

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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FRANKS Oilfield Service

TICKET NUMBER 0338

◆ 815 Main Street Victoria, KS 67671 ◆ 24 Hour Phone (785) 639-7269
 ◆ Office Phone (785) 639-3949 ◆ Email: franksoilfield@yahoo.com

LOCATION Haye KS
 FOREMAN Sody Hess

FIELD TICKET & TREATMENT REPORT CEMENT

DATE <u>6-17-21</u>	CUSTOMER #	WELL NAME & NUMBER <u>TPWAB 2-35</u>	SECTION <u>3.5</u>	TOWNSHIP <u>14 S</u>	RANGE <u>41 W</u>	COUNTY <u>Victoria</u>
CUSTOMER <u>Reel Oak Energy</u>						
MAILING ADDRESS		HOLE SIZE <u>12.75</u>		HOLE DEPTH <u>390'</u>		CASING SIZE & WEIGHT <u>8 3/8 23"</u>
CITY	STATE	ZIP CODE	TUBING		OTHER	

JOB TYPE <u>Surface</u>	CASING DEPTH <u>398'</u>	DRILL PIPE <u>1.51"</u>	WATER gal/sk	CEMENT LEFT in CASING
SLURRY WEIGHT <u>14.5</u>	DISPLACEMENT PSI <u>23.25</u>	MIX PSI	RATE	

REMARKS: Softy settings + Bg up Muffin Drilling *12 Circulate casing mixed
2755 of Class A 3066 2 Stage + Displaced 23.25 bbls of #20
4 shut JAL
Cement Did Circulate to Surface

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
PC 002	1	PUMP CHARGE	\$1150.00	\$1150.00
M 001	45	MILEAGE	\$45.00	\$422.50
M 002	12.93	Ten mileage	\$1260.68	\$1260.68
CB 004	275	Class A Surface Blend 30% 2 Stage	\$24.50	\$6737.50
sub total				\$9570.68
less 40% discount				\$3882.77
sub total				\$5742.41
SALES TAX				303.19
ESTIMATED TOTAL				6,045.60

AUTHORIZATION Sody Hess TITLE Big Manager DATE 6-17-21

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.

FRANKS Oilfield Service

◆ 815 Main Street Victoria, KS 67671 ◆ 24 Hour Phone (785) 639-7269
 ◆ Office Phone (785) 639-3949 ◆ Email: franksoilfield@yahoo.com

TICKET NUMBER

0345

LOCATION Hoxie

FOREMAN Benson

FIELD TICKET & TREATMENT REPORT

CEMENT

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
6-25-21		PWAB Unit # 2-35	35	145	#1 W	Wes. Moore
CUSTOMER	MAILING ADDRESS					
Reel Oak Energy, Inc.						
CITY	STATE	ZIP CODE	TRUCK #	DRIVER	TRUCK #	DRIVER
			101	Tom W.		
			103	W. T.		

JOB TYPE 2 staff HOLE SIZE 7 7/8" HOLE DEPTH 5175' CASING SIZE & WEIGHT 5 1/2" 17#
 CASING DEPTH 5173' DRILL PIPE _____ TUBING _____ OTHER _____
 SLURRY WEIGHT 11.5"/14.8" SLURRY VOL _____ WATER gal/sk _____ CEMENT LEFT in CASING _____
 DISPLACEMENT _____ MIX PSI _____ RATE _____

REMARKS: Safety meeting. Rig up on main 1/2. Rkby casing. Scratcher for 3, 4 & 5 cent. on 1st 3, 5, 7, 9, 11, 13, 15, 17, 55 & 90. Bkt on 1st 4, 5 & 9. Casing on bottom. Break nice. This mud mix 150 sacks. Displace by 119 1/2 Bbbs. Air pressure 900'. Seal plug at 1000'. Release to truck-held. Open D.V. tool. Give for 3 hrs. Pump 500 gal mudfish plug. Set hole w/ 30 sacks. Mix 320 sacks multi density. Displace w/ 164 Bbbs. Seal plug w/ 2000' Class D.V. tool. Return to truck-held. Give cement to pit.

