

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) (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	Deutsch, Kent A. dba Deutsch Oil Company
Well Name	HOEME TRUST 5-17
Doc ID	1709391

All Electric Logs Run

Dual Induction
Compensated Neutron/Density
Micro
Frac Finder

Geologic Report
Aaron L. Young

Drilling Time and Sample Log

Scale 1:240 (5"=100') Imperial
Measured Depth Log

Well Name: Hoeme Trust #5-17
API: 15-151-22558
Location: Section 17 - T27S - R12W
License Number: 3180
Spud Date: 11 / 26 / 2022
Surface Coordinates: 660' FNL and 990' FWL
Approx. E2 - NW - NW
Region: Pratt Co., KS
Drilling Completed: 12 / 02 / 2022
Bottom Hole Coordinates:
Ground Elevation (ft): 1858' K.B. Elevation (ft): 1866'
Logged Interval (ft): 3700' To: 4470' Total Depth (ft): 4470'
Formation: Simpson
Type of Drilling Fluid: Mud-Co

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

OPERATOR

Company: Deutsch Oil Company
Address: 8100 E 22nd St N, Bldg 600
Wichita, KS 67226

GEOLOGIST

Name: Aaron L. Young, M. S.
Company: Young Consulting LLC
Address: 100 S Main Ste 505
Wichita, KS 67202

General Info

CONTRACTOR: Fossil Drilling, Rig #5

BIT RECORD:

No.	Size	Make	Jets	Out	Feet	Hours
1	12-1/4	RR	18-18-18	242'	242'	4.5
2	7-7/8	SMITH MI616	15-15-15	4470'	4228'	81.5

Surveys: 242'-.25, 752'-1, 1257'-1, 1763'-.75, 2268'-.5, 2868'-1, 3373'-.75, 3909'-1.5, 4257'-1, 4470'-1

GENERAL DRILLING AND PUMP INFORMATION:

Drilling with 8,000 - 15,000 lbs. on bit and approx 80-110 RPM.

Running 8 stands of collars; 455.86'

Pumping approx 800-900 psi at standpipe @ 60-64 SPM

Daily Status

10/26/22 Stake well and survey elevation. GL: 1858 ft. KB: 1863 ft.
 11/03/22 Intent to Drill approved by Kansas Corporation Commission. API# 15-151-22558-00-00.
 11/18/22 Level location and dig pits.
 11/23/22 Move in Fossil Drilling Rig #5.
 11/26/22 Rig up. Spud well at 11:00 am. Set 10 3/4" surface casing at 238 ft. with 220 sx. 60/40 poz. cement, 3% cc., 1/4# celloflake. Plug down at 9:00 pm.
 11/27/22 Drilling ahead at 342 ft. at 7:00 am.
 11/28/22 Drilling ahead at 1900 ft. at 7:00 am.
 11/29/22 Drilling ahead at 2900 ft. at 7:00 am.
 11/30/22 Drilling ahead at 3890 ft. at 7:00 am.
 12/01/22 4257 ft. at 7:00 am, running DST #1, 4230-4257 (Lower Miss) 30-60-45-90.
 12/02/22 RTD 4470' at 7:00 am, going in with logging tool. Unload 109 jts new 5-1/2" 15.5# producing casing, tallied 4593.80'. Tagged bottom @ 4468', we picked up 1'. Set pipe @ 4467'; shoe joint is 17.50'. Centralizers: 4408'; 4324'; 4239'; 4196'; 4154'; 4111' and 4026'. Basket @ 4026'. Float @ 4452'.

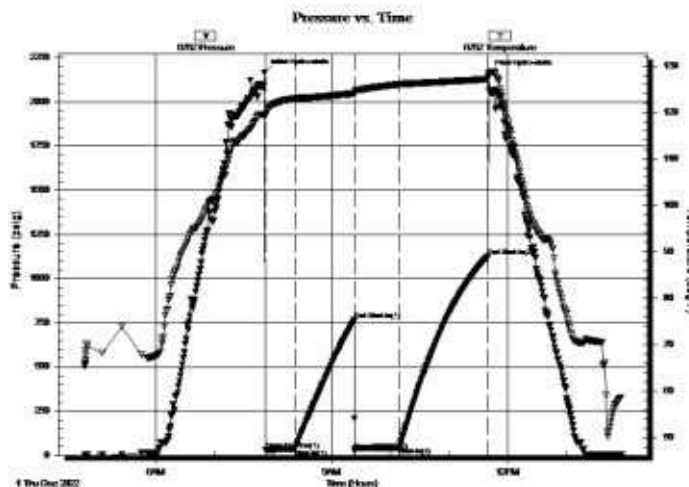
Ran 5-1/2" guide shoe, 106 jts 5-1/2" 15.5# casing, tagged bottom @ 4468', we picked up 1'; set pipe @ 4467'. Broke circulation. Circulated well for 1-1/2 hrs. Hooked up Hurricane Services. Mixed 50 sxs H-Plug, plugged rathole w/30 sxs and mousehole w/20 sxs. Prepare to cement long string. Mixed 25 sxs H-Plug scavenger cement 175 sxs H-Long Cement. Stopped pumping. Washed up pump and line. Got ready to pump displacement. Pumped 106 bbls. Plug landed. Pressured to 1900#'s, it held. Release pressure. Plug down @ 12:33 AM on 12/02/2022. Rigged down Hurricane Services. Job complete.

