



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1246808
OIL & GAS CONSERVATION DIVISION

Form ACO-1

August 2013

Form must be Typed
Form must be Signed
All blanks must be Filled

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # _____

Name: _____

Address 1: _____

Address 2: _____

City: _____ State: _____ Zip: _____ + _____

Contact Person: _____

Phone: (_____) _____

CONTRACTOR: License # _____

Name: _____

Wellsite Geologist: _____

Purchaser: _____

Designate Type of Completion:

- New Well Re-Entry Workover
- Oil WSW SWD SIOW
- Gas D&A ENHR SIGW
- OG GSW Temp. Abd.
- CM (Coal Bed Methane)
- Cathodic Other (Core, Expl., etc.): _____

If Workover/Re-entry: Old Well Info as follows:

Operator: _____

Well Name: _____

Original Comp. Date: _____ Original Total Depth: _____

- Deepening Re-perf. Conv. to ENHR Conv. to SWD
- Plug Back Conv. to GSW Conv. to Producer
- Commingled Permit #: _____
- Dual Completion Permit #: _____
- SWD Permit #: _____
- ENHR Permit #: _____
- GSW Permit #: _____

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

Spot Description: _____

_____ - _____ - _____ Sec. _____ Twp. _____ S. R. _____ East West

_____ Feet from North / South Line of Section

_____ Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE NW SE SW

GPS Location: Lat: _____, Long: _____
(e.g. xx.xxxxx) (e.g. -xxx.xxxxx)

Datum: NAD27 NAD83 WGS84

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Vertical Depth: _____ Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: _____ Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set: _____ Feet

If Alternate II completion, cement circulated from: _____

feet depth to: _____ w/ _____ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: _____ ppm Fluid volume: _____ bbls

Dewatering method used: _____

Location of fluid disposal if hauled offsite:

Operator Name: _____

Lease Name: _____ License #: _____

Quarter _____ Sec. _____ Twp. _____ S. R. _____ East West

County: _____ Permit #: _____

AFFIDAVIT

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Submitted Electronically

KCC Office Use ONLY

- Confidentiality Requested
Date: _____
- Confidential Release Date: _____
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT I II III Approved by: _____ Date: _____



1246808

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 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				

Did you perform a hydraulic fracturing treatment on this well? Yes No *(If No, skip questions 2 and 3)*
 Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? Yes No *(If No, skip question 3)*
 Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry? Yes No *(If No, fill out Page Three of the ACO-1)*

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

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

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

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-2025
Cell 785-324-1041

Home Office P.O. Box 32 Russell, KS 67665

No. 676

Date	Sec.	Twp.	Range	County	State	On Location	Finish
10-27-14	7	17	10	Ellsworth	KS		9:00PM

Location *Wilson Sto T Rd, 3/4 E, S n 2*

Lease <i>Yager</i>	Well No. <i>2</i>	Owner
Contractor <i>Minnescah</i>	<i>101</i>	To Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish cement and helper to assist owner or contractor to do work as listed.
Type Job <i>Surface</i>		Charge To <i>Pauley Oil</i>
Hole Size <i>12 1/4</i>	T.D. <i>440</i>	Street
Csg. <i>8 5/8</i>	Depth <i>440</i>	City
Tbg. Size	Depth	State
Tool	Depth	The above was done to satisfaction and supervision of owner agent or contractor.
Cement Left in Csg.	Shoe Joint <i>20</i>	Cement Amount Ordered <i>200sxc, 3%CC, 2%gel</i>
Meas Line	Displace <i>26 1/2 bbl</i>	

EQUIPMENT

Pumptrk <i>17</i> No.	Cementer	Common <i>200</i>
	Helper <i>Lonnie W.</i>	Poz. Mix
Bulktrk <i>15</i> No.	Driver <i>Ryan</i>	Gel. <i>4</i>
	Driver <i>Travis</i>	Calcium <i>7</i>

JOB SERVICES & REMARKS

Remarks: <i>Cement did circulate</i>	Hulls
Rat Hole	Salt
Mouse Hole	Flowseal
Centralizers	Kol-Seal
Baskets	Mud CLR 48
D/V or Port Collar	CFL-117 or CD110 CAF 38
	Sand
	Handling <i>211</i>
	Mileage

FLOAT EQUIPMENT

	Guide Shoe
	Centralizer
	Baskets
	AFU Inserts
	Float Shoe
	Latch Down

Pumptrk Charge *Surface*
Mileage *34*

X Signature <i>Richard C. Sawyer</i>	Tax
	Discount
	Total Charge

QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-2025
Cell 785-324-1041

Home Office P.O. Box 32 Russell, KS 67665

No. 834

Date	Sec.	Twp.	Range	County	State	On Location	Finish
11-2-2014	7	17s	10 w	ELLSWORTH	KANSAS	6:30 AM	10:00 AM
Location				WILSON KS. 110 S 3/4 E 1/4 S INTO			

Lease	YAGER	Well No.	2	Owner	(Holly Road KS 3W 4S)
Contractor	NINNESCAH	DRLO. Rig #	101	To Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.	
Type Job	Rotary Plug	Charge To	Pauley Gary DBA/ Pauley Oil		
Hole Size	7 7/8	T.D.	3488'	Street	
Csg.	8 5/8 SURFACE	Depth	438'	City	State
Tbg. Size	4 1/2 X-H	Depth	3387'	The above was done to satisfaction and supervision of owner agent or contractor.	
Tool		Depth		Cement Amount Ordered	225 SX 40 4% GEL
Cement Left in Csg.		Shoe Joint		1/4 # FIO-Seal PER SX	
Meas Line		Displace		EQUIPMENT	
Pumptrk	18	No.		Common	135
Bulktrk	15	No.		Poz. Mix	90
Bulktrk		No.		Gel.	8
Bulktrk		No.		Calcium	

JOB SERVICES & REMARKS			Hulls
Remarks:			Salt
Rat Hole			Flowseal 560
Mouse Hole			Kol-Seal
Centralizers			Mud CLR 48
Baskets			CFL-117 or CD110 CAF 38
D/V or Port Collar			Sand
35 SX @ 3387			Handling 233
35 SX @ 1350			Mileage
35 SX @ 950			FLOAT EQUIPMENT
35 SX @ 460			Guide Shoe
25 SX @ 60			Centralizer
30 SX @ Rat Hole			Baskets
30 SX @ Mouse Hole			AFU Inserts
			Float Shoe
			Latch Down
			Pumptrk Charge plug
			Mileage 34

THANKS!