Thanks for the crew

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
PC004	1	PUMP CHARGE	\$2500.00	\$2500.00
MO01	65	MILEAGE	\$6.50	\$422.50
MO02	23.5	Ton mileage Delivery		\$2,291.25
CB030	150	Class A 1/4" spacer / 10% base / 2% gel / 5% Kelsey	\$26.55	\$4,282.50
CB027	350	Multi density mudfish	\$28.00	\$9,800.00
CP013	1000 gal.		\$1.00	\$1,000.00
CP014	2 gal.	KCh	\$30.00	\$60.00
FE013	10	5 1/2" cent. tabolizer	\$108.00	\$1,080.00
FE096	8	5 1/2" recip. scratchers	\$75.00	\$600.00
FE022	3	5 1/2" basket (weatherford)	\$385.00	\$1,155.00
FE033	1	5 1/2" guide shoe AFU	\$100.00	\$100.00
FE090	1	5 1/2" D.V. tool (weatherford)	\$600.00	\$600.00
FE051	1	5 1/2" latchdown plug ss.	\$695.00	\$695.00
			Subtotal	\$32,486.25
			less 30% discount	\$9,745.88
			Subtotal	\$22,740.37
			SALES TAX	1,326.81
			ESTIMATED TOTAL	22,667.18

AUTHORIZATION _____

TITLE _____

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.

MUD LOG
WellSight Systems
Scale 1:240 (5"=100') Imperial
Measured Depth Log

Well Name: PWAB Unit #2-35
API: 15-199-20453
Location: NE SE NE SW Sec 35-14S-41W
License Number: 3581
Spud Date: 6/17/2021
Surface Coordinates: NAD27 Long: -101.8441973
NAD27 Lat: 38.7897248
Region:
Drilling Completed: 6/24/2021
Bottom Hole Coordinates:
Ground Elevation (ft): 3772 K.B. Elevation (ft): 3780
Logged Interval (ft): 4600 To: 5175 Total Depth (ft): 5175
Formation: Morrow Upper Sand
Type of Drilling Fluid: Chemical Mud

Printed by MudLog from WellSight Systems 1-800-447-1534 www.WellSight.com

OPERATOR

Company: Red Oak Energy, Inc.
Address: 7701 E. Kellogg Ste. 710
Wichita, KS 67207

GEOLOGIST

Name: Kevin C. Davis
Company:
Address:

Cores

No Cores

DSTs

DST #1 4982-5035
Morrow Upper Sand
15-30-60-60
IF: weak blow built to 3"
ISI: No return
FF: B.O.B. in 35 min, built to 22 1/4"
FSI: No return
REC: 120' M w/scum of oil in tool
IFP: 33-45#
FFP: 48-73#
SIPs: 322-383#
BHT 134 deg F

Comments

After evaluating samples, DST & E-logs it is recommended to run production casing and further test the Upper Morrow SS. This sand is pressure connected to the PWAB Unit #1-35. We believe the well will be a "lite" well and IP for 10-20 bbls oil/day with salt water.

ROCK TYPES

- Anhy
- Bent
- Brec
- Cht

- Clyst
- Coal
- Congl
- Dol

- Gyp
- Igne
- Lmst
- Meta

- Mrlst
- Salt
- Shale
- Shcol

- Shgy
- Sltst
- Ss
- Till

ACCESSORIES

MINERAL

- Anhy
- Arggrn
- Arg
- Bent
- Bit
- Brecfrag
- Calc
- Carb
- Chtdk
- Chtlt
- Dol
- Feldspar
- Ferrpel
- Ferr
- Glau

- Gyp
- Hvymin
- Kaol
- Marl
- Minxl
- Nodule
- Phos
- Pyr
- Salt
- Sandy
- Silt
- Sil
- Sulphur
- Tuff