DST #1 Lower Miss Chert
 4230' - 4257'
 30" - 60" - 45" - 90"

IF: BOB in 12 min, built to 31.69"
 ISI: No blow back
 FF: BOB immed., built to 135.06"
 FSI: No blow back

Rec'd: 1800' GIP, 30 GWCM (10%G, 4% W, 86% M)

SIP: 763-1123#
 FP: 32-38#, 25-46#
 HP: 2166-2161#



ROCK TYPES

	Anhy
	Bent
	Brec
	Cht
	Clyst
	Coal
	Congl
	Dol

	Gyp
	Igne
	Lmst
	Meta
	Mrlst
	Salt
	Shale
	Shcol

	Shgy
	Sltst
	Ss
	Till
	Carb sh
	Dol
	Dtd
	Gry sh

	Sandylms
	Shale
	Sltstn
	Shlyslts
	SltysH
	Lms

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
- Chlorite
- Dol
- Sand
- Silty

FOSSIL

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



- Fossil
- Gastro
- Oolite
- Ostra
- Pelec
- Pellet
- Pisolite
- Plant
- Strom
- Fuss
- Oomold

STRINGER

- Anhy
- Arg
- Bent
- Coal
- Dol
- Gyp
- Ls
- Mrst
- Sltstrg
- Ssstrg
- Carbsh



- Clystn
- Dol
- Grysh
- Gryslt
- Lms
- Sandylms
- Sh
- Sltstn

TEXTURE

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