X Signature	Oscar Ortona	Tax	
		Discount	
		Total Charge	

Diamond Testing LLC

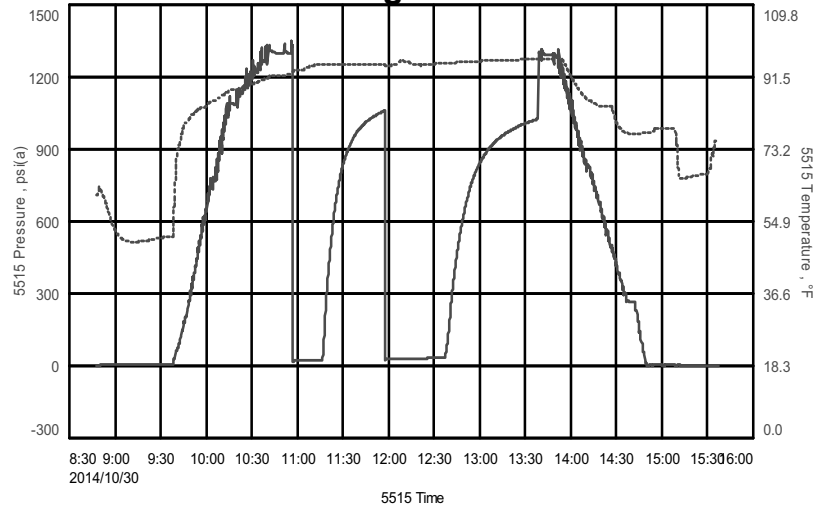
General Information Report

Jacob McCallie
620-617-7116
mccallie.dtlc@gmail.com

General Information

Company Name	Pauley Oil	Gary Pauley
Contact		Yager #2
Well Name		DST #1 Topeka 2847-2911'
Unique Well ID		SEC 7-17S-10W Ellsworth County
Surface Location		Palacky South
Field		Vertical
Well Type		Drill Stem Test
Test Type		DST #1 Topeka 2847-2911'
Formation		06 Water
Well Fluid Type		2014/10/30
Start Test Date		08:48:00
Start Test Time		2014/10/30
Final Test Date		15:38:00
Final Test Time		S0511
Job Number		Jacob McCallie
Representative		2014/10/30
Report Date		Steve Petermann
Qualified By		

Yager #2



Test Results

RECOVERY: 100% M
40' MUD

TOOL SAMPLE:
2% O 98% M



DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: yager2dst1

TIME ON: 08:48
TIME OFF: 15:38

Company Pauley Oil Lease & Well No. Yager #2
Contractor Ninnescah Drilling Charge to Pauley Oil
Elevation 1889 sur Formation Topeka Effective Pay -- Ft. Ticket No. S0511
Date 10-30-14 Sec. 7 Twp. 17 S Range 10 W County Ellsworth State KANSAS
Test Approved By Steve Petermann Diamond Representative Jacob McCallie

Formation Test No. 1 Interval Tested from 2847 ft. to 2911 ft. Total Depth 2911 ft.

Packer Depth 2842 ft. Size 6 3/4 in. Packer depth -- ft. Size 6 3/4 in.

Packer Depth 2847 ft. Size 6 3/4 in. Packer depth -- ft. Size 6 3/4 in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 2835 ft. Recorder Number 5515 Cap. 5,000 P.S.I.

Bottom Recorder Depth (Outside) 2883 ft. Recorder Number 5586 Cap. 5,000 P.S.I.

Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type Chem Viscosity 47 Drill Collar Length 0 ft. I.D. 2 1/4 in.

Weight 8.7 Water Loss 8.0 cc. Weight Pipe Length -- ft. I.D. 2 7/8 in

Chlorides 2,000 P.P.M. Drill Pipe Length 2821 ft. I.D. 3 1/2 in

Jars: Make STERLING Serial Number NA Test Tool Length 26 ft. Tool Size 3 1/2-IF in

Did Well Flow? NO Reversed Out No Anchor Length 64 (32A) ft. Size 4 1/2-FH in

Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. Surface Choke Size 1 in. Bottom Choke Size 5/8 in

Blow: 1st Open: 2 3/4" Blow- Slid 7' to bottom- Built to 4" in 20 min NOBB

2nd Open: WSB- Built to 2" in 40 min NOBB

Recovered 40 ft. of Mud 100% M

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Remarks: _____

TOOL SAMPLE: 2% O 98% M Total _____

Time Set Packer(s) 10:58 AM ^{A.M.}/_{P.M.} Time Started Off Bottom 1:38 PM ^{A.M.}/_{P.M.} Maximum Temperature 96

Initial Hydrostatic Pressure..... (A) 1297 P.S.I.

Initial Flow Period..... Minutes 20 (B) 20 P.S.I. to (C) 25 P.S.I.

Initial Closed In Period..... Minutes 40 (D) 1059 P.S.I.

Final Flow Period..... Minutes 40 (E) 26 P.S.I. to (F) 33 P.S.I.

Final Closed In Period..... Minutes 60 (G) 1025 P.S.I.