FOSSIL

- Algae
- Amph
- Belm
- Bioclst
- Brach
- Bryozoa
- Cephal
- Coral
- Crin
- Echin
- Fish
- Foram
- Fossil
- Gastro
- Oolite

- Ostra
- Pelec
- Pellet
- Pisolite
- Plant
- Strom

STRINGER

- Anhy
- Arg
- Bent
- Coal
- Dol
- Gyp
- Ls
- Mrst

- Sltstrg
- Ssstrg

TEXTURE

- Boundst
- Chalky
- Cryxln
- Earthy
- Finexln
- Grainst
- Lithogr
- Microxln
- Mudst
- Packst
- Wackest

OTHER SYMBOLS

POROSITY

- Earthy
- Fenest
- Fracture
- Inter
- Moldic
- Organic
- Pinpoint

- Vuggy

SORTING

- Well
- Moderate
- Poor

ROUNDING

- Rounded
- Subrnd
- Subang
- Angular

- Spotted
- Ques
- Dead

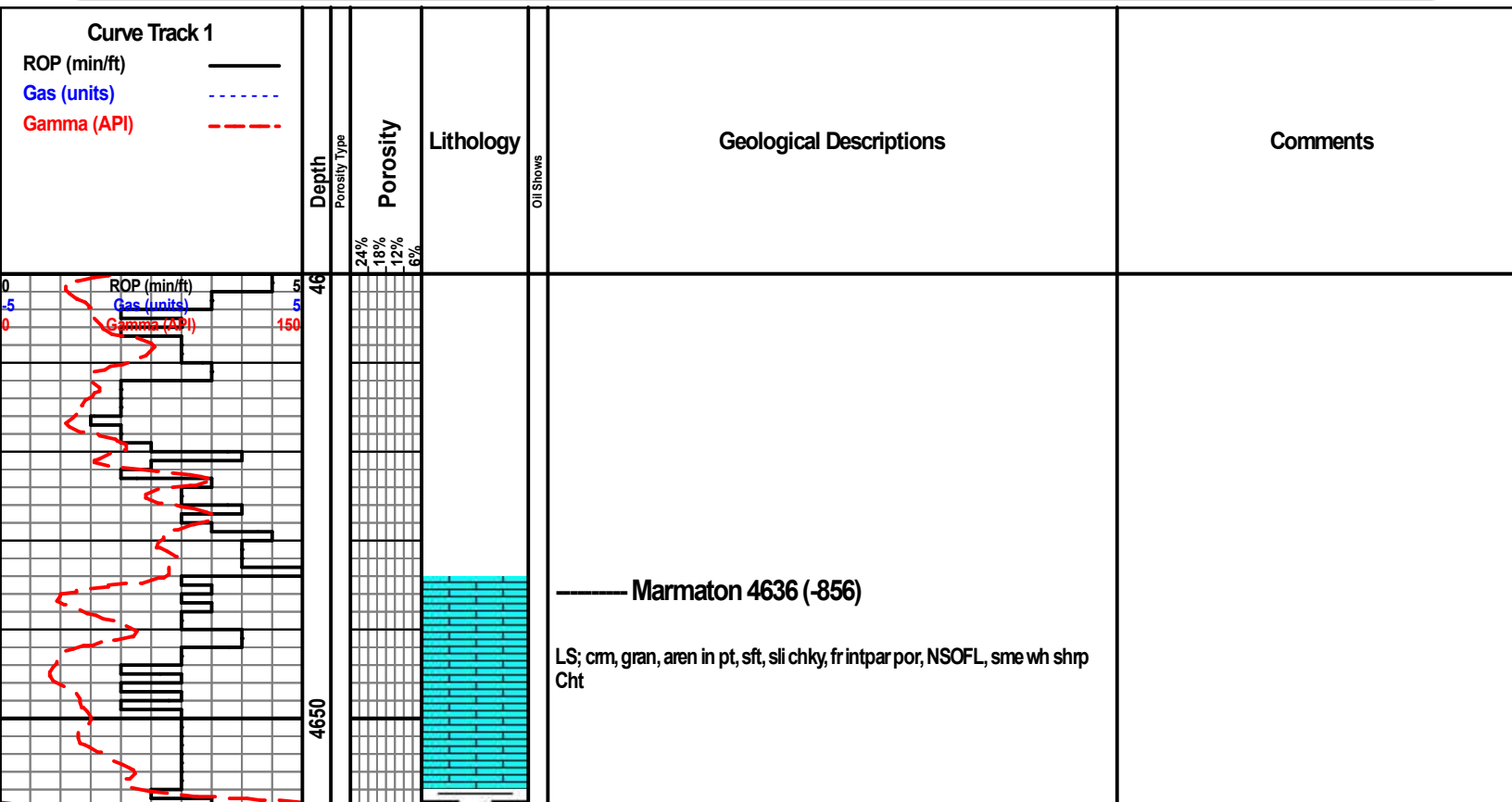
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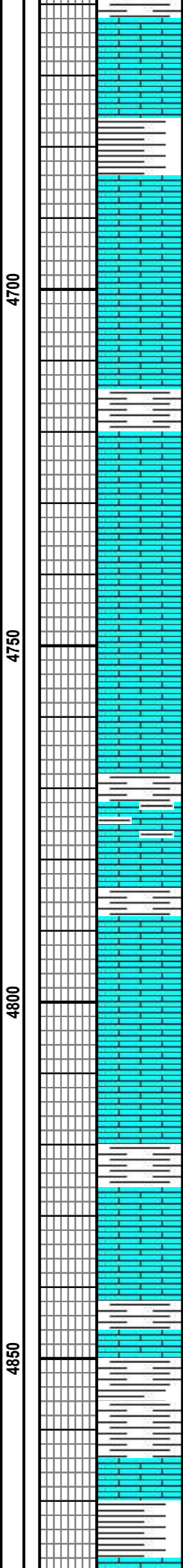
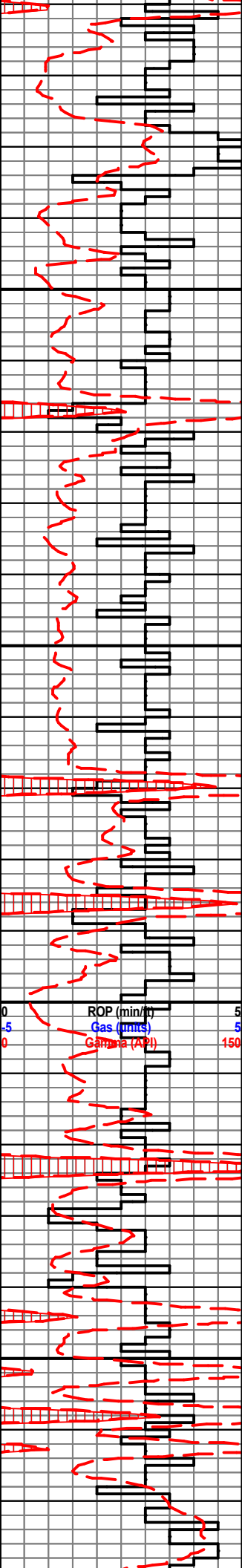
- Core
- Dst

EVENT

- Rft
- Sidewall

- OIL SHOW Even





LS; cm, f xln, sli aren, sft, sli chky NSOFL

— Pawnee 4724 (-944)

— Cherokee Sh 4785 (-1005)