OTHER SYMBOLS

POROSITY TYPE

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

SORTING

- Well
- Moderate
- Poor

ROUNDING

- Rounded
- Subrnd
- Subang
- Angular

OIL SHOWS

- Even
- Spotted
- Ques
- Dead
- Gas show

INTERVALS

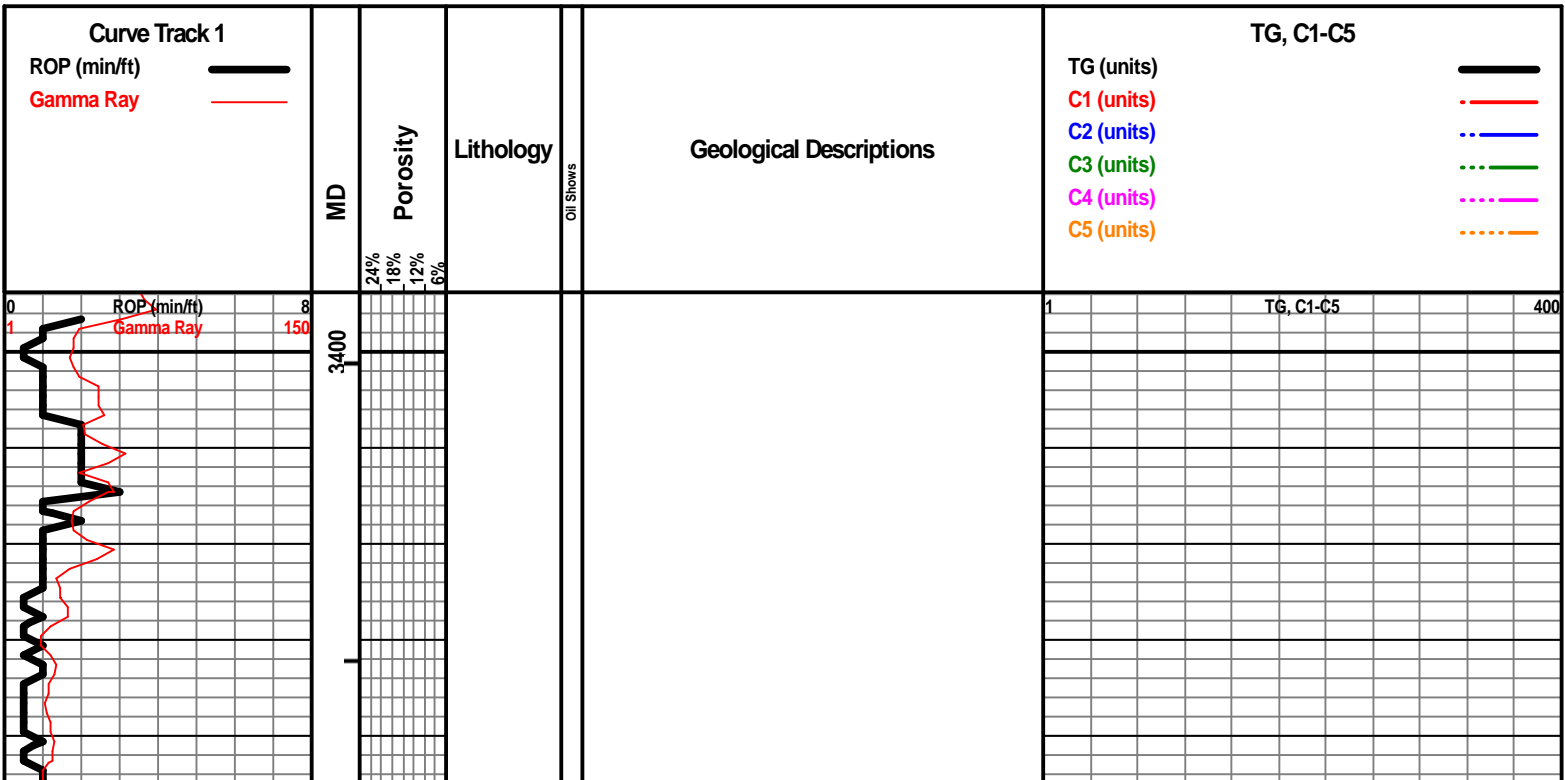
- Core
- Dst

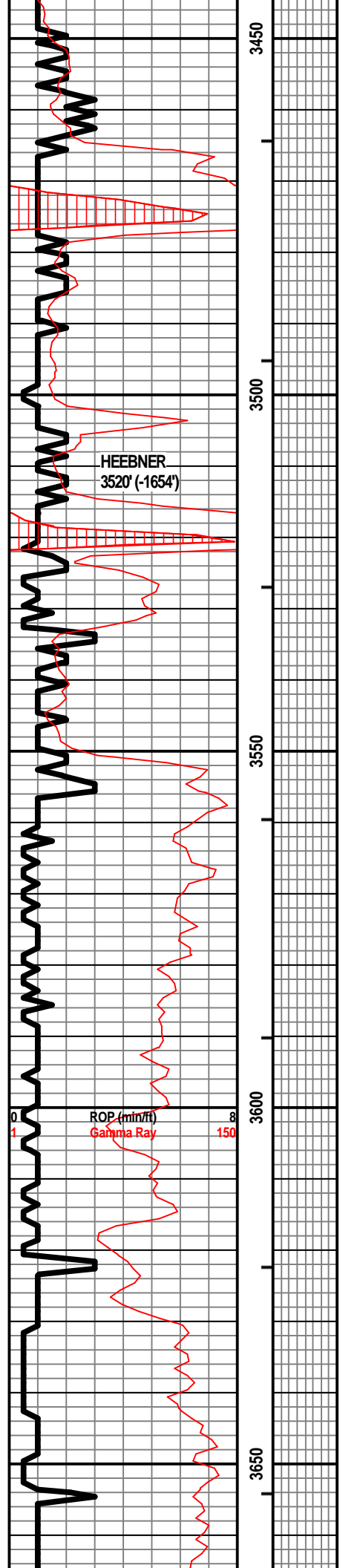


Dst

EVENTS

- Rft
- Sidewall
- Conn





3450

3500

3550

3600

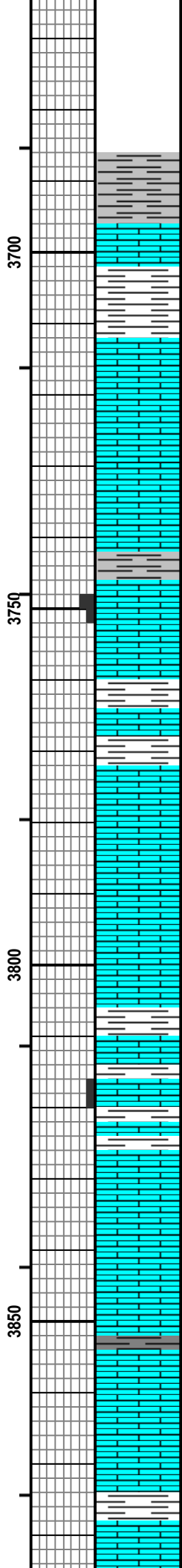
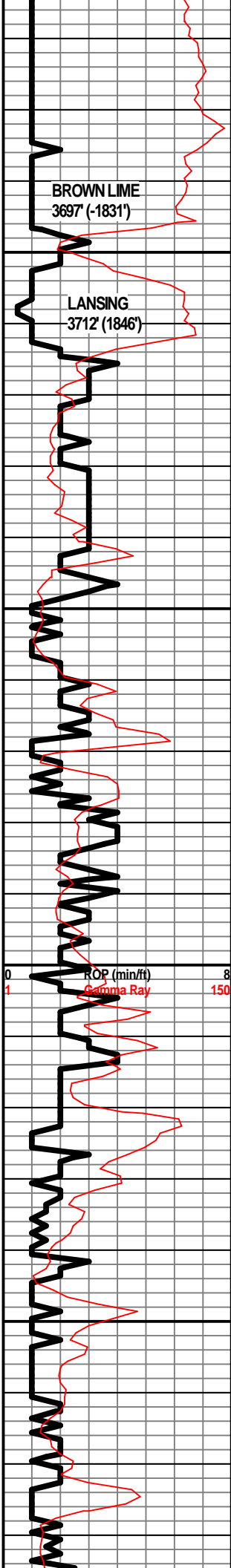
3650

HEEBNER
3520' (-1654')

ROP (min/ft)
Gamma Ray

TG, C1-C5

400



SH - LT GY / GY

LS - TAN / GY / BRN, W / SH - GY, W / SH - MAR

LS - CRM / TAN, F XLN, MOD DNS, FOSS IN PT, W / SH - GRN / GRN / MAR

LS - CRM / TAN / GY, F XLN, MOD DNS / DNS, FOSS IN PT

LS - CRM / TAN, F XLN, MOD DNS, FOSS IN PT, W / SH - GY

LS - CRM, F / VF XLN, PRED MOD DNS, F INTERXLN POR IN FEW PIECES, SSFO, V LT OIL DROPLETS, BRE YEL-GRN FLUOR IN SHO ROCKS, SLI ODOR WHEN BRKN