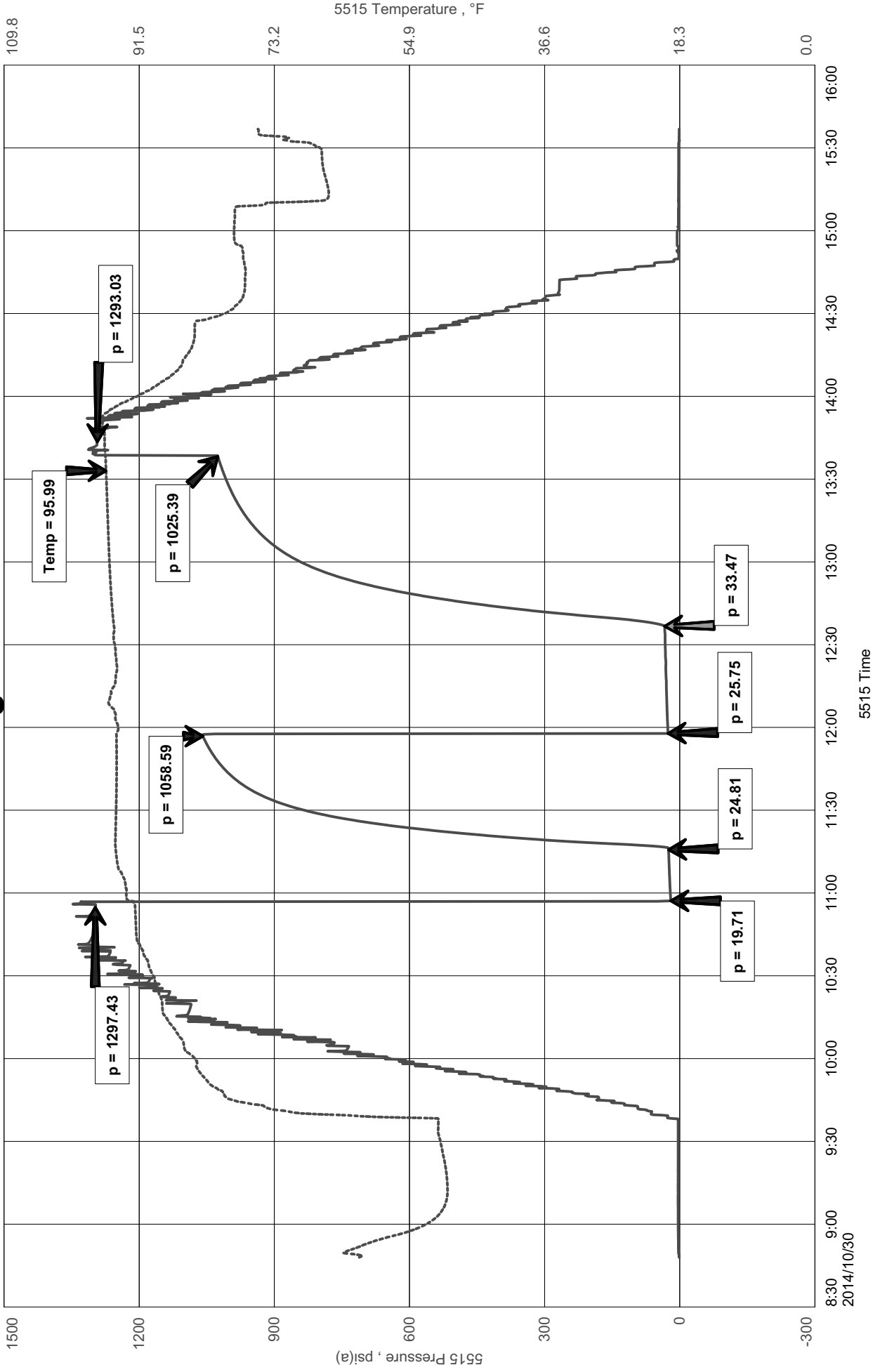
Final Hydrostatic Pressure..... (H) 1293 P.S.I.

Diamond Testing shall not be liable for damages of any kind to the property or personnel of the one for whom a test is made or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statement or opinion concerning the result of any test. Tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.

Pauley Oil
 DST #1 Topeka 2847-2911'
 Start Test Date: 2014/10/30
 Final Test Date: 2014/10/30

Yager #2
 Formation: DST #1 Topeka 2847-2911'
 Pool: Infield
 Job Number: S0511

Yager #2



Diamond Testing LLC

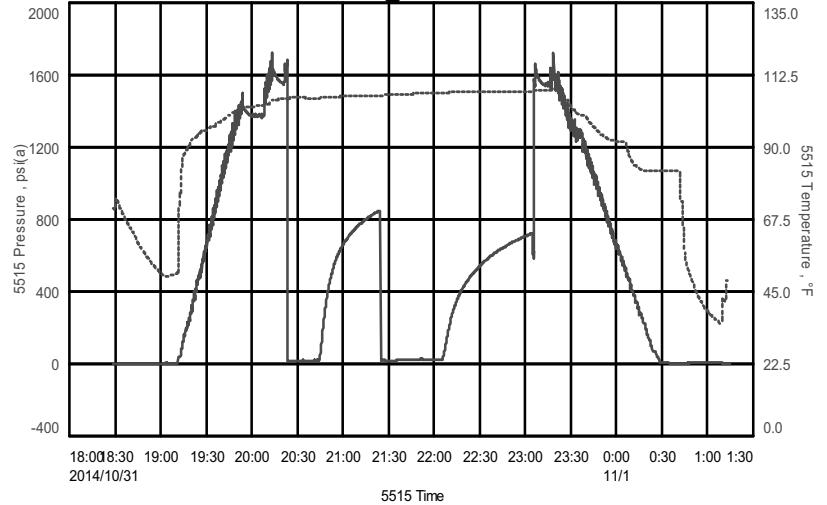
General Information Report

Jacob McCallie
620-617-7116
mccallie.dtlc@gmail.com

General Information

Company Name	Pauley Oil	Gary Pauley
Contact		Yager #2
Well Name		DST #2 Arbuckle 3319-3402'
Unique Well ID		SEC 7-17S-10W Ellsworth County
Surface Location		Palacky South
Field		Vertical
Well Type		Drill Stem Test
Test Type		DST #2 Arbuckle 3319-3402'
Formation		01 Oil
Well Fluid Type		2014/10/31
Start Test Date		18:29:00
Start Test Time		2014/11/01
Final Test Date		01:16:00
Final Test Time		S0512
Job Number		Jacob McCallie
Representative		2014/10/31
Report Date		Steve Petermann
Qualified By		

Yager #2



Test Results

RECOVERY: 25' OSM 2% O 98% M

TOOL SAMPLE: 2% O 98% M



DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: yager2dst2

TIME ON: 10-31 18:29
TIME OFF: 11-1 01:16

Company Pauley Oil Lease & Well No. Yager #2
Contractor Ninnescah Drilling Charge to Pauley Oil
Elevation 1889 sur Formation Arbuckle Effective Pay -- Ft. Ticket No. S0512
Date 10-31-14 Sec. 7 Twp. 17 S Range 10 W County Ellsworth State KANSAS
Test Approved By Steve Petermann Diamond Representative Jacob McCallie

Formation Test No. 2 Interval Tested from 3319 ft. to 3402 ft. Total Depth 3402 ft.

