

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
------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	---------------------------------------------------------------------------------------------------------------------

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	Lebsack Oil Production Inc.
Well Name	Caywood 2-33
Doc ID	1273970

Tops

Name	Top	Datum
Heebner	2824	-1095
Douglas	2850	-1121
Brown Lime	2959	-1230
Lansing	2978	-1249
BLKC	3242	-1513
Viola	3250	-1521
Simpson	3267	-1538
RTD	3220	-1591



Joshua R. Austin

Petroleum Geologist

report for



Lebsack Oil Production, Inc.

COMPANY: LEBSACK OIL PRODUCTION INC.

LEASE: CAYWOOD #2-33

FIELD: GROVE

SURFACE LOCATION: Ne-Ne (660' FNL & 660' FEL)

SEC: 33 TWSP: 20s RGE: 10w

COUNTY: RICE STATE: KANSAS

KB: 1729' GL: 1718'

API # 15-159-22827-00-00

CONTRACTOR: STERLING DRILLING COMPANY (Rig #4)

Spud: 12/08/2015

Comp: 12/13/2015

RTD: 3320'

LTD: 3319'

Mud Up: 2671'

Type Mud: Chemical was displaced

Samples Saved From: 2700-RTD

Geological Supervision From: 2810'-RTD

Geologist on Well: Josh Austin

Surface Casing: 8 5/8" @ 265'

Production Casing: 5 1/2" @ 3298'

NOTES

On the basis of the positive structural position and after reviewing the electric logs it was recommended by all parties to run 5 1/2" production casing to further test the Lansing zone.

Lebsack Oil Production Inc. well comparison sheet

DRILLING WELL

COMPARISON WELL

COMPARISON WELL

1729 KB					1730 KB				Structural Relationship		1724 KB		Structural Relationship	
Formation	Sample	Sub-Sea	Log	Sub-Sea	Log	Sub-Sea	Sample	Log	Log	Sub-Sea	Sample	Log		
Heebner	2829	-1100	2824	-1095	2834	-1104	4	9	2820	-1096	-4	1		
Douglas	2854	-1125	2850	-1121	2861	-1131	6	10	2845	-1121	-4	0		
Brown Lime	2963	-1234	2959	-1230	2970	-1240	6	10	2955	-1231	-3	1		
Lansing	2979	-1250	2978	-1249	2986	-1256	6	7	2976	-1252	2	3		
"F" Zone	3060	-1331	3056	-1327	3070	-1340	9	13	3051	-1327	-4	0		
BKC	3248	-1519	3242	-1513	3251	-1521	2	8	3242	-1518	-1	5		
Viola	3258	-1529	3250	-1521	3266	-1536	7	15	3250	-1526	-3	5		
Simpson	3276	-1547	3267	-1538	3289	-1559	12	21	3272	-1548	1	10		
Arbuckle	N/A	N/A	N/A	N/A	3349	-1619			3340	-1616				
Total Depth	3320	-1591	3319	-1590	3377	-1647			3363	-1639				



TRIOBITE TESTING, INC.

DRILL STEM TEST REPORT

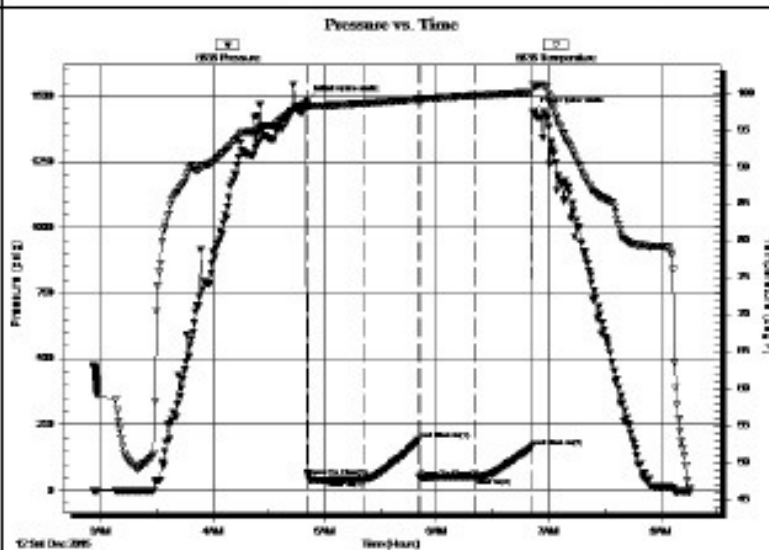
Lebsack Oil Production Inc 33/20S/10W/Rice
 PO Box 354 Caywood 2-33
 Chase Kansas Job Ticket: 61988
 67524 DST#: 1
 ATTN: Josh Austin Test Start: 2015.12.12 @ 02:56:00

GENERAL INFORMATION:

Formation: **Lansing/Kansas City**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 04:51:01
 Time Test Ended: 08:15:31
 Interval: **3055.00 ft (KB) To 3085.00 ft (KB) (TVD)**
 Total Depth: **3085.00 ft (KB) (TVD)**
 Hole Diameter: **7.80 inches** -Hole Condition: Fair
 Test Type: **Conventional Bottom Hole (Initial)**
 Tester: **Ken Swinney**
 Unit No: **58 Great Bend/50**
 Reference Elevations: **1729.00 ft (KB)**
1718.00 ft (CF)
KB to GR/CF: **11.00 ft**

Serial #: **6838** **Inside**
 Press@RunDepth: **50.80 psig @ 3081.00 ft (KB)** Capacity: **8000.00 psig**
 Start Date: **2015.12.12** End Date: **2015.12.12** Last Calib.: **2015.12.12**
 Start Time: **02:56:01** End Time: **08:15:31** Time On Btm: **2015.12.12 @ 04:50:16**
 Time Off Btm: **2015.12.12 @ 06:51:31**

TEST COMMENT: 30 minute Initial Flow 2 minutes 30 seconds to bottom of bucket
 30 minutes Initial shut in surface blow back
 30 minute Final Flow 7 minutes to bottom of bucket
 30 minute Final Shut in blow back built to 1/8th inch