LS - CRM / TAN / GY IN PT, F XLN MOD DNS / DNS, FOSS IN PT, W / SH - GY / GRN IN PT

LS - TAN / CRM, M / F XLN, VF XLN IN PT, PRED DNS / V DNS, FOSS, MOD DNS / SUBCHKY IN PT

LS - TAN / CRM, VF / F XLN, MOD DNS / SUBCHKY

LS - TAN / GRN / GY, F XLN, MOD DNS / DNS

LS - TAN / GY, F / M XLN, MOD DNS / DNS, FOSS IN PT, W / SH - GY

LS - GY / TAN, F / M XLN, DNS, FOSS, P INTERXLN POR IN FEW PIECES, LIVE OIL STN, SLI SH OF THICK ALMOST TARRY OIL, SLI ODOR WHEN BRKN, V SLI CUP ODOR, NO FLUOR

LS - TAN / CRM, F XLN, MOD DNS / DNS, FOSS IN PT

LS - CRM / TAN, VF / F XLN, SUBCHKY / MOD DNS

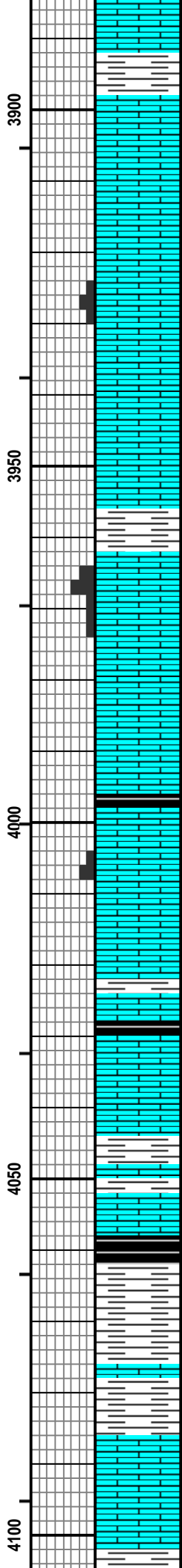
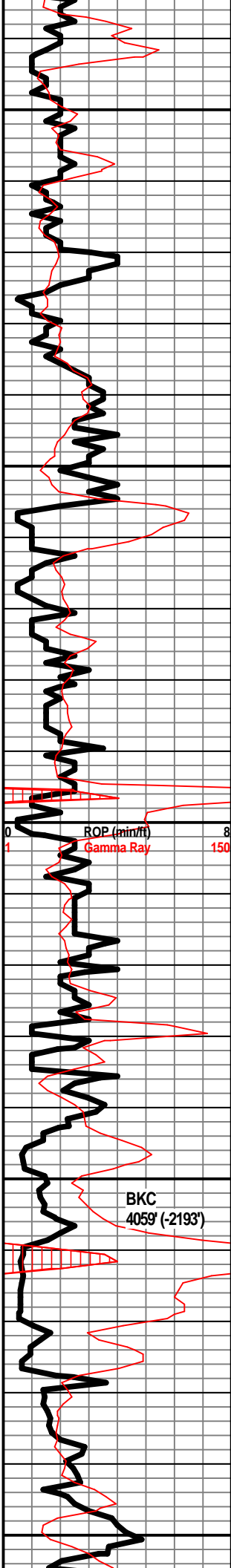
LS - LT GY / TAN, VF / F XLN, MOD DNS / SUBCHKY

LS - CRM / TAN, VF / F XLN, MOD DNS / SUBCHKY, W / SH - DK GY / BLK

LS - CRM / TAN, F XLN, MOD DNS, P INTERXLN POR IN FEW PIECES, SLI SHO OF BLK TARRY OIL, SLI ODOR WHEN BRKN, DULL YEL-GRN FLUOR IN SHO ROCKS

LS - CRM / TAN, F XLN MOD DNS / SUBCHKY IN PT, DNS IN PT W / SH - GRN / GY

TG, C1-C5 400



DNS IN PT, W/SH - GRN /GY

LS - CRM /TAN, F XLN MOD DNS SUBCHKY, W/LS - WHT, V CHKY, W/SH - GRN /GY

LS - CRM /TAN, F XLN, MOD DNS/DNS, FOSS, P INTERXLN & INTERPART POR IN PT, SSFO, V LT BRN OIL, BLK STN, NO FLUOR, W/SH - GRN /GY

LS - WHT /CRM, CHKY /V CHKY

LS - CRM /TAN, F XLN, MOD DNS, FOSS, P/F INTERXLN & INTERPART POR IN PT, SSFO, V LT OIL, F CUP ODOR, STRG ODOR WHEN BRKN, DULL YEL-GRN FLUOR IN SHO ROCKS

LS - CRM /TAN, F /M XLN, MOD DNS/DNS, W/LS - CRM /WHT, VF XLN, SUBCKY /CHKY

LS - TAN /LT GY, F /M XLN, DNS /MOD DNS, FOSS IN PT

SH - DK GY /GY, W/LS - CRM /TAN, VF /F XLN, MOD DNS /SUBCHKY

LS - CRM /LT GY, F XLN, FOSS, P/F INTERXLN POR, G POR IN PT, FSFO, V LT /LT BRN OIL, SLI CUP ODOR, MOD YEL-GRN FLUOR

LS - CRM /TAN, F XLN, M XLN IN PT, MOD DNS /DNS, FOSS IN PT

LS - BRN /TAN, M XLN, DNS /MOD DNS, FOSS, W/SH - BLK, CARB

LS - CRM /WHT, VF XLN, SUBCHKY /MOD DNS, P INTERXLN POR IN PT, VSSFO, V LT OIL, NO ODOR, MOD YEL-GRN FLUOR IN SHO ROCKS, SUBCHKY IN PT IN SHO ROCKS

