**  
Conductor \_\_\_\_\_ of \_\_\_\_\_ in \_\_\_\_\_ ss  
Surface 266 of 8/5/8 w/ 275 ss  
Production \_\_\_\_\_ of \_\_\_\_\_ w/ \_\_\_\_\_ ss

8/5/8 6 its 24#



### ELECTRICAL SURVEYS

Hallib ACRT\_POR\_MICRO\_BSAT\_SURV SONIC

FORMATION	SAMPLE TOPS	SUBSEA DATUM	ELEC LOGS	SUBSEA DATUM	REFERENCE WELL	
					A	B
Anhydrite	2241	+423	2240	+424	2241	+414 +9
Base	2275	+389	2276	+388	2276	+379 +10
Topeka	3563	-899	3563	-899	3561	-906 +7
Heebner	3765	-1101	3772	-1108	3772	-1117 +9
Lansing	3807	-1143	3804	-1140	3804	-1149 +9
B zone	3842	-1178	3841	-1177	3839	-1184 +7
M Creek	3924	-1260	3926	-1262	3928	-1273 +11
H zone	3937	-1273	3938	-1274	3942	-1287 +13
Stark	3996	-1332	3990	-1326	3995	-1340 +14
Hush	4021	-1357	4016	-1352	4020	-1365 +13
BKC	4039	-1375	4038	-1374	4042	-1387 +13
RTD	4145	-1481	4145	-1481	4065	-1410
LTD	4145	-1481	4144	-1480	4068	-1413

REFERENCE WELLS  
A: MLB & I.W. Woolsey Friend #1 Sec 19 T9S R26W SW13 KB 2655  
B: \_\_\_\_\_

DRILLSTEM TEST SUMMARY: \_\_\_\_\_ REMARKS & RECOMMENDATIONS: \_\_\_\_\_

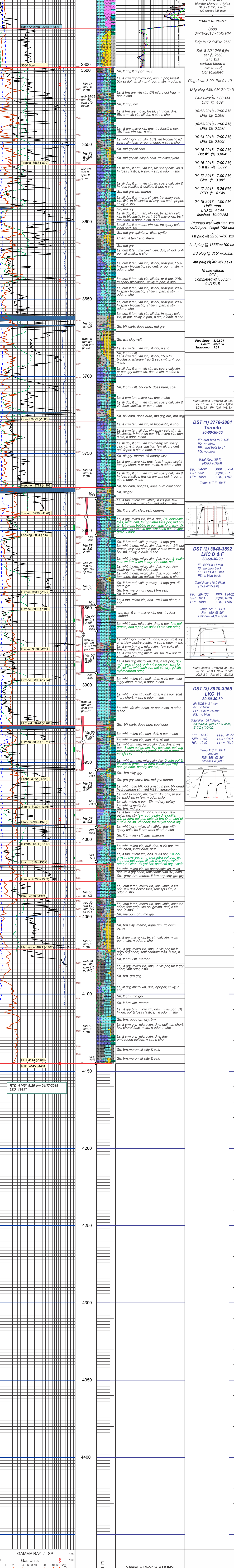
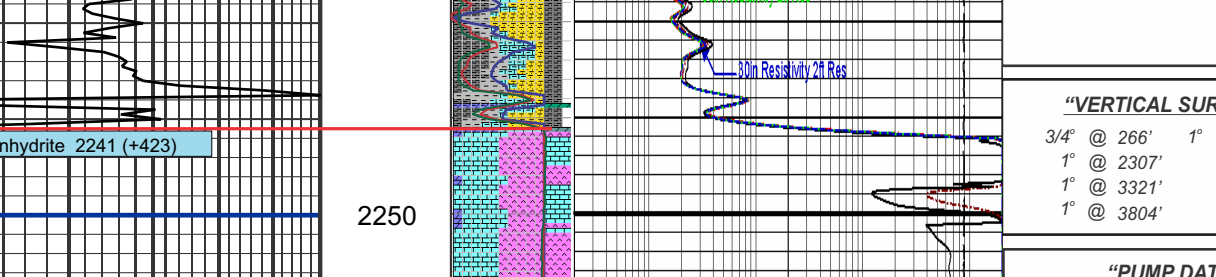
Dat #1 3773-3804 (Toronto) 30 60 30 60 IF:24-32 FF:35-34 SI:952-927  
Rec 30' OCM (40 96M) IF Surf to 2.14', n blow FF Surf blow build to 1 in, blow  
The well was structurally high with shows.  
Samples in general were tight with low porosity and  
very secondary cementation. Lacking permeability per  
dists test the well was P&A

Dat #2 3848-3892 (D & F zone) 30 60 30 90 IF:29-133 FF:134-223 SI:1011-1010  
Rec 418' MCW (75W 25M) IF BOB in 11 min, n blow FF BOB in 13 min, n blow  
\* Note RTD and LTD were the same. The ROP  
lines up with the log curvers & tops.