Packer Depth 3314 ft. Size 6 3/4 in. Packer depth -- ft. Size 6 3/4 in.

Packer Depth 3319 ft. Size 6 3/4 in. Packer depth -- ft. Size 6 3/4 in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 3307 ft. Recorder Number 5515 Cap. 5,000 P.S.I.

Bottom Recorder Depth (Outside) 3386 ft. Recorder Number 5586 Cap. 5,000 P.S.I.

Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type Chem Viscosity 52 Drill Collar Length 0 ft. I.D. 2 1/4 in.

Weight 9.2 Water Loss 8.0 cc. Weight Pipe Length -- ft. I.D. 2 7/8 in.

Chlorides 4,000 P.P.M. Drill Pipe Length 3293 ft. I.D. 3 1/2 in.

Jars: Make STERLING Serial Number NA Test Tool Length 26 ft. Tool Size 3 1/2-IF in.

Did Well Flow? NO Reversed Out No Anchor Length 83 (19.5A) ft. Size 4 1/2-FH in.

Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: WSB- Built to 1 1/2" in 20 min NOBB

2nd Open: WSB- No Build NOBB

Recovered 25 ft. of OSM 2% O 98% M

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Remarks: _____

TOOL SAMPLE: 2% O 98% M

Time Set Packer(s) 8:24 PM ^{A.M.}/_{P.M.} Time Started Off Bottom 11:04 PM ^{A.M.}/_{P.M.} Maximum Temperature 107

Initial Hydrostatic Pressure..... (A) 1549 P.S.I.

Initial Flow Period..... Minutes 20 (B) 12 P.S.I. to (C) 18 P.S.I.

Initial Closed In Period..... Minutes 40 (D) 848 P.S.I.

Final Flow Period..... Minutes 40 (E) 18 P.S.I. to (F) 23 P.S.I.

Final Closed In Period..... Minutes 60 (G) 725 P.S.I.

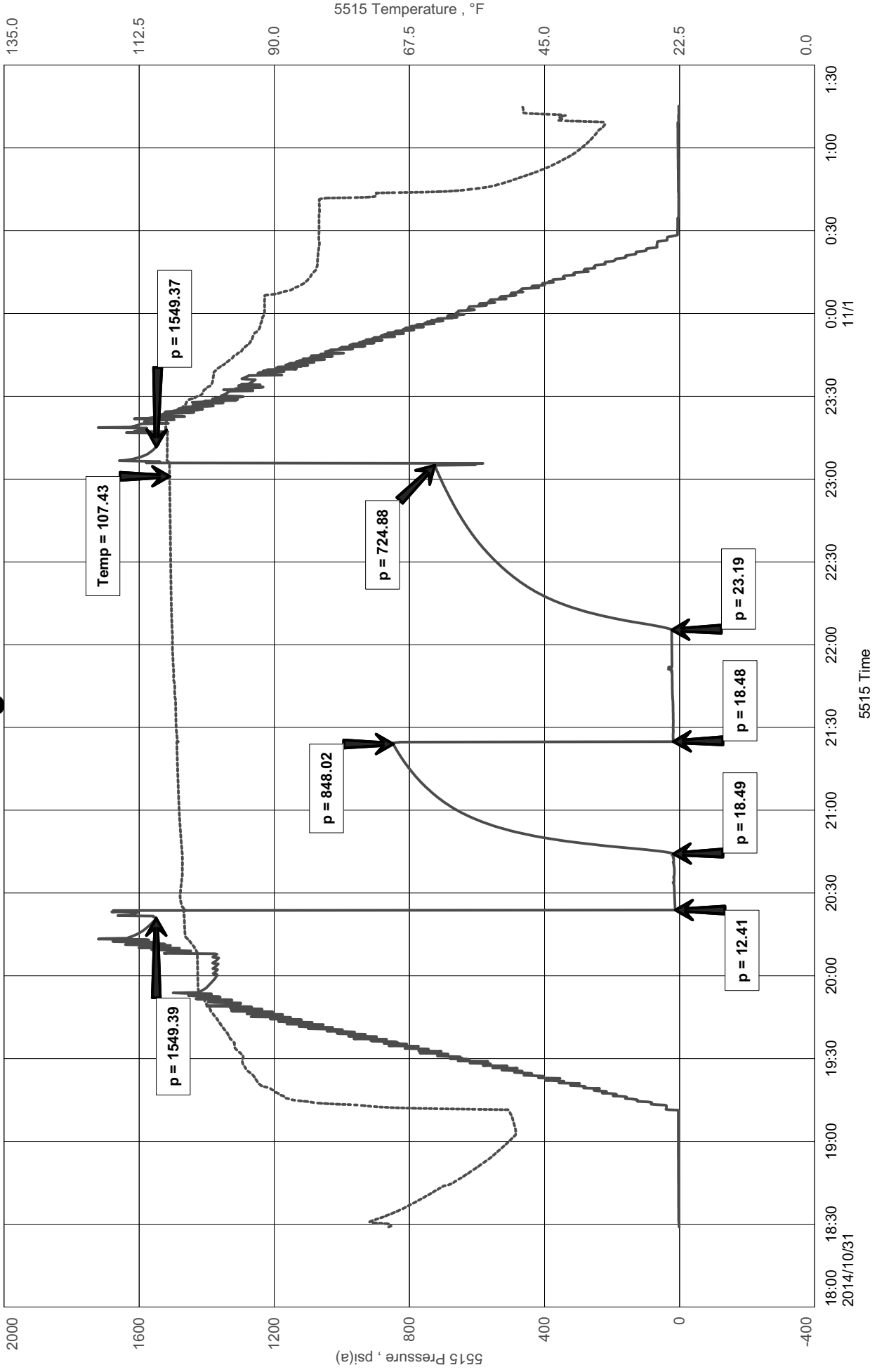
Final Hydrostatic Pressure..... (H) 1549 P.S.I.

Diamond Testing shall not be liable for damages of any kind to the property or personnel of the one for whom a test is made or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statement or opinion concerning the result of any test. Tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.