LS - CRM /TAN, F /M XLN, DNS /MOD DNS

LS - CRM /TAN /GY, F XLN, MOD DNS, FOSS IN PT, W/SH - BLK, CARB, W/SH - GRN

LS - CRM /TAN, VF /F XLN, SUBCHKY /MOD DNS, W/SH - GRN /GY

LS - CRM, VF XLN, SUBCHKY, W/SH - GRN /LT GY

SH - BLK, CARB, W/SH - LT GRN

SH - GRN /MAR /GY

SH - GRN /MAR /PURP, W/LS - CRM /TAN, VF /F XLN, MOD DNS /SUBCHKY

LS - CRM /TAN, VF /F LXN, MOD DNS /SUBCHKY

SH - MAR /GRN /GY, W/LS - CRM /TAN, F /M XLN, DNS /MOD DNS

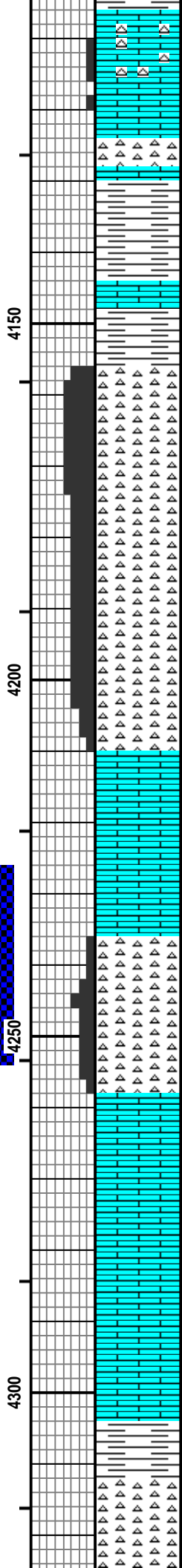
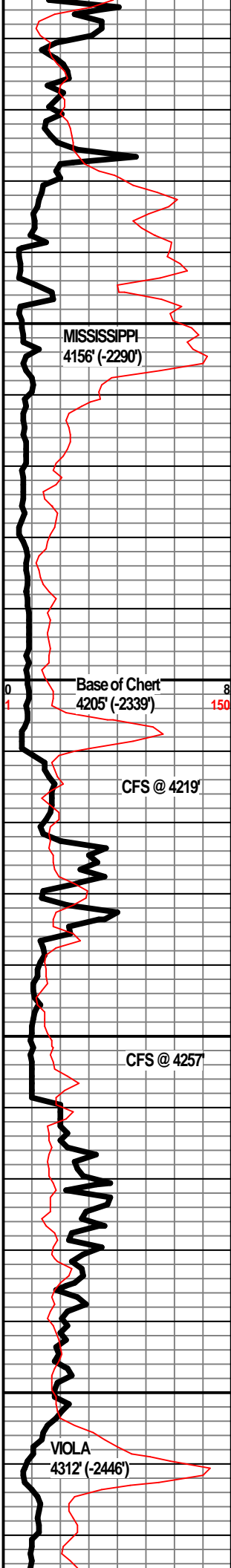
WT 9.1
VIS 52
LCM 3#

WT 9.4
VIS 51
LCM 3#

WT 9.4
VIS 51
LCM 3#

TG, C1-C5

400



DNS/MOD DNS

LS - CRM/TAN, F XLN, CHTY, VP INTERXLN POR IN PT, VSSFO, SLI ODOR, EDGE STN ON SCAT GY CHT, PRED FRSH, DULL GRN FLUOR IN SHO ROCKS

LS - CRM/TAN, VF XLN, SUBCHKY/MOD DNS, W/ SH - MAR/GRN/GY, W/SCAT CHT - GY, VP, SLI TRANSLUCNT IN PT, P WEATH POR

SH - PRED GRN/MAR IN PT, W/LS - CRM/TAN, F XLN, MOD DNS/DNS

LS - TAN, M XLN, DNS, W/SH - LT GRN

CHT - WHT/TAN/GY, SLI TRANSLUCNT IN PT, F/G WEATH POR, GSFO, F SHO OF GAS BUB, G CUP ODOR, BRI YEL-GRN FLUOR, SCAT PIECES OF FRSH CHT

CHT - WHT/TAN/GY IN PT, SLI TRANSLUCNT IN PT, F WEATH POR, VUG POR IN PT, FSFO, SHO OF GAS BUB, F CUP ODOR, BRI YEL-GRN FLUOR, INCREASED AMOUNT OF FRSH CHT

LS - TAN/CRM, F/VF XLN, MOD DNS/SUBCHKY IN PT, NS

LS - TAN/CRM, F XLN, MOD DNS/DNS

CHT - LT GY, TRANSLUCNT IN PT, PRED FRSH, P WEATH POR IN PT, F VUG POR IN PT, LIVE OIL EDGE STN IN PT, F SHO OF FLAKY OIL, DULL/FYEL-GRN FLUOR, LMY IN PT

LS - PRED LT GY, TAN IN PT, VF/F XLN, MOD DNS/SUBCHKY IN PT

LS - LT GY/TAN/CRM, F/VF XLN, MOD DNS

LS - LT GY/TAN, F XLN, MOD DNS/DNS

SH - LT GY/MAR/GY, W/CHT - GRN/WHT/GY, OPAQ, FRSH, SLI ARG IN PT

CHT - WHT/GRN, SLI ARG, V BRITTLE

WT 9.4
VIS 49
LCM 5#

DST #1 Lower Miss Chert
4230' - 4257'
30" - 60" - 45" - 90"