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1485.17	98.49	Initial Hydro-static
1	52.06	98.14	Open To Flow (1)
31	40.63	98.53	Shut-In(1)
60	190.48	99.16	End Shut-In(1)
61	46.49	99.13	Open To Flow (2)
91	50.80	99.60	Shut-In(2)
121	165.27	100.12	End Shut-In(2)
122	1439.37	101.02	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	504 feet of gas in pipe	0.00
63.00	Mud & Water cut Oily(Emulsified) Gas	0.31
0.00	Mud 15% Water 15% Oil 20% Gas 50%	0.00

Gas Rates

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Lebsack Oil Production Inc

33/20S/10W/Rice

PO Box 354
Chase Kansas
67524

Caywood 2-33

Job Ticket: 61967

DST#: 2

ATTN: Josh Austin

Test Start: 2015.12.13 @ 00:14:00

GENERAL INFORMATION:

Formation: **Simpson Sand**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 02:14:31

Time Test Ended: 05:59:01

Test Type: Conventional Bottom Hole (Initial)

Tester: Ken Swinney

Unit No: 58 Great Bend/50

Interval: 3280.00 ft (KB) To 3320.00 ft (KB) (TVD)

Total Depth: 3320.00 ft (KB) (TVD)

Hole Diameter: 7.80 inches Hole Condition: Fair

Reference Elevations: 1729.00 ft (KB)

1718.00 ft (CF)

KB to GR/CF: 11.00 ft

Serial #: 6838

Inside

Press@RunDepth: 1061.75 psig @ 3316.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2015.12.13

End Date: 2015.12.13

Last Calib.: 2015.12.13

Start Time: 00:14:01

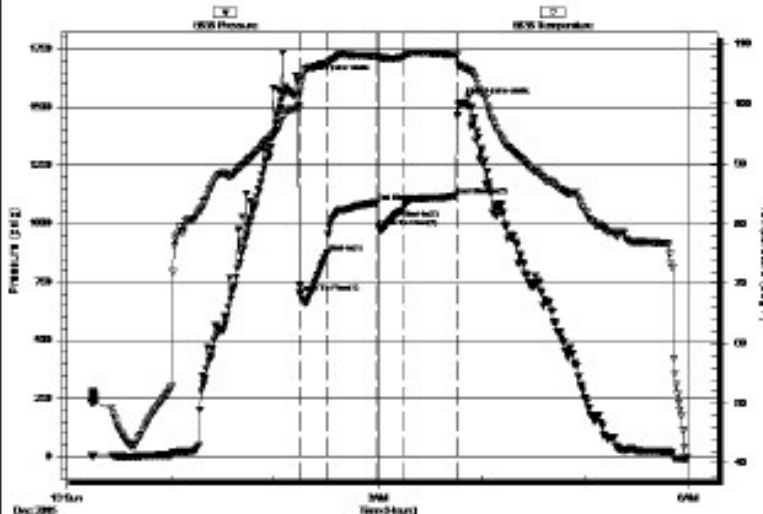
End Time: 05:59:01

Time On Btm: 2015.12.13 @ 02:14:16

Time Off Btm: 2015.12.13 @ 03:47:16

TEST COMMENT: 15 Minute Initial Flow 25 seconds to bottom of bucket
30 Minute Initial Shut In no blow back
15 Minute Final Flow 25 seconds to bottom of bucket
30 Minutes Final Shut In surface blow back

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1617.64	99.71	Initial Hydro-static
1	702.53	99.14	Open To Flow (1)
17	874.22	106.72	Shut-In(1)
46	1091.41	108.00	End Shut-In(1)
47	983.77	107.76	Open To Flow (2)
61	1061.75	107.83	Shut-In(2)
92	1121.92	108.27	End Shut-In(2)
93	1518.21	106.42	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)

Gas Rates

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

2424.00	Slightly gas cut Muddy Water	3098.08
0.00	Mud 10% Water 90%	0.00

ROCK TYPES

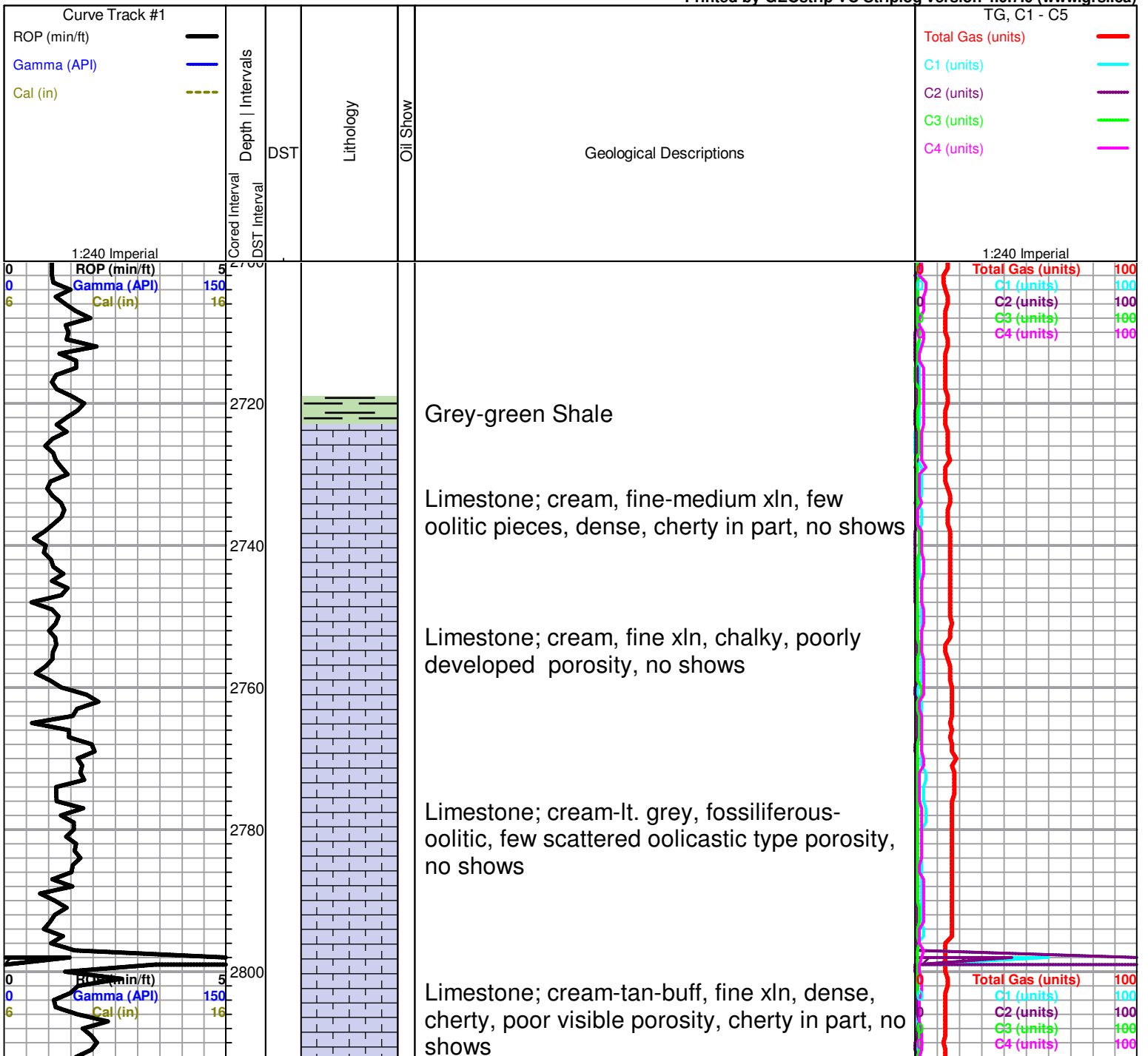
Cht	shale, grn	Carbon Sh	Slst
Lmst fw7>	shale, gry	Ss	