Pauley Oil
DST #2 Arbuckle 3319-3402'
Start Test Date: 2014/10/31
Final Test Date: 2014/11/01

Yager #2
Formation: DST #2 Arbuckle 3319-3402'
Pool: Infield
Job Number: S0512

Yager #2





Hoisington, Kansas

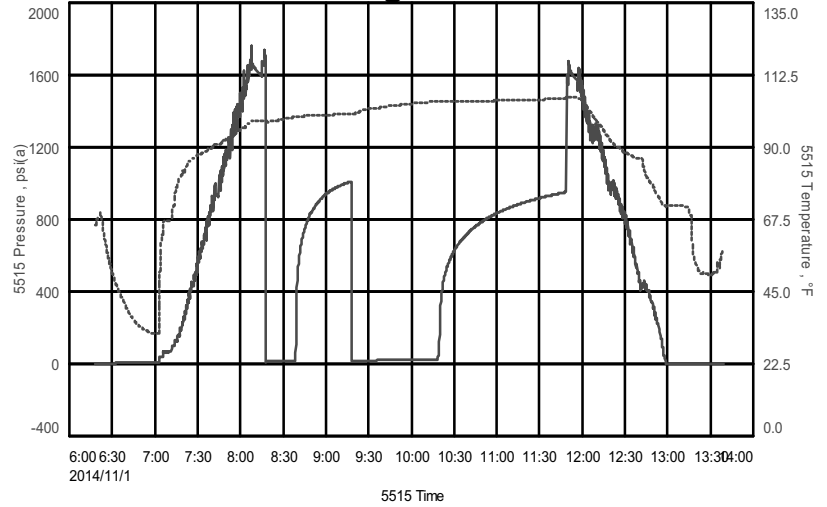
General Information Report

Jacob McCallie
620-617-7116
mccallie.dtlc@gmail.com

General Information

Company Name	Pauley Oil	Gary Pauley
Contact		Yager #2
Well Name		Yager #2
Unique Well ID	DST #3 Arbuckle 3392-3407'	
Surface Location	SEC 7-17S-10W Ellsworth	
Field	Palacky South	
Well Type		Vertical
Test Type		Drill Stem Test
Formation	DST #3 Arbuckle 3392-3407'	
Well Fluid Type		01 Oil
Start Test Date		2014/11/01
Start Test Time		06:18:00
Final Test Date		2014/11/01
Final Test Time		13:40:00
Job Number		S0513
Representative		Jacob McCallie
Report Date		2014/11/01
Qualified By		Steve Petermann

Yager #2



Test Results

RECOVERY: 28' OSSLWCM 2% O 4% W 94% M

TOOL SAMPLE: 2% O 4% W 94% M



DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: yager2dst3

TIME ON: 06:18
TIME OFF: 13:40

Company Pauley Oil Lease & Well No. Yager #2
Contractor Ninnescah Drilling Charge to Pauley Oil
Elevation 1889 sur Formation Arbuckle Effective Pay -- Ft. Ticket No. S0513
Date 11-1-14 Sec. 7 Twp. 17 S Range 10 W County Ellsworth State KANSAS
Test Approved By Steve Petermann Diamond Representative Jacob McCallie

Formation Test No. 3 Interval Tested from 3392 ft. to 3407 ft. Total Depth 3407 ft.

Packer Depth 3387 ft. Size 6 3/4 in. Packer depth -- ft. Size 6 3/4 in.

Packer Depth 3392 ft. Size 6 3/4 in. Packer depth -- ft. Size 6 3/4 in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 3380 ft. Recorder Number 5515 Cap. 5,000 P.S.I.

Bottom Recorder Depth (Outside) 3394 ft. Recorder Number 5586 Cap. 5,000 P.S.I.

Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type Chem Viscosity 55 Drill Collar Length 0 ft. I.D. 2 1/4 in.

Weight 9.2 Water Loss 8.0 cc. Weight Pipe Length -- ft. I.D. 2 7/8 in.

Chlorides 6,000 P.P.M. Drill Pipe Length 3366 ft. I.D. 3 1/2 in.

Jars: Make STERLING Serial Number NA Test Tool Length 26 ft. Tool Size 3 1/2-IF in.

Did Well Flow? NO Reversed Out No Anchor Length 15 ft. Size 4 1/2-FH in.

Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: WSB- Built to 2" in 20 min WSBB

2nd Open: WSB- Built to 2" in 60 min NOBB

Recovered 28 ft. of OSSLWCM 2% O 4% W 94% M

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Remarks: _____

TOOL SAMPLE: 2% O 4% W 94% M

Time Set Packer(s) 8:18 AM ^{A.M.}/_{P.M.} Time Started Off Bottom 11:38 AM ^{A.M.}/_{P.M.} Maximum Temperature 105

Initial Hydrostatic Pressure..... (A) 1597 P.S.I.

Initial Flow Period..... Minutes 20 (B) 11 P.S.I. to (C) 15 P.S.I.

Initial Closed In Period..... Minutes 40 (D) 1009 P.S.I.

Final Flow Period..... Minutes 60 (E) 16 P.S.I. to (F) 25 P.S.I.

Final Closed In Period..... Minutes 90 (G) 952 P.S.I.

Final Hydrostatic Pressure..... (H) 1595 P.S.I.