IF: BOB in 12 min, built to 31.69"
IS: No blow back
FF: BOB immed., built to 135.06"
FS: No blow back

Rec'd: 1800' GIP, 30 GWCM (10%G, 4%W, 86%M)

SIP: 763-1123#
FP: 32-38#, 25-46#
HP: 2166-2161#

WT 9.4
VIS 48
LCM 4#

SIMPSON SH
4339' (-2473')

CHT - CRM, SLI TRANSLUCNT, FRSH

SH - GRN / WAXY, SNDY IN FEW PIECES, W/ FEW
PIECES OF DOLO - GY / GRN, SLI ARG, P / F
INTERXLN POR, SAT WITH FLAKY OIL

4350

SH - TURQ / MAR / RDISH-BRN, SNDY IN PT, PYRITIC
IN PT

WT 9.4
VIS 45
LCM 4#

SS - CLR, F / M GR, SUB-RND, MOD CEM, FRI IN PT, F / G INTERGR
POR, GSFO, SLI SHO OF GAS, F CUP ODOR, V BRI YEL-GRN
FLUOR IN SHO ROCKS

SIMPSON SS
4368 (-2502)

CFS @ 4380'

SS - TAN, F GR, SUB-RND, P / MOD CRM, FRI IN PT, F / G INTERGR
POR, VGSFO, VG SHO OF GAS, V BRI YEL-GRN FLUOR IN SHO
ROCKS

WT 9.3
VIS 57
LCM 3#

SS - PRED TAN, F XLN, SUB-RND, P / MOD CEM, FRI IN PT, F / G
INTERGR POR, FSFO, BRI YEL-GRN FLOUR, W SCAT SS - WHT /
CLR, F GR, SUB-RND, NS

SS - WHT / CLR, VF / F GR, MOD / WELL CEM, DNS,
CHTY IN PT, NS

SS - WHT / GY / TAN, VF / F GR, MOD CRM, P / F
INTERGR POR, NS

4400

SH - GY / GRN, SND IN PT

SH - GY / GRN, PYRITIC IN PT

SH - GRN / GY, PYRITIC IN PT

DOLO - CRM, F XLN / M XLN, MOD DNS / DNS, NS

4450

RTD 4470'

ENTIRE LOG SLID
UP 4' TO MATCH
LOGS

ENTIRE LOG SLID
UP 4' TO MATCH
LOGS

TG, C1-C5

400

0
1
150
Gamma Ray



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Deutsch Oil Company
 8100 E 22nd St N Bldg 600
 Wichita, KS 67226
 ATTN: Aaron Young

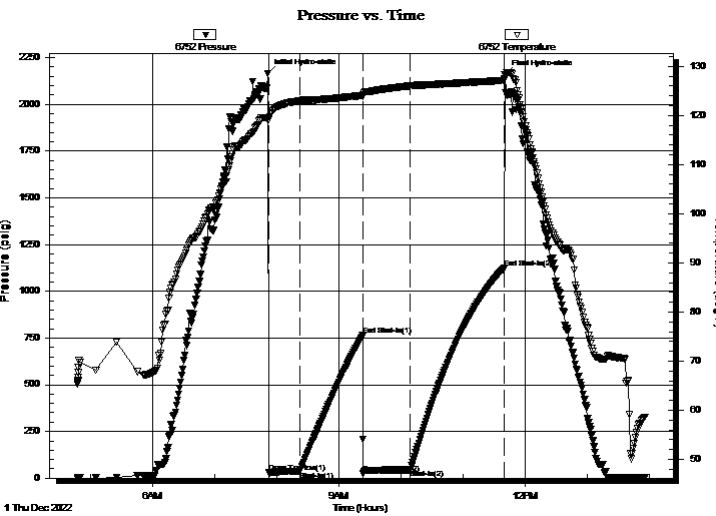
17-27S-12W Pratt
Hoeme Trust 5-17
 Job Ticket: 69276 **DST#: 1**
 Test Start: 2022.12.01 @ 04:48:00

GENERAL INFORMATION:

Formation: **Mississippi**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 07:52:17
 Time Test Ended: 13:56:02
 Interval: **4230.00 ft (KB) To 4257.00 ft (KB) (TVD)**
 Total Depth: 4257.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Leal Cason
 Unit No: 72
 Reference Elevations: 1866.00 ft (KB)
 1858.00 ft (CF)
 KB to GR/CF: 8.00 ft

Serial #: 6752 Inside
 Press@RunDepth: 46.53 psig @ 4236.00 ft (KB) Capacity: psig
 Start Date: 2022.12.01 End Date: 2022.12.01 Last Calib.: 2022.12.01
 Start Time: 04:48:01 End Time: 13:56:02 Time On Btm: 2022.12.01 @ 07:51:17
 Time Off Btm: 2022.12.01 @ 11:40:17

TEST COMMENT: IF: Strong Blow , BOB in 12 minutes, Built to 31.69"
 IS: No Blow Back
 FF: Strong Blow , BOB Immediate, Built to 135.06"
 FS: No Blow Back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2165.80	119.47	Initial Hydro-static
1	32.27	119.12	Open To Flow (1)
32	37.93	123.02	Shut-In(1)
92	763.24	124.08	End Shut-In(1)
93	25.49	124.30	Open To Flow (2)
138	46.53	126.04	Shut-In(2)
229	1123.23	127.17	End Shut-In(2)
229	2160.83	127.45	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	1800 GIP	0.00
30.00	GWCM 10%G 4%W 86%M	0.15