LS; m-c xn, sli aren, fr intxn por, sme chk fil, NSOFC

LS; bm, foss, dns, ti, hd

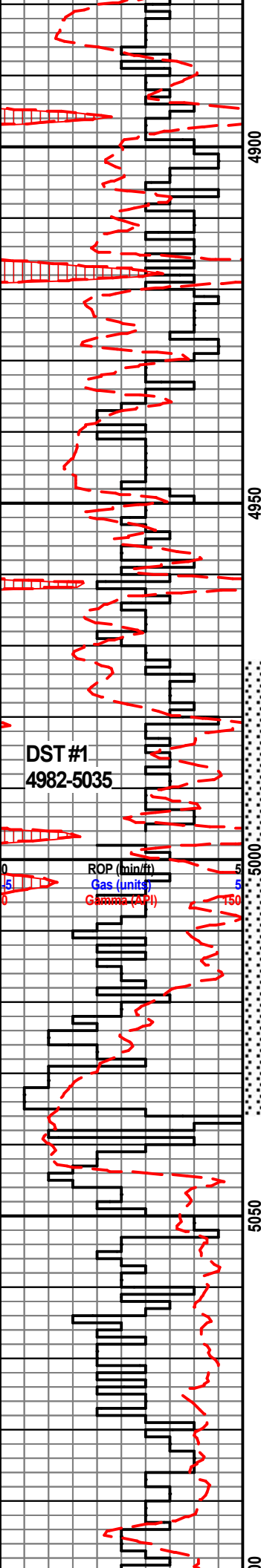
SH; blk, carb, pyr, LS;

LS; cm, ool, sli frm, chky, pp por, NSOFC

— Atoka 4880 (-1100)

ROP (min/ft) 5
 Gas (umrc) 5
 Gamma (API) 150

LS; hd, chrt, spic



DST #1
4982-5035

ROP (min/hr)
Gas (units)
Gamma (API)

4900

4950

5000

5050

5100



————— **Morrow Sh 5002 (-1022)**

SH; drk gry, gm, rd bm

● SS; qtz, wh, f gr clus, sbmdd, mod wl srted, p-m cmt, fry ch, abd free oil droplets. ad oil fluor

————— **Morrow Upper Ss 5026 (-1246)**

● SS; AA, incr shw of oil & gas, coarsening slightly downward, cleaner, a few m-crs ind gr, sm fluor

○ SS; qtz, occ uncons, mic gr, md-ang, sme w fluor, sme w blk res

○ SS; AA, sme w sct oil fluor, abd bm SH w carb

SH; blk, pyr, blk-tourq, lam bm AA

SH; gry, carb in pt

SH; AA, sme gry bm, pyr, sme blk-gry

SH; gry, carb in pt, blk-gry

SH; gry, carb in pt, blk-gry

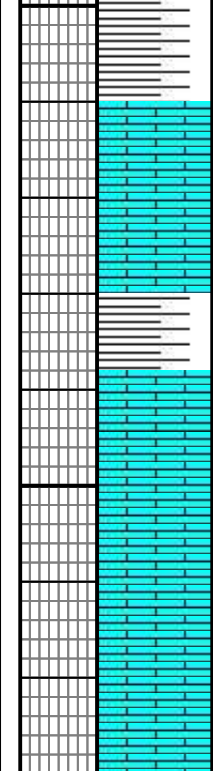
SS; wh, lt gry-gm, vf-f gr, sbmd-sbang mod wl srted, lmy in pt, glauc, gen wl cmted, v p intgr por, grad to Sltst, NSOFC

Strap 7' short of board

DST #1 4982-5035
Morrow Upper Sand
15-30-60-60
IF: weak blow built to 3"
ISI: No return
FF: B.O.B. in 35 min, built to 22 1/4"
FSI: No return
REC: 120' M w/scum of oil in tool
IFP: 33-45#
FFP: 48-73#
SIPs: 322-383#
BHT 134 deg F



510
5150



SS; wh, v lt gm, vf-f-occ med gr, sbmd, mod wl - w srtd, wl cmtd, no vis por, glauc, NSOFC