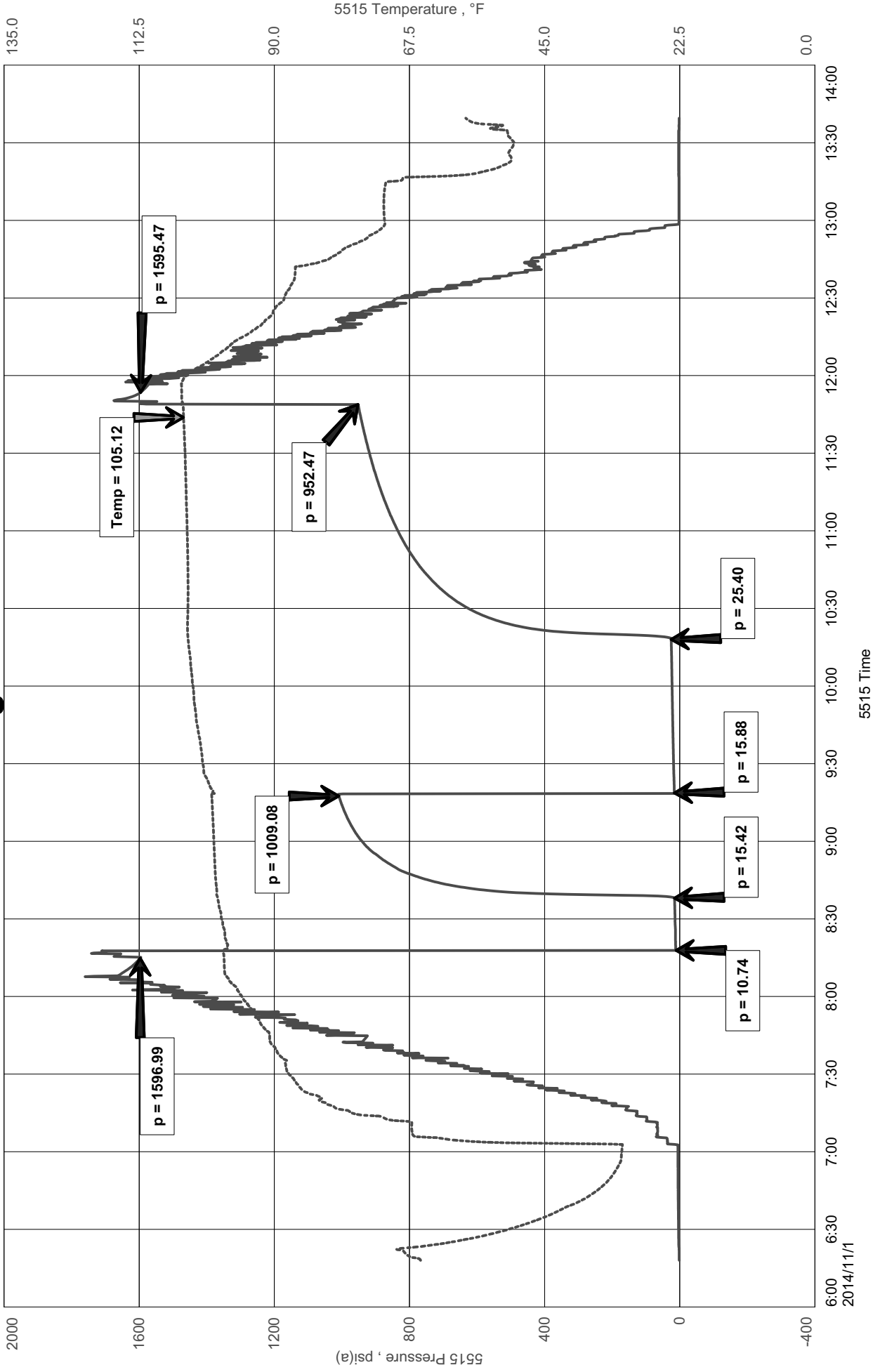
Price Job
Other Charges
Insurance
Total

Diamond Testing shall not be liable for damages of any kind to the property or personnel of the one for whom a test is made or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statement or opinion concerning the result of any test. Tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.

Pauley Oil
DST #3 Arbuckle 3392-3407'
Start Test Date: 2014/11/01
Final Test Date: 2014/11/01

Yager #2
Formation: DST #3 Arbuckle 3392-3407'
Pool: Infield
Job Number: S0513

Yager #2



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

Well Name: Yager #2
Well Id: 15-053-21322-0000
Location: SW-NW-NE-NE (340'FNL 1304'FEL) 7-17S-10W
License Number: _____ Region: _____
Spud Date: _____ Drilling Completed: _____
Surface Coordinates: _____

Bottom Hole
Coordinates: _____
Ground Elevation (ft): 1889 K.B. Elevation (ft): 1902
Logged Interval (ft): 2700' To: 3488 Total Depth (ft): 3488
Formation: _____
Type of Drilling Fluid: Chemical Mud

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

OPERATOR

Company: Pauley Oil
Address: _____

GEOLOGIST

Name: Steven Petermann
Company: Petroleum Geologist
Address: 3206 Northwestern Avenue
Hutchinson, KS
67502

Formation Tops

Log Datums:

Heebner Shale 2924 (-1022)
Brown LST 3033 (-1131)
Lansing 3054 (-1152)
Arbuckle 3384 (-1482)

DSTs

RTD 3488 LTD 3484

ALL DST Data provided @ Rig Depths (not log, in general Log Depths measured 6' shallower then Rig Depths)

DST#1 Plattsmouth 2847-2911 Slid Tool 7' (20-40-40-60) 1st Flow 2.75" building to 4". No BB 2nd Flow WSB building to 2" No BB . IFP: 20-25psi FFP: 26-33psi. ISIP 1059psi FSIP 1025psi Recovered 40' Drilling Mud (100%) Tool Sample 2% Oil 98% Mud




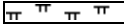
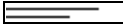
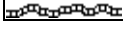


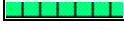

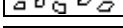


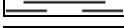

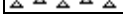


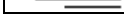
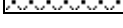
DST#2 Conglomerate/Arbuckle 3319-3402 (20-40-40-60) 1st Flow WSB built to 1.5"-No BB 2nd Flow WSB no build-No BB IFP:12-18psi FFP: 18-23psi ISIP 848psi FSIP 725psi Recovered 25' Oil Spotted Mud (2% Oil) Tool Sample 2% Oil 98% Mud

DST#3 Arbuckle 3392-3407 (20-40-60-90)1st Flow WSB built to 2" 2nd Flow WSB built to 2" WkSurf BlowBack IFP: 11-15psi FFP: 16-25psi ISIP: 1009psi FSIP: 952 psi Recovered 28' VSOwCM (2% Oil 4% Water 94% Mud)








































































Comments

Based on inferior structural position, Log Analysis and negative Drill Stem Test Results, the Yager #2 was P&A at RTD 3488





























ROCK TYPES

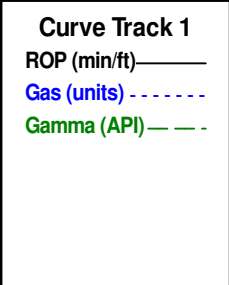
 Anhy	 Clyst	 Gyp	 Mrlst	 Shgy
 Bent	 Coal	 Igne	 Salt	 Sltst
 Brec	 Congl	 Lmst	 Shale	 Ss
 Cht	 Dol	 Meta	 Shcol	 Till