OTHER SYMBOLS

DST

	DST Int
	DST alt
	Core
	tail pipe

Printed by GEOstrip VC Striplog version 4.0.7.0 (www.grsi.ca)



3040
3060
3080
3100
3120
3140
3160
3180
3200
3220
3240

Limestone; grey-cream, fine-medium xln, highly oolitic in part, chalky, few scattered porosity, no shows

Limestone; cream-tan, good oomoldic porosity, brown stain, SFO, good-strong odor, plus gas bubbles, 320 unit gas kick

Limestone; as above

Limestone; cream-tan, oomoldic porosity, questionable brown stain, trace free oil, fair odor

Limestone; cream-grey, fine xln, chalky, dense, poor visible porosity, no shows

Limestone; cream, highly oolitic, few scattered oolitic type porosity, brown stain, trace free oil, faint odor

grey-green shale

Limestone; cream, fine-medium xln, chalky in part, few cherty pieces, no shows

Black carboniferous shale

Limestone; cream-grey-white, highly oolitic, dense, poor porosity, no shows

Limestone; as above

Limestone; cream-grey, fine xln, fossiliferous/oolitic, poor porosity, plus white chalk, no shows

black-grey shale

Limestone; cream-white, fine xln, chalky, inter xln type porosity, black stain, NSFO, no odor

Limestone; cream-tan, grey, fine xln, slightly fossiliferous, poor visible porosity, no shows

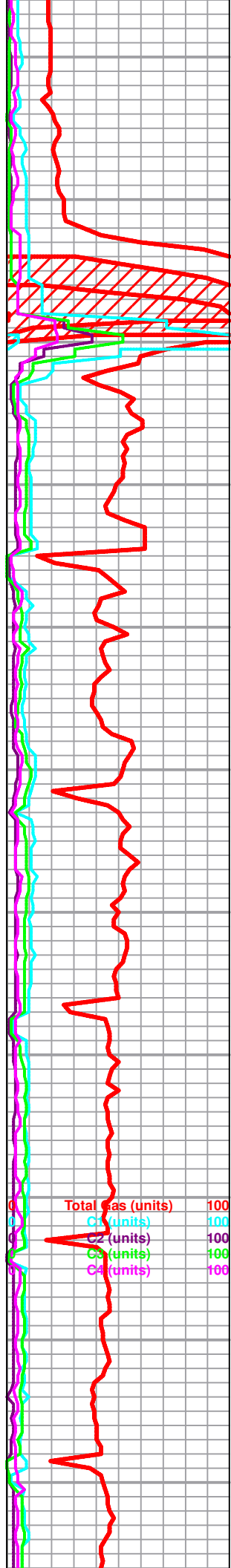
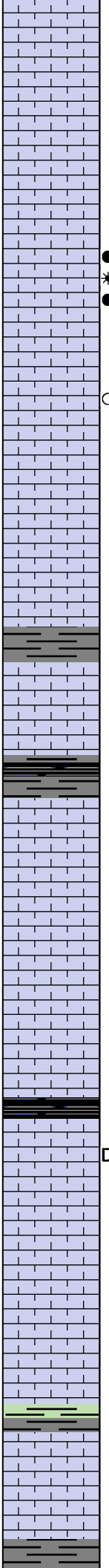
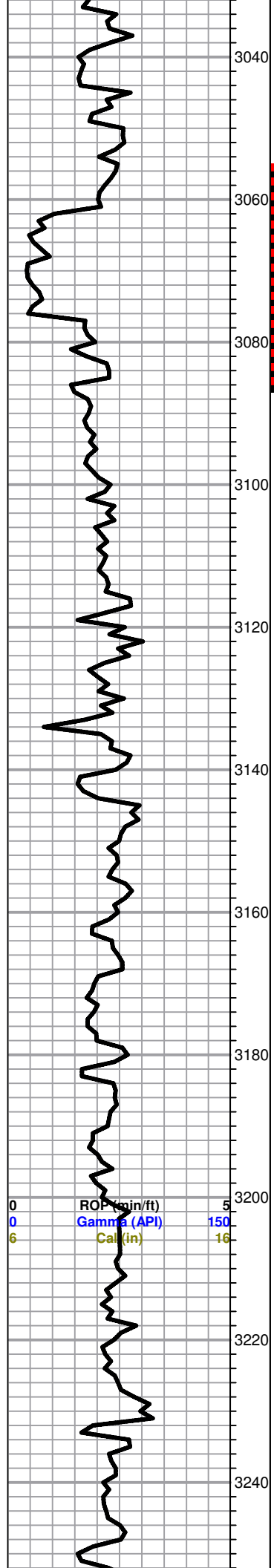
Limestone as above plus lt grey Chert