LS; tn, bm, v foss, hd, dns

LS; AA, abd wh, sft, chky

SH; gry

LS; cm, tn, foss, v frm-frm, dns, sme wh sft chk

LS; AA, sme SH; blk-gry, w blk carb strgs

LS; AA

RTD 5175 @ 8:59 CST 6/24/21



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Red Oak Energy

35-14S.-41W Wallace, KS

7701 E Kellogg Dr
STE 710
Wichita, KS 67207
ATTN: Kevin Davis

PWAB Unit #2-35

Job Ticket: 67095

DST#: 1

Test Start: 2021.06.23 @ 10:40:00

GENERAL INFORMATION:

Formation: **Morrow**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 13:24:00

Time Test Ended: 18:22:50

Test Type: Conventional Bottom Hole (Initial)

Tester: Martine Salinas

Unit No: 82

Interval: 4982.00 ft (KB) To 5035.00 ft (KB) (TVD)

Reference Elevations: 3780.00 ft (KB)

Total Depth: 5035.00 ft (KB) (TVD)

3772.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 8.00 ft

Serial #: 8734 Outside

Press@RunDepth: 73.02 psig @ 4983.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2021.06.23

End Date: 2021.06.23

Last Calib.: 2021.06.23

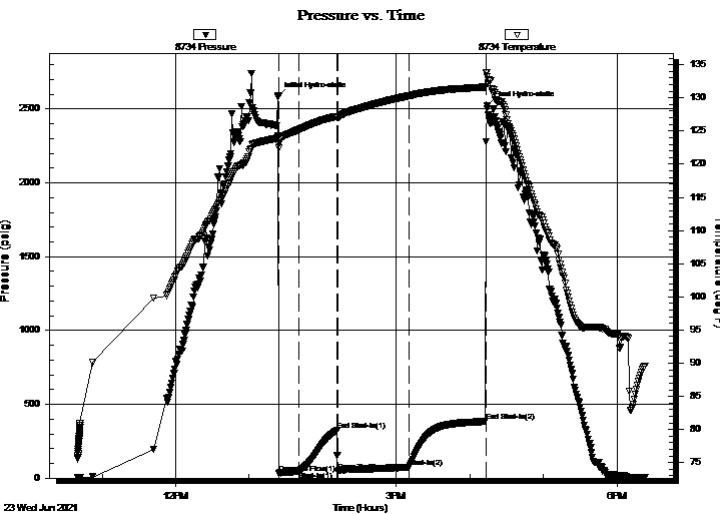
Start Time: 10:40:01

End Time: 18:22:50

Time On Btm: 2021.06.23 @ 13:23:40

Time Off Btm: 2021.06.23 @ 16:14:00

TEST COMMENT: 15-IF-S.blow built to 3"
30-ISI-No return
60-FF-B.O.B (11 inches) @ 35 mins (blow increased to 22 1/4")
60-FSI-No return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2584.24	124.12	Initial Hydro-static
1	33.71	122.94	Open To Flow (1)
17	45.58	125.21	Shut-In(1)
48	322.62	127.20	End Shut-In(1)
49	47.87	126.99	Open To Flow (2)
107	73.02	130.30	Shut-In(2)
170	383.21	131.63	End Shut-In(2)
171	2519.96	133.83	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
120.00	100% Mud/ Oil scum in tool	0.59

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Red Oak Energy

35-14S.-41W Wallace, KS

7701 E Kellogg Dr
STE 710

PWAB Unit #2-35

Wichita, KS 67207

Job Ticket: 67095

DST#: 1

ATTN: Kevin Davis

Test Start: 2021.06.23 @ 10:40:00

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: 7.99 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2800.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
120.00	100% Mud/ Oil scum in tool	0.590