ACCESSORIES

MINERAL	 Gyp	FOSSIL	 Ostra
 Anhy	 Hvymin	 Algae	 Pelec
 Arggrn	 Kaol	 Amph	 Pellet
 Arg	 Marl	 Belm	 Pisolite
 Bent	 Minxl	 Bioclst	 Plant
 Bit	 Nodule	 Brach	 Strom
 Brecfrag	 Phos	 Bryozoa	STRINGER
 Calc	 Pyr	 Cephal	 Anhy
 Carb	 Salt	 Coral	 Arg
 Chtdk	 Sandy	 Crin	 Bent
 Chtlt	 Silt	 Echin	 Coal
 Dol	 Sil	 Fish	 Dol
 Feldspar	 Sulphur	 Foram	 Gyp
 Ferrpel	 Tuff	 Fossil	 Ls
 Ferr		 Gastro	 Mrst
 Glau		 Oolite	 Sltstrg
			 Ssstrg
			TEXTURE
			 Boundst
			 Chalky
			 Cryxln
			 Earthy
			 Finexln
			 Grainst
			 Lithogr
			 Microxln
			 Mudst
			 Packst
			 Wackest

OTHER SYMBOLS

POROSITY	 Vuggy	ROUNDING	 Spotted
 Earthy		 Rounded	 Ques
 Fenest	SORTING	 Subrnd	 Dead
 Fracture	 Well	 Subang	 Ssg
 Inter	 Moderate	 Angular	 Ssfo&g
 Moldic	 Poor		 Sg
 Organic		OIL SHOW	 Sg ssfo
 Pinpoint		 Even	 O&g
			INTERVAL
			 Core
			 Dst
			EVENT
			 Rft
			 Sidewall

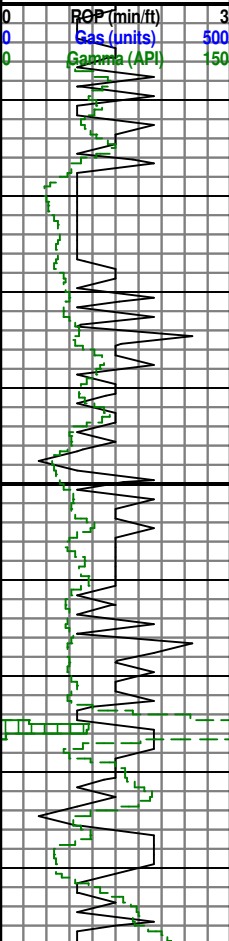
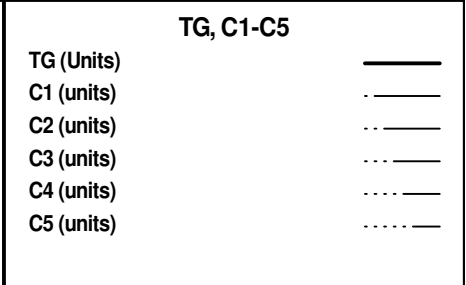


Depth

Lithology

Oil Shows

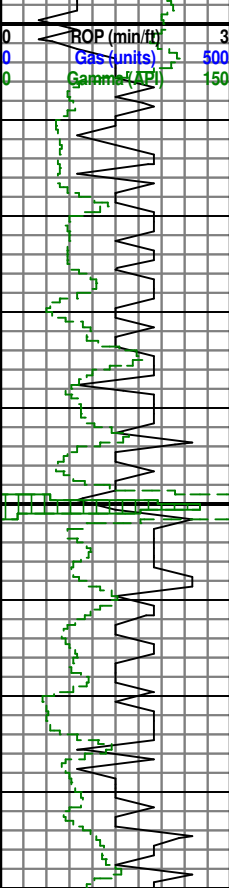
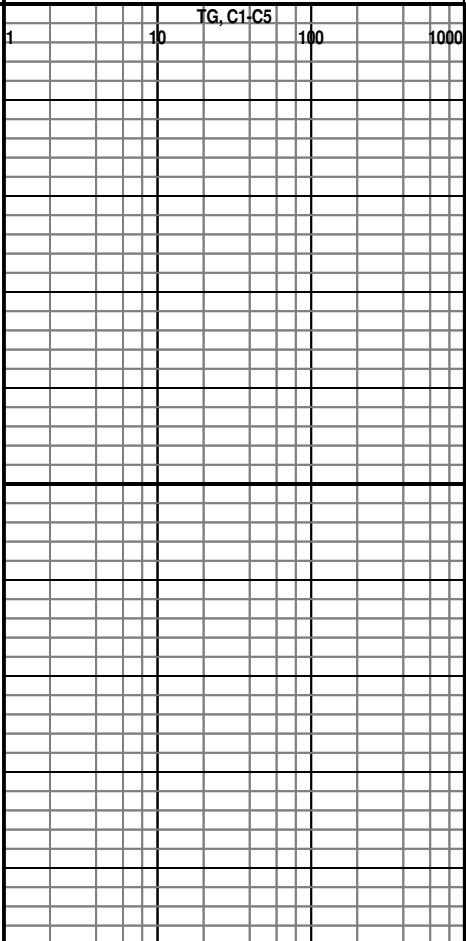
Geological Descriptions