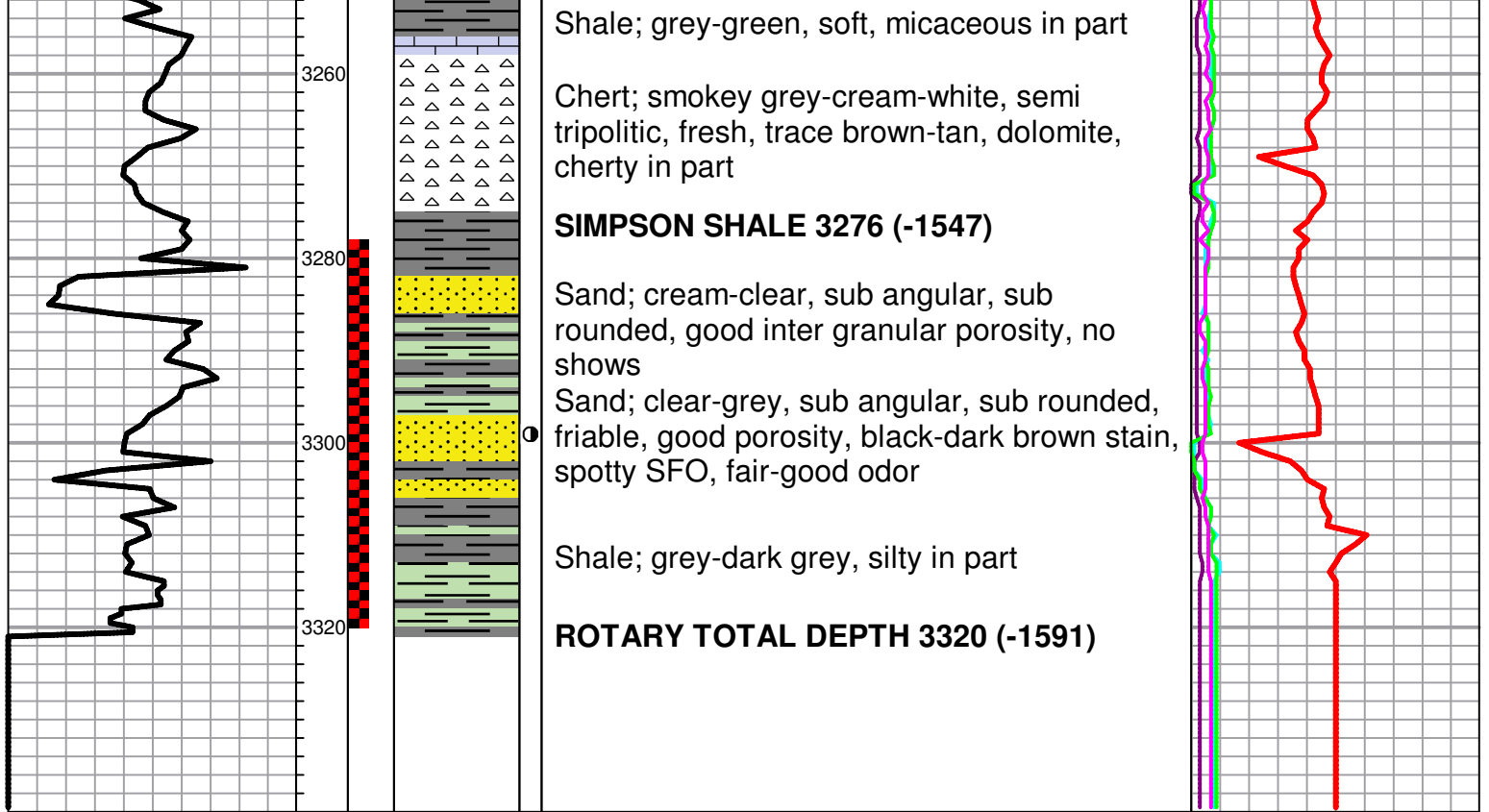
grey-green shale

Limestone; grey-cream, fine xln, dense, few cherty pieces, no shows

BASE KANSAS CITY 3248 (-1519)

0 ROP (in/ft) 5
0 Gamma (API) 150
6 Cal (in) 16





Shale; grey-green, soft, micaceous in part

Chert; smokey grey-cream-white, semi tripolitic, fresh, trace brown-tan, dolomite, cherty in part

SIMPSON SHALE 3276 (-1547)

Sand; cream-clear, sub angular, sub rounded, good inter granular porosity, no shows

Sand; clear-grey, sub angular, sub rounded, friable, good porosity, black-dark brown stain, spotty SFO, fair-good odor

Shale; grey-dark grey, silty in part

ROTARY TOTAL DEPTH 3320 (-1591)

ALLIED OIL & GAS SERVICES, LLC 055717

Federal Tax I.D.# 20-5975804

REMIT TO P.O. BOX 31
RUSSELL, KANSAS 67665

SERVICE POINT:
Great Bend KS

DATE <u>12-15-15</u>	SEC <u>33</u>	TWP <u>20</u>	RANGE <u>10</u>	CALLED OUT	ON LOCATION	JOB START <u>4:30 AM</u>	JOB FINISH <u>5:30 AM</u>
LEASE <u>Carwood</u>		WELL# <u>2-33</u>	LOCATION <u>Raymond KS 1/2 West</u>		COUNTY <u>Rice</u>	STATE <u>KS</u>	
OLD OR <u>NEW</u> (Circle one)			S&W: <u>ATO</u>				

CONTRACTOR Stearling 4
 TYPE OF JOB log string
 HOLE SIZE 7 7/8 T.D. 3220
 CASING SIZE 5 1/2 14# DEPTH 3298.57
 TUBING SIZE _____ DEPTH _____
 DRILL PIPE _____ DEPTH _____
 TOOL _____ DEPTH _____
 PRES. MAX _____ MINIMUM _____
 MEAS. LINE _____ SHOULDER JOINT 11.43
 CEMENT LEFT IN CSG. _____
 PERFS. _____
 DISPLACEMENT 80

OWNER _____
 CEMENT AMOUNT ORDERED 150 ASC 5" 6 1/2" x 6
FI-160
50 60/90 40 gal 1/4" 2 1/2"

EQUIPMENT
 PUMP TRUCK CEMENTER Robert V
 # 366 HELPER Brian b
 BULK TRUCK
 # 610-170 DRIVER Marland
 BULK TRUCK # _____ DRIVER _____