Total Length: 120.00 ft Total Volume: 0.590 bbl

Num Fluid Samples: 0

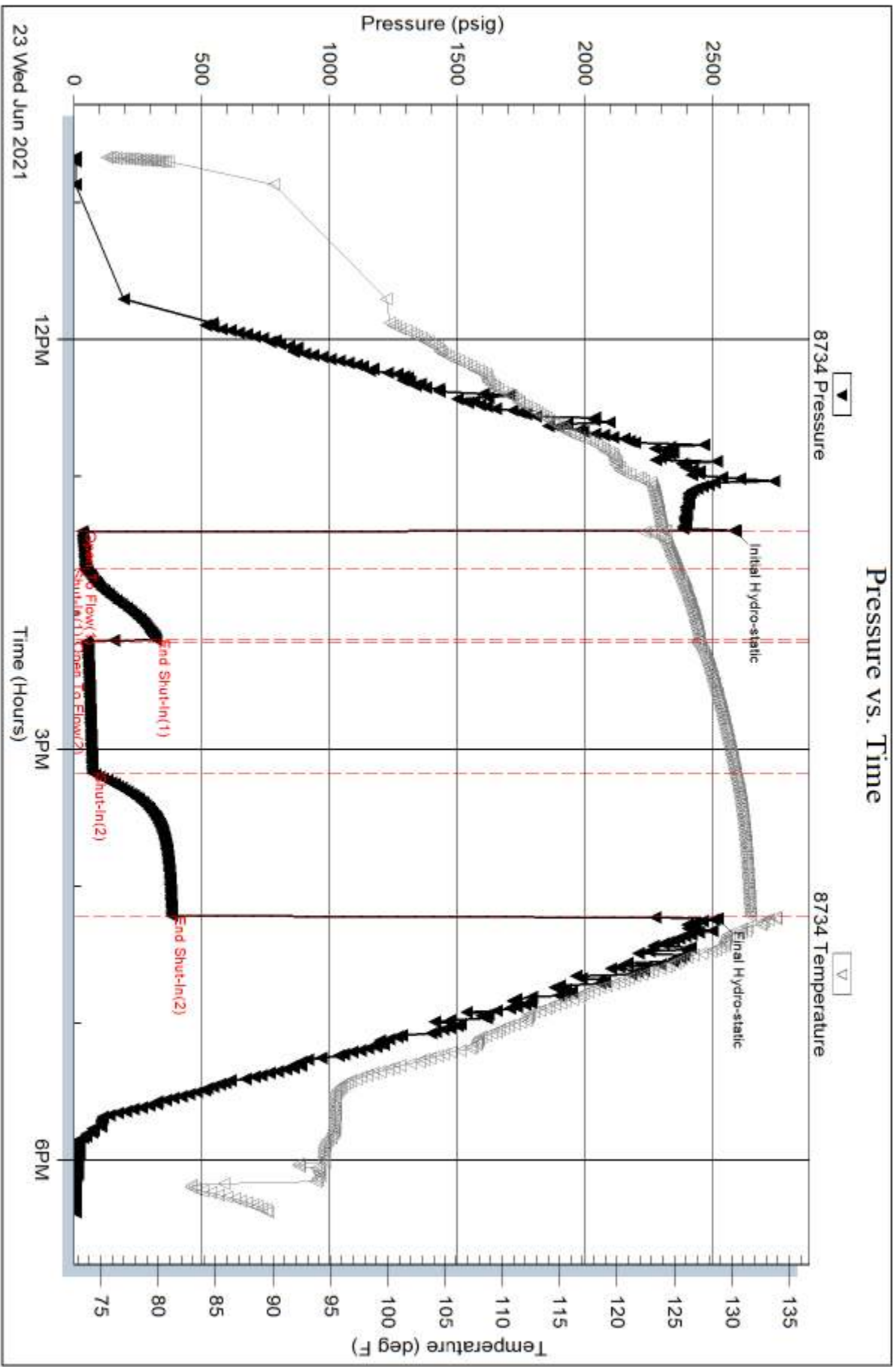
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