Dat #3 3923-3948 (H zone) 30 60 30 60 IF:32-42 FF:41-55 SI:1040-1025  
Rec 63' WMCO (50 15W 35M) 5' CO IF BOB in 21 min, n blow

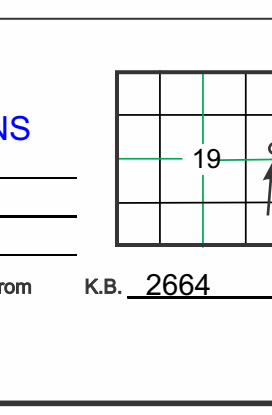
LAN 7/92, Modified 5/05, 11/11, 4/12, 4/18  
1inch = 25.4mm 8.5 x 9.5 2.16 mm x 2460 mm

### LEGEND



COMPANY Culbreath Oil & Gas Company, Inc.  
LEASE Minium #1-19 NE SW SE SE  
LOCATION 550' FSL 700' FEL SEC. 19 TWP 9S RGE 26W  
COUNTY Sheridan STATE Ks

**ELEVATIONS**  
K.B. 2664  
D.F. \_\_\_\_\_  
G.L. 2654  
All measurements from K.B. 2664





PRESSURE PUMPING LLC  
 PO Box 884, Chanute, KS 66720  
 620-431-9210 or 800-467-8676

FIELD TICKET & TREATMENT REPORT  
 CEMENT

TICKET NUMBER 55120

LOCATION Delton KS

FOREMAN Miles Shrew

Invoice # 812959

10501  
 10389

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
4-18-18	2777	Minimum 1-19	19	95	26W	Sheridan
CUSTOMER Culbreath			@wdr 15 N to R 70's			
MAILING ADDRESS 3501 South Yale Avenue			10 345 W & N 1/2			
CITY Tulsa		STATE OK	ZIP CODE 74135			
TRUCK #		DRIVER		TRUCK #		DRIVER
753		Traws W				
70		Keith C				

JOB TYPE PJA HOLE SIZE 7 7/8" HOLE DEPTH 4145 CASING SIZE & WEIGHT \_\_\_\_\_  
 CASING DEPTH \_\_\_\_\_ DRILL PIPE \_\_\_\_\_ TUBING \_\_\_\_\_ OTHER \_\_\_\_\_  
 SLURRY WEIGHT 13.8 SLURRY VOL 164 WATER gal/sk \_\_\_\_\_ CEMENT LEFT in CASING \_\_\_\_\_  
 DISPLACEMENT \_\_\_\_\_ DISPLACEMENT PSI \_\_\_\_\_ MIX PSI \_\_\_\_\_ RATE \_\_\_\_\_

REMARKS: Safety meetings and Rig up on Southwind drills Rig #1 Plus as ordered  
1st plug 505x @ 2258'  
2nd plug 1005x @ 1380'  
3rd plug 505x @ 315'  
4th plug 705x @ 40'  
RH 305x  
MH 155x  
255x 60/20 49 1/2" P

Thanks Miles & crew

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
CE0451	1	PUMP CHARGE	1900.00	1900.00
CE0002	40	MILEAGE	7.15	286.00
CE0710	11.09 Tons	Ton mileage deliveries	1.75	776.30
CE5829	2555x	Lite weight head II	16.00	40880.00
CE6075	64 #	Collar Pads / Flo seal	3.00	192.00
CP8278	1	8 5/8" Wooden Plug	1165.00	1165.00
			Subtotal	7399.30
			less 30% discount	2219.79
			Subtotal	5179.51
			SALES TAX	264.00
			ESTIMATED TOTAL	5443.51

COPY

Ravin 3737

AUTHORIZATION [Signature] TITLE Tool Pusher DATE 4-18-18

I acknowledge that the payment terms, unless specifically amended in writing on the front of the form or in the customer's account records, at our office, and conditions of service on the back of this form are in effect for services identified on this form.



PRESSURE PUMPING LLC  
PO Box 884, Chanute, KS 66720  
620-431-9210 or 800-467-8676

10431  
10322

TICKET NUMBER 55074  
LOCATION Oakley, KS  
FOREMAN Walt Dunkel

FIELD TICKET & TREATMENT REPORT  
CEMENT

Invoice # **812889**

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
4-10-18	2777	Minium 1-19	19	95	26 W	Stark Co
CUSTOMER <u>Colbreath</u>			TRUCK #			
MAILING ADDRESS <u>3501 South Yale Avenue</u>			DRIVER		TRUCK #	
CITY <u>Tulsa</u>			DRIVER		TRUCK #	
STATE <u>OK</u>			DRIVER		TRUCK #	
ZIP CODE <u>74135</u>			DRIVER		TRUCK #	

Quinte north to Reloo 1 West 2 1/2 N W 13

JOB TYPE Surface HOLE SIZE 12 1/4 HOLE DEPTH 268' CASING SIZE & WEIGHT 85lb-24#  
 CASING DEPTH 268 DRILL PIPE \_\_\_\_\_ TUBING \_\_\_\_\_ OTHER \_\_\_\_\_  
 SLURRY WEIGHT 15.2 SLURRY VOL \_\_\_\_\_ WATER gal/sk \_\_\_\_\_ CEMENT LEFT in CASING \_\_\_\_\_  
 DISPLACEMENT 15 3/4 DISPLACEMENT PSI \_\_\_\_\_ MIX PSI \_\_\_\_\_ RATE \_\_\_\_\_

REMARKS: Safety Meeting, Rig up on Southwind #, Circ casing on bottom mix 275-SKs Surface Blend II, Displace 15 3/4 BBL H2O, shot in Cement Drill Circ.

Thank You  
Walt Dunkel

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
Ceo 471	1	PUMP CHARGE	1,150.00	1,150.00
Ceo 002	40	MILEAGE	7.15	286.00
Ceo 710	12.93	Ton Mileage Delivery	19.5	905.20
CC.5871	275-SKs	Surface Blend II	24.00	6,600.00
<b>COPY</b>				
				8,941.20
Less 30%				-2,682.36
				6,258.84
SALES TAX				392.70
ESTIMATED TOTAL				6,651.54

RAVIN 3737 AUTHORIZATION [Signature] TITLE [Signature] DATE \_\_\_\_\_

I acknowledge that the payment terms, unless specifically amended in writing on the front of the form or in the customer's account records, at our office, and conditions of service on the back of this form are in effect for services identified on this form.