COMMON	@	_____	_____
FOZ MIX	@	_____	_____
OEL	@	_____	_____
CHLORIDE	@	_____	_____
ASC	@	<u>150</u>	<u>23.50 3525.00</u>
<u>60/90 40 gal 50</u>	@	<u>18.92</u>	<u>946.00</u>
<u>Gilmanite 750</u>	@	<u>0.98</u>	<u>735.00</u>
<u>FI-160 43"</u>	@	<u>18.90</u>	<u>812.70</u>
<u>D. Casner 19</u>	@	<u>9.80</u>	<u>186.20</u>
<u>DV 1100 500</u>	@	<u>1.27</u>	<u>635.00</u>
<u>Elc 13"</u>	@	<u>2.97</u>	<u>38.61</u>
_____	@	_____	_____
_____	@	_____	_____
HANDLING %	@	_____	_____
MILEAGE	@	_____	_____

REMARKS:

35% = 2407.48 TOTAL 36878.51

handline <u>246.39</u>	SERVICE	<u>248</u>	<u>611.05</u>
DEPTH OF JOB		<u>3298</u>	
PUMP TRUCK CHARGE		<u>2258.75</u>	
EXTRA FOOTAGE	@	_____	_____
MILEAGE <u>20 LVMZ</u>	@	<u>4.40</u>	<u>88.00</u>
MANIFOLD	@	<u>275.00</u>	<u>275.00</u>
<u>20 HVMZ</u>	@	<u>7.70</u>	<u>154.00</u>
MILEAGE <u>213</u>	@	<u>2.55</u>	<u>535.75</u>

Thank you!!

CHARGE TO: Lebsack Oil Production
 STREET _____
 CITY _____ STATE _____ ZIP _____

35% = 1390.39 TOTAL 3972.55

PLUG & FLOAT EQUIPMENT

<u>WF 5 1/2 Guide shoe</u>	@	<u>281.00</u>	<u>281.00</u>
<u>WF 5 1/2 AFD Insert</u>	@	<u>355.00</u>	<u>355.00</u>
<u>WF Centralizer 6</u>	@	<u>52.00</u>	<u>312.00</u>
<u>DR Top Rubber plug</u>	@	<u>85.00</u>	<u>85.00</u>

35% = 365.05 TOTAL 1043.00

To: Allied Oil & Gas Services, LLC.
 You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

SALES TAX (if Any) _____
 TOTAL CHARGES 11894.06
 DISCOUNT 4162.92 IF PAID IN 30 DAYS

PRINTED NAME Larry S. Solaps

SIGNATURE Larry S. Solaps

Net 7731.14

ALLIED OIL & GAS SERVICES, LLC

Federal Tax I.D. #20-5975804

14 910

067710

REMIT TO: P.O. BOX 93999
SOUTHLAKE, TEXAS 76092

SERVICE POINT: *Green Bay, TX*

DATE: <i>1/14/15</i>	SEC: <i>33</i>	TWP: <i>20</i>	RANGE: <i>10</i>	CALLED OUT	ON LOCATION	JOB START: <i>3:00pm</i>	JOB FINISH: <i>5:30pm</i>
LEASE: <i>Cawood</i>	WELL #: <i>2-33</i>	LOCATION: <i>Hammond S Edge - 12 street - 1/2 W Sec W 20</i>				COUNTY: <i>Price</i>	STATE: <i>TX</i>
OLD OR NEW (Circle one)							

CONTRACTOR: *Steering 4* OWNER: *S*

TYPE OF JOB: _____ CEMENT: _____

HOLE SIZE: *12 1/4* T.D.: *220* AMOUNT ORDERED: *300 lbs 300cc 2 1/2 gal 74 PPD*

CASING SIZE: *8 1/2* DEPTH: *265*

TUBING SIZE: _____ DEPTH: _____

DRILL PIPE: _____ DEPTH: _____

TOOL: _____ DEPTH: _____

PRES. MAX: _____ MINIMUM: _____

MEAS. LINE: _____ SHOE JOINT: _____

CEMENT LEFT IN CSG.: *15'*

PERFS.: _____

DISPLACEMENT: *15.92*

EQUIPMENT: _____

PUMP TRUCK # *400* CEMENTER: *Alan*

BULK TRUCK # *871/112* DRIVER: *Marlyn*

BULK TRUCK # _____ DRIVER: _____

BULK TRUCK # _____ DRIVER: _____

BULK TRUCK # _____ DRIVER: _____

BULK TRUCK # _____ DRIVER: _____

BULK TRUCK # _____ DRIVER: _____

BULK TRUCK # _____ DRIVER: _____

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BULK TRUCK # _____ DRIVER: _____

BULK TRUCK # _____ DRIVER: _____

BULK TRUCK # _____ DRIVER: _____

BULK TRUCK # _____ DRIVER: _____

BULK TRUCK # _____ DRIVER: _____

REMARKS:

Run Casing Circularity with Cement Displacement Short on Cement Displacement

Cement Displacement

Alan

Marlyn

Lebsack

STREET _____

CITY _____ STATE _____ ZIP _____

CHARGE TO: *Lebsack*

PRINTED NAME _____

SIGNATURE _____

SERVICE

HANDLING: *329.40* @ *2.00* = *658.80*

MILEAGE: *14.843* @ *1.00* = *14.843*

DEPTH OF JOB: *265*

PUMP TRUCK CHARGE: *1512.25*

EXTRA FOOTAGE: _____ @ _____ = _____

HV MILEAGE: *20* @ *7.20* = *144.00*

LV MILEAGE: *20* @ *4.00* = *80.00*

_____ @ _____ = _____

_____ @ _____ = _____

_____ @ _____ = _____

_____ @ _____ = _____

_____ @ _____ = _____

_____ @ _____ = _____

_____ @ _____ = _____

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TOTAL: *6,910.30*

DISCOUNT 35%: *2,418.41*

4,491.89

TOTAL: *3,387.23*

DISCOUNT 35%: *1,185.43*

2,201.80

PLUG & FLOAT EQUIPMENT

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_____ @ _____ = _____

SALES TAX (If Any): _____

TOTAL CHARGES: *10,297.83*

DISCOUNT: *3,604.24* IF PAID IN 30 DAYS

NET TOTAL: *6,693.59* IF PAID IN 30 DAYS



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Lebsack Oil Production Inc

33/20S/10W/Rice

PO Box 354
Chase Kansas
67524

Caywood 2-33

Job Ticket: 61966

DST#: 1

ATTN: Josh Austin

Test Start: 2015.12.12 @ 02:56:00

GENERAL INFORMATION:

Formation: **Lansing/Kansas City**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 04:51:01

Time Test Ended: 08:15:31

Test Type: Conventional Bottom Hole (Initial)

Tester: Ken Swinney

Unit No: 58 Great Bend/50

Interval: 3055.00 ft (KB) To 3085.00 ft (KB) (TVD)

Reference Elevations: 1729.00 ft (KB)

Total Depth: 3085.00 ft (KB) (TVD)

1718.00 ft (CF)

Hole Diameter: 7.80 inches Hole Condition: Fair

KB to GR/CF: 11.00 ft

Serial #: 6838

Inside

Press @ Run Depth: 50.80 psig @ 3081.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2015.12.12 End Date: 2015.12.12

Last Calib.: 2015.12.12

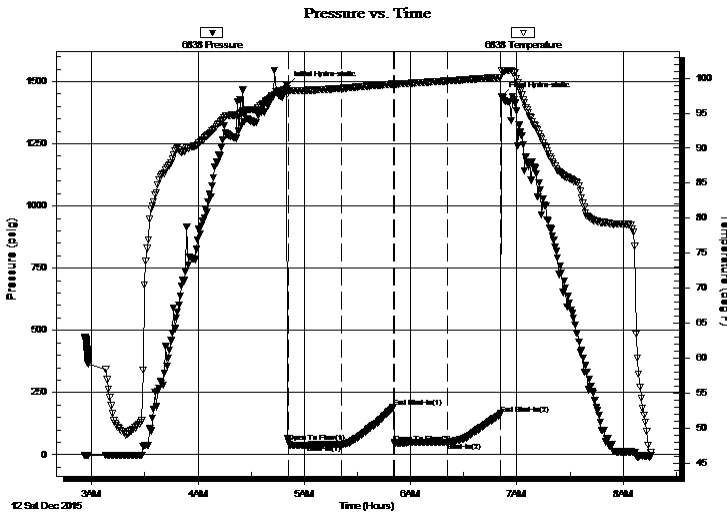
Start Time: 02:56:01 End Time: 08:15:31

Time On Btm: 2015.12.12 @ 04:50:16

Time Off Btm: 2015.12.12 @ 06:51:31

TEST COMMENT: 30 minute Initial Flow 2 minutes 30 seconds to bottom of bucket
30 minutes Initial shut in surface blow back
30 minute Final Flow 7 minutes to bottom of bucket
30 minute Final Shut in blow back built to 1/8th inch

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1485.17	98.49	Initial Hydro-static
1	52.06	98.14	Open To Flow (1)
31	40.63	98.53	Shut-In(1)
60	190.48	99.16	End Shut-In(1)
61	46.49	99.13	Open To Flow (2)
91	50.80	99.60	Shut-In(2)
121	165.27	100.12	End Shut-In(2)
122	1439.37	101.02	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	504 feet of gas in pipe	0.00
63.00	Mud & Water cut Oily (Emulsified) Gas	0.31
0.00	Mud 15% Water 15% Oil 20% Gas 50%	0.00

Gas Rates

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Lebsack Oil Production Inc

33/20S/10W/Rice

PO Box 354
Chase Kansas
67524

Caywood 2-33

Job Ticket: 61966

DST#: 1

ATTN: Josh Austin

Test Start: 2015.12.12 @ 02:56:00

GENERAL INFORMATION:

Formation: **Lansing/Kansas City**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 04:51:01

Time Test Ended: 08:15:31

Test Type: Conventional Bottom Hole (Initial)

Tester: Ken Swinney

Unit No: 58 Great Bend/50

Interval: **3055.00 ft (KB) To 3085.00 ft (KB) (TVD)**

Reference Elevations: 1729.00 ft (KB)

Total Depth: 3085.00 ft (KB) (TVD)

1718.00 ft (CF)

Hole Diameter: 7.80 inches Hole Condition: Fair

KB to GR/CF: 11.00 ft

Serial #: 6663 Outside

Press @ Run Depth: 177.61 psig @ 3082.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2015.12.12 End Date: 2015.12.12

Last Calib.: 2015.12.12

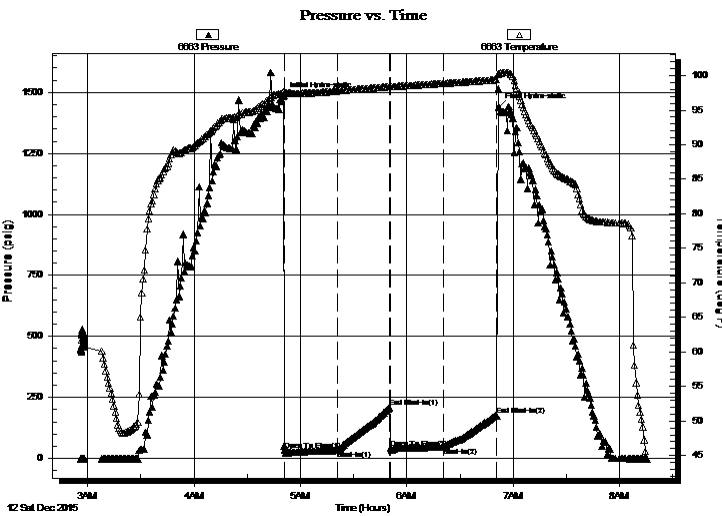
Start Time: 02:56:01 End Time: 08:15:31

Time On Btm: 2015.12.12 @ 04:50:16

Time Off Btm: 2015.12.12 @ 06:51:46

TEST COMMENT: 30 minute Initial Flow 2 minutes 30 seconds to bottom of bucket
30 minutes Initial shut in surface blow back
30 minute Final Flow 7 minutes to bottom of bucket
30 minute Final Shut in blow back built to 1/8th inch

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1482.20	97.66	Initial Hydro-static
1	32.43	97.47	Open To Flow (1)
31	32.64	97.79	Shut-In(1)
60	208.85	98.42	End Shut-In(1)
61	43.00	98.37	Open To Flow (2)
91	46.41	98.86	Shut-In(2)
121	177.61	99.40	End Shut-In(2)
122	1438.77	100.27	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	504 feet of gas in pipe	0.00
63.00	Mud & Water cut Oily (Emulsified) Gas	0.31
0.00	Mud 15% Water 15% Oil 20% Gas 50%	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Lebsack Oil Production Inc