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Deutsch Oil Company

17-27S-12W Pratt

8100 E 22nd St N Bldg 600
Wichita, KS 67226

Hoeme Trust 5-17

Job Ticket: 69276

DST#: 1

ATTN: Aaron Young

Test Start: 2022.12.01 @ 04:48:00

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: 51.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.79 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4000.00 ppm

Filter Cake: 0.02 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
0.00	1800 GIP	0.000
30.00	GWCM 10%G 4%W 86%M	0.148

Total Length: 30.00 ft Total Volume: 0.148 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

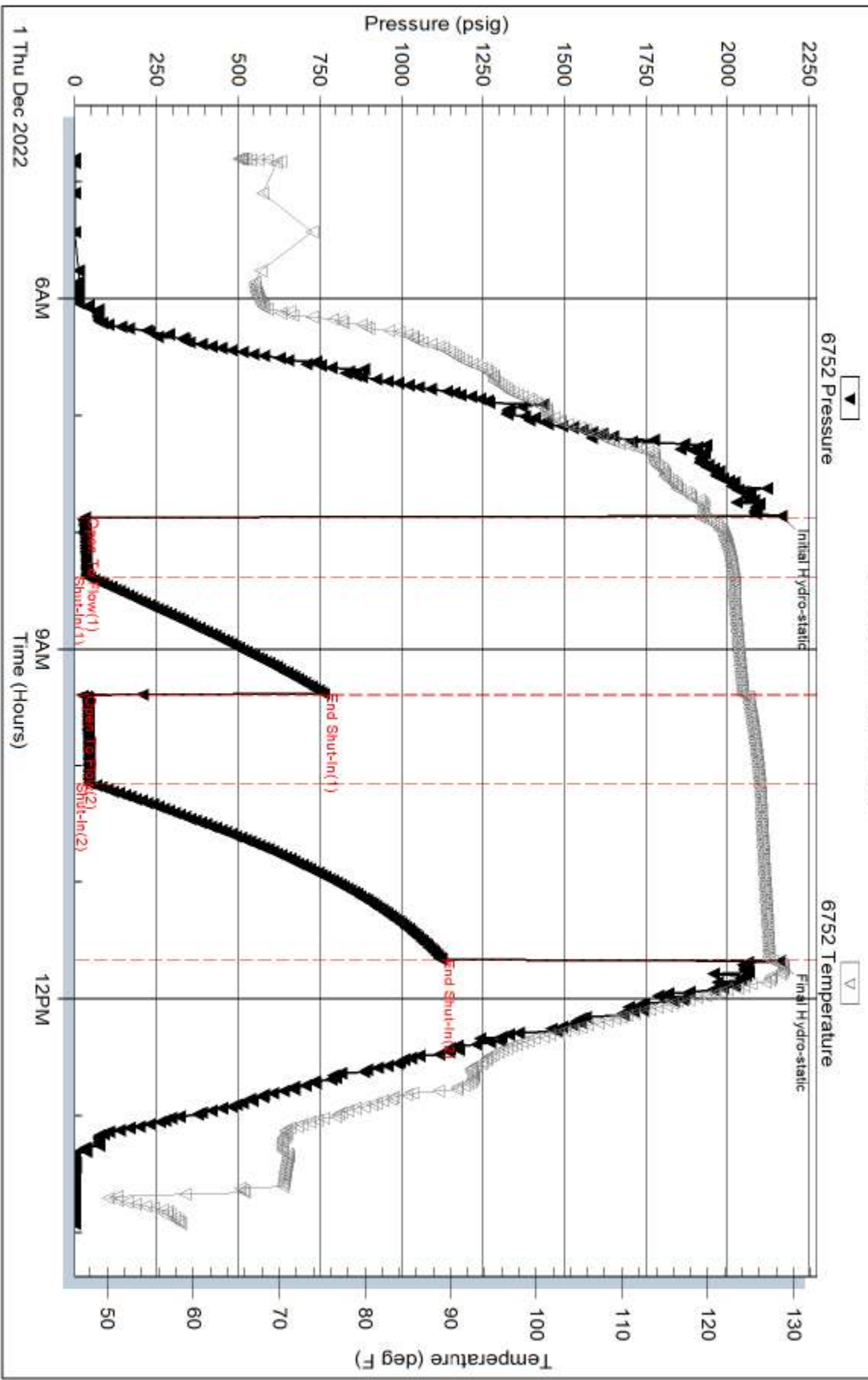
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time