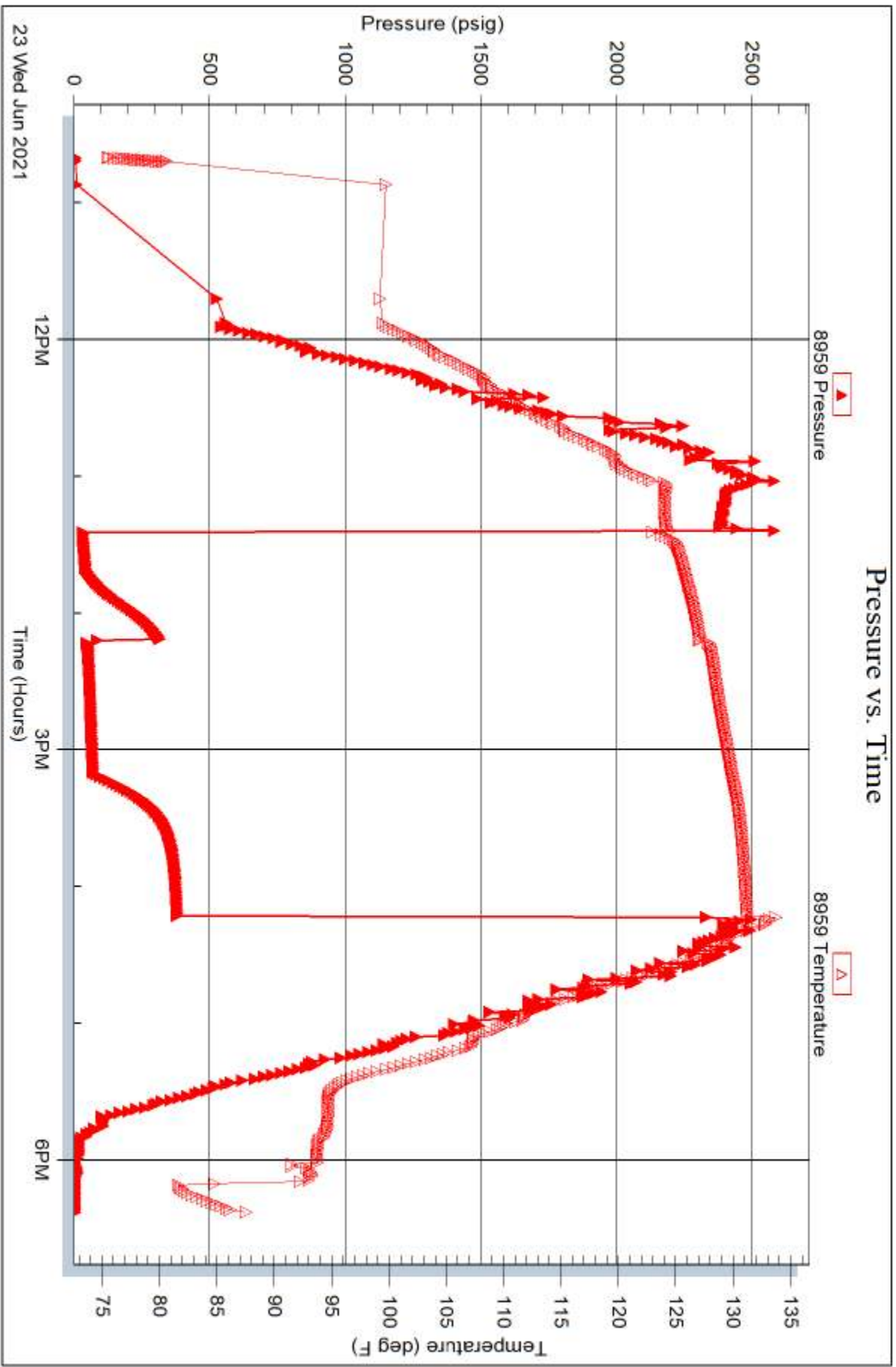
Serial #: 8959

Inside

Red Oak Energy

PWAB Unit #2-35

DST Test Number: 1



Tribble Testing, Inc

Ref. No: 67095

Printed: 2021.06.23 @ 19:11:36