33/20S/10W/Rice

PO Box 354
Chase Kansas
67524

Caywood 2-33

Job Ticket: 61966

DST#: 1

ATTN: Josh Austin

Test Start: 2015.12.12 @ 02:56:00

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: 53.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.79 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4700.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
0.00	504 feet of gas in pipe	0.000
63.00	Mud & Water cut Oily (Emulsified) Gas	0.310
0.00	Mud 15% Water 15% Oil 20% Gas 50%	0.000

Total Length: 63.00 ft Total Volume: 0.310 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 6838

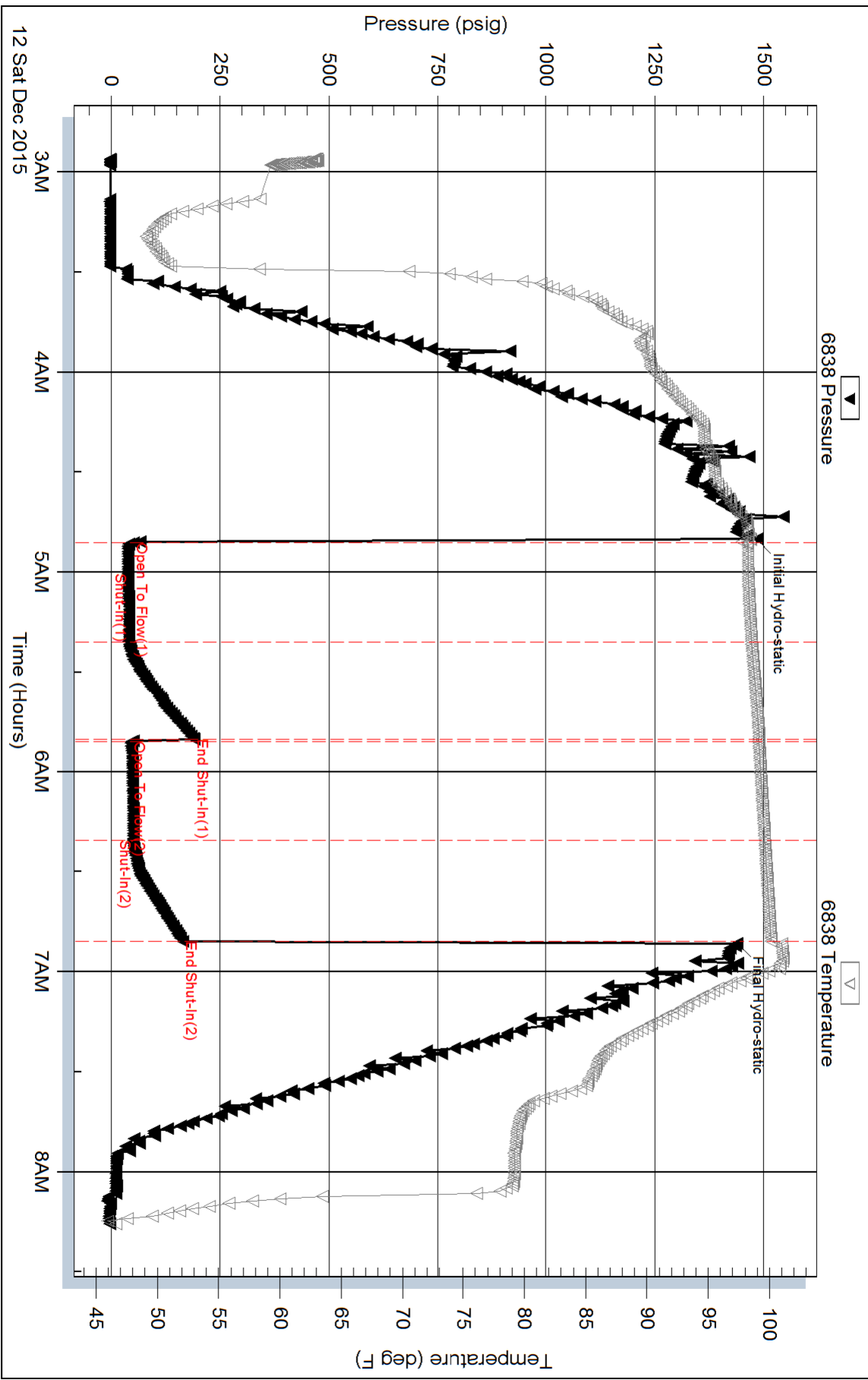
Inside

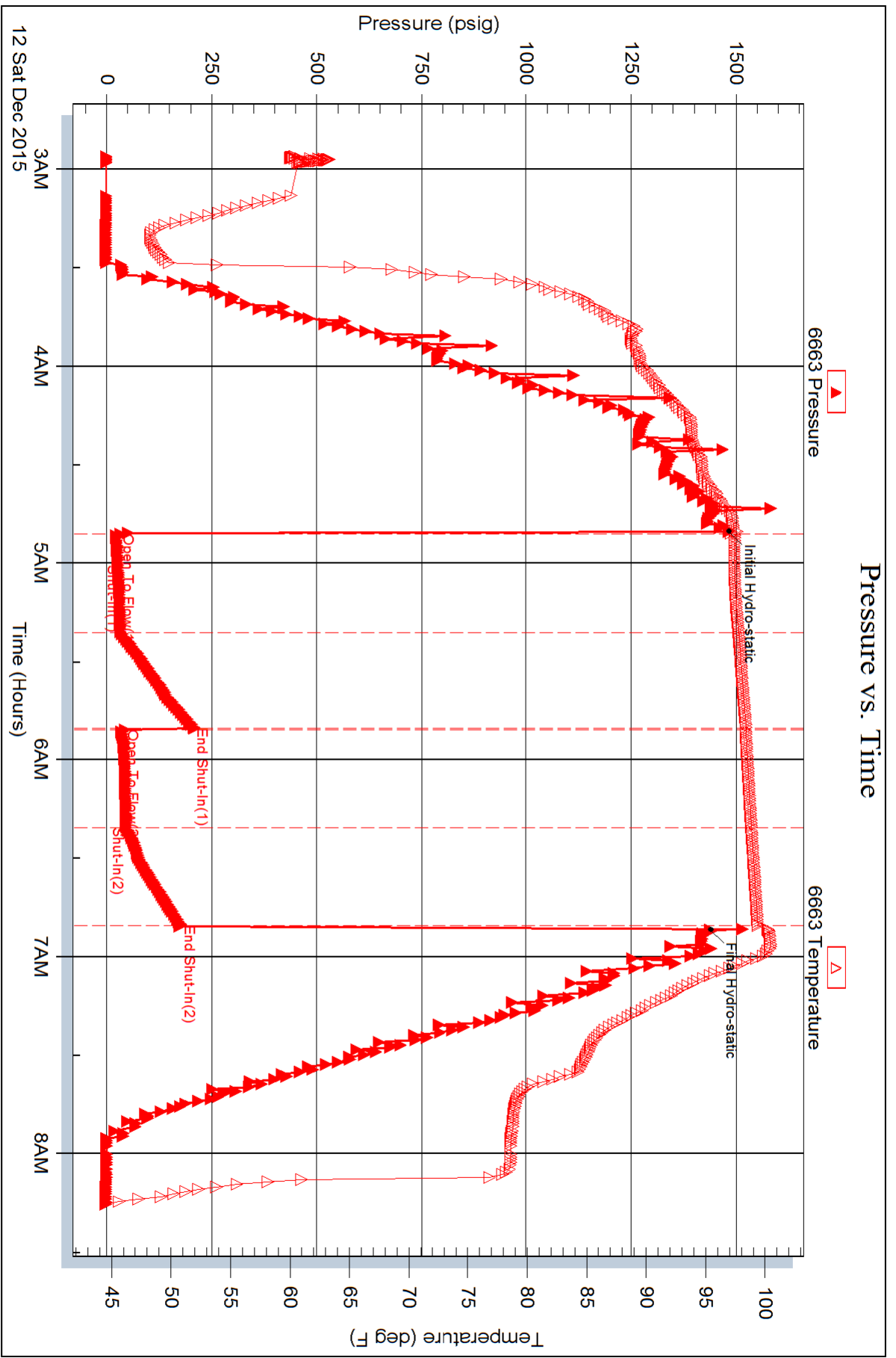
Lebsack Oil Production Inc

Caywood 2-33

DST Test Number: 1

Pressure vs. Time







TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Lebsack Oil Production Inc

33/20S/10W/Rice

PO Box 354
Chase Kansas
67524

Caywood 2-33

Job Ticket: 61967

DST#: 2

ATTN: Josh Austin

Test Start: 2015.12.13 @ 00:14:00

GENERAL INFORMATION:

Formation: **Simpson Sand**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 02:14:31

Time Test Ended: 05:59:01

Test Type: Conventional Bottom Hole (Initial)

Tester: Ken Swinney

Unit No: 58 Great Bend/50

Interval: 3280.00 ft (KB) To 3320.00 ft (KB) (TVD)

Reference Elevations: 1729.00 ft (KB)

Total Depth: 3320.00 ft (KB) (TVD)

1718.00 ft (CF)

Hole Diameter: 7.80 inches Hole Condition: Fair

KB to GR/CF: 11.00 ft

Serial #: 6838

Inside

Press @ Run Depth: 1061.75 psig @ 3316.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2015.12.13