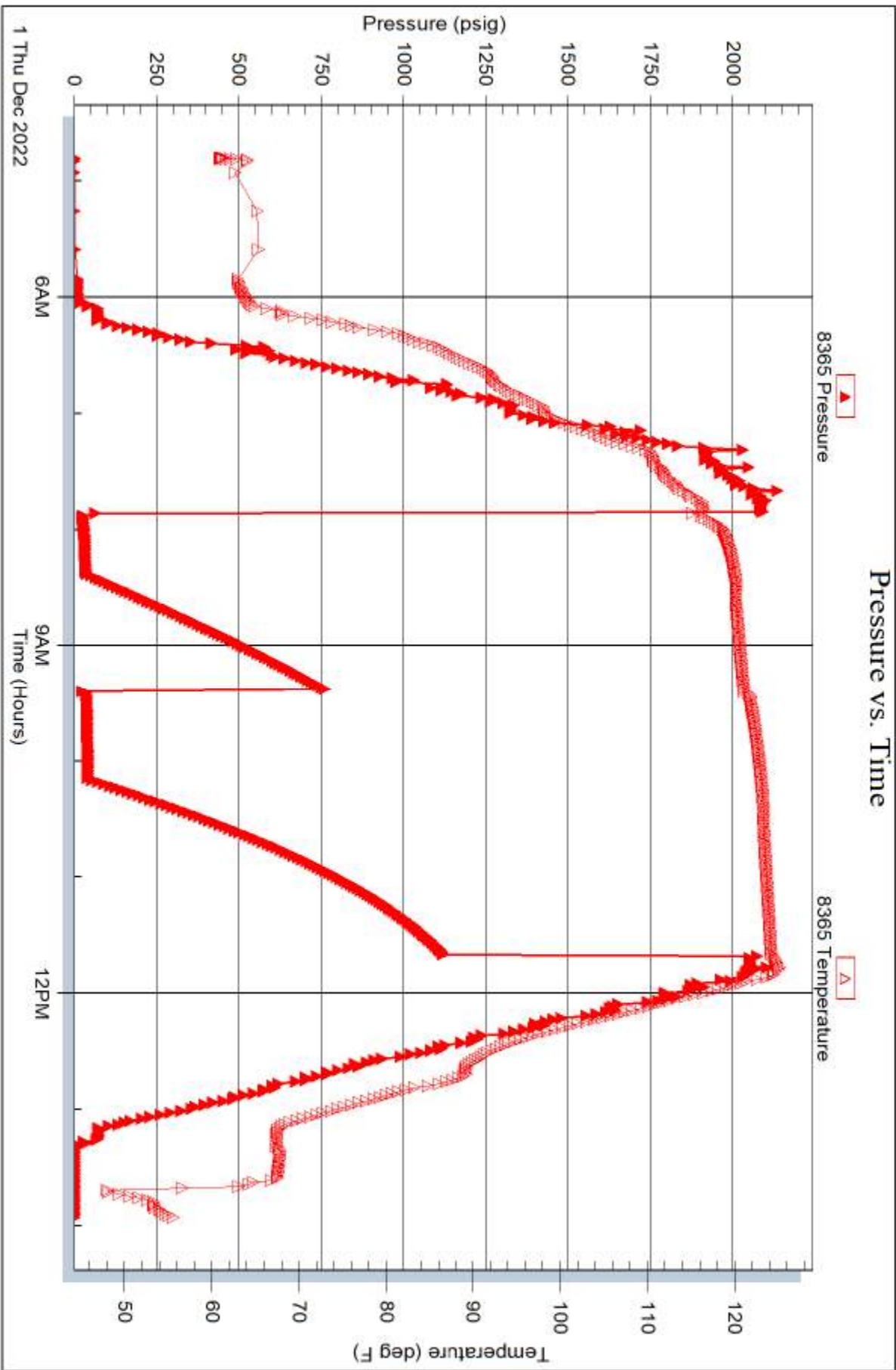


Serial #: 8365

Outside Deutsch Oil Company

Hoern Trust 5-17

DST Test Number: 1





CEMENT TREATMENT REPORT

Customer: Deutsch Oil Company	Well: Hoeme Trust #5-17	Ticket: WP3666
City, State:	County: Pratt, Kansas	Date: 11/26/2023
Field Rep: John Rousch - Fossil Drilling	S-T-R: 17-27s-12w	Service: Surface

Downhole Information	
Hole Size:	14 3/4 in
Hole Depth:	242 ft
Casing Size:	10 3/4 in
Casing Depth:	240 ft
Tubing / Liner:	in
Depth:	ft
Tool / Packer:	
Tool Depth:	ft
Displacement:	22.3 bbls

Calculated Slurry - Lead	
Blend:	
Weight:	ppg
Water / Sx:	gal / sx
Yield:	ft ³ / sx
Annular Bbls / Ft.:	bbs / ft.
Depth:	ft
Annular Volume:	0.0 bbls
Excess:	
Total Slurry:	0.0 bbls
Total Sacks:	0 sx

Calculated Slurry - Tail	
Blend:	60:40:2 + 3% CC
Weight:	14.8 ppg
Water / Sx:	5.2 gal / sx
Yield:	1.21 ft ³ / sx
Annular Bbls / Ft.:	bbs / ft.
Depth:	ft
Annular Volume:	0 bbls
Excess:	
Total Slurry:	47.4 bbls
Total Sacks:	220 sx

TIME	RATE	PSI	STAGE BBLs	TOTAL BBLs	REMARKS
5:30 PM			-	-	On location - Spot equipment - Job & Safety
				-	
				-	Casing on botton and circulate casing
				-	Rig up to cement pump
8:30 PM	4.0	300.0		-	Start fresh water
	5.0	200.0	5.0	5.0	Fresh water in - Start cement - mixed at 14.8 ppg
	5.0	100.0	47.4	52.4	Cement in - start displacement
	4.0	150.0	11.0	63.4	Cement circulates
9:00 PM	3.0	200.0		63.4	Cement in place - stop pump - shut in casing
				63.4	Circulated 6 bbl of cement to pit
				63.4	
					Thank you,
					Austin, Mike, and Kevin

CREW			UNIT			SUMMARY		
Cementer:	K. Brungardt		913			Average Rate	Average Pressure	Total Fluid
Pump Operator:	A. Clifton		179-521			4.2 bpm	190 psi	63 bbls
Bulk #1:	M. Mattai		182-534					
Bulk #2:								