End Date: 2015.12.13

Last Calib.: 2015.12.13

Start Time: 00:14:01

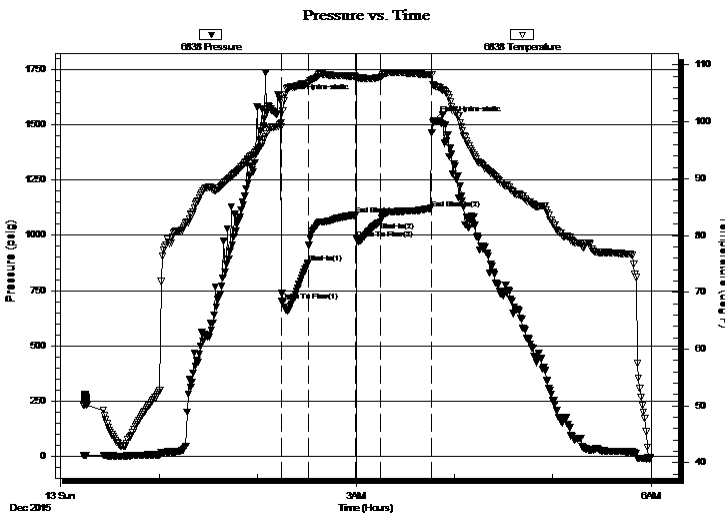
End Time: 05:59:01

Time On Btm: 2015.12.13 @ 02:14:16

Time Off Btm: 2015.12.13 @ 03:47:16

TEST COMMENT: 15 Minute Initial Flow 25 seconds to bottom of bucket
30 Minute Initial Shut In no blow back
15 Minute Final Flow 25 seconds to bottom of bucket
30 Minutes Final Shut In surface blow back

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1617.64	99.71	Initial Hydro-static
1	702.53	99.14	Open To Flow (1)
17	874.22	106.72	Shut-In(1)
46	1091.41	108.00	End Shut-In(1)
47	983.77	107.76	Open To Flow (2)
61	1061.75	107.83	Shut-In(2)
92	1121.92	108.27	End Shut-In(2)
93	1518.21	106.42	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
2424.00	Slightly gas cut Muddy Water	3096.08
0.00	Mud 10% Water 90%	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Lebsack Oil Production Inc

33/20S/10W/Rice

PO Box 354
Chase Kansas
67524

Caywood 2-33

Job Ticket: 61967

DST#: 2

ATTN: Josh Austin

Test Start: 2015.12.13 @ 00:14:00

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:

21000 ppm

Viscosity: 61.00 sec/qt

Cushion Volume:

bbf

Water Loss: 8.79 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 6200.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbf
2424.00	Slightly gas cut Muddy Water	3096.083
0.00	Mud 10% Water 90%	0.000

Total Length: 2424.00 ft Total Volume: 3096.083 bbf

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: Recovery resistivity .54 ohms @ 40 deg.