2700

2800

Geological Descriptions



2850

2950

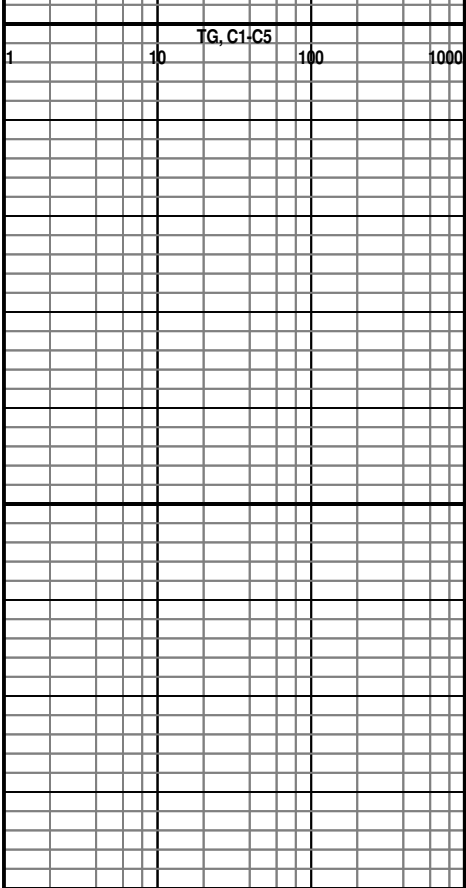
Black Shale

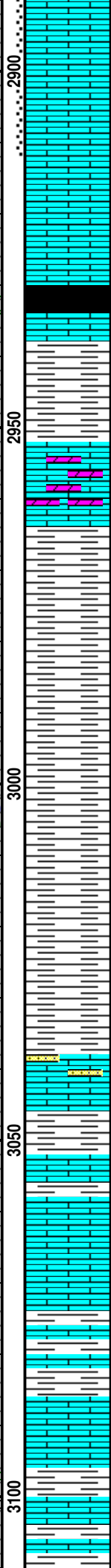
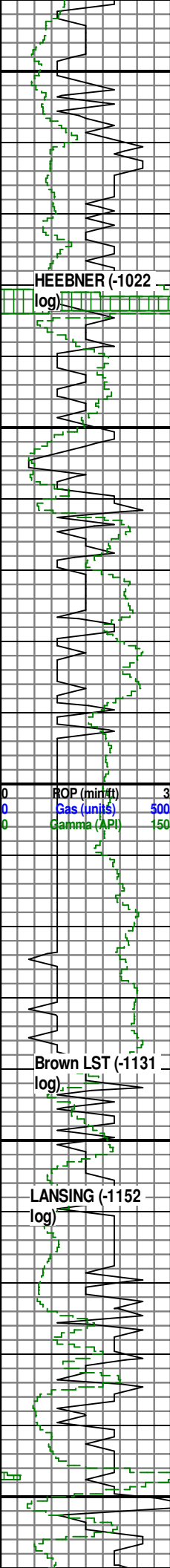
LST - crm-lt gry, fxln (few mxln), foss in part, scattered brn stn, SL SHOW V Hi GRAV W RNBO

LST - mostly lt gry, few tan, incr fossils, fxln, pr-fr porosity, sl cherty, chiky in part, VSSG

LST - tan - lt gry, f-mxln, foss, many pvp, NF NO Tr FO

AA - incr por, poor vuggy por, dk brn heavy stn, SSFO





AA - fr vuggy por, SFO (dark heavy)

Abdt gry shale + LST crm/lt tan, mostly pvp

LST crm, vfxln, sl shaley, some brn spotty stn, pvp NSFO

LST crm-tan, vfxln, soft, mostly pvp, scattered brown stn

Shale - Black, Carb

LST crm/tan/lt gry, fxln foss in pt, chlky in pt, SHOW OF V LT HI GRAV, NO Odor, No Fluor

Shale Lt Gry

Dolo LST - crm, vfxln, granular w good Por, even golden stn, NSFO, NO, S-FSG, dull fluor w poor cut

Shale - gry/red, sandy in pt, vfgr, sub rd, mica, poor dev por, shaley, SSG

AA

Very Silty/Shaley, + SSt, gry, vfgr, sub rd, fair sort, SSG, NSFO

SST - gry, vfgr, wr, fr sort, mica, silty in pt, SSG, NSFO, NF NO

AA - incr silty/shaley

SST AA SSG, NSFO + Lst tan/brn mottled,fxln, foss, dse

Shale - brn, SG + LST tan/brn mottled, fxln, NS

Shale Gry + LST AA dse

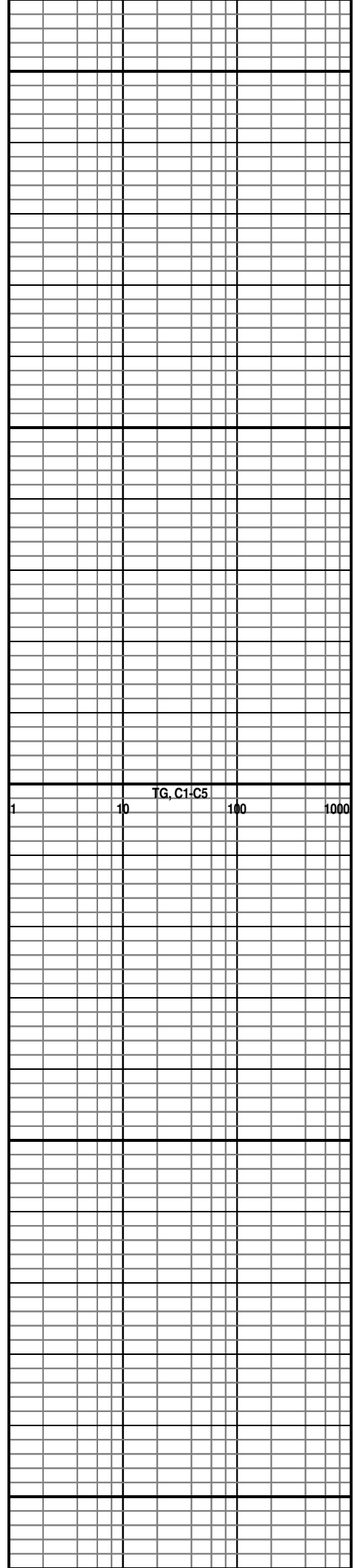
Flood LST - crm, vfxln, golden stn throughout, soft, pvp, SSG few pcs fluor w bright cut, SSFO

LST crm-gry, vfxln, dse-soft, many pvp, some w/fr intxln por & poor vuggy por, SSFO&G (clr-lt tan), ft-fr odor, few w brt fluor & cut

LST - brn/gry, vfxln, granular, brn spotty stn & SSFO, sl shaley + LST - crm, fxln, foss in pt, soft pcs w poor vuggy por, SSFO, SSG w/rainbow

LST - mostly crm, vf-f-xln, foss, many pvp, VSSFO

LST - crm/tan, f-few mxln, foss, mostly pvp, SSFO from tan, cherty, dse LST on break, (oil is brt fluor/sample has poor fluor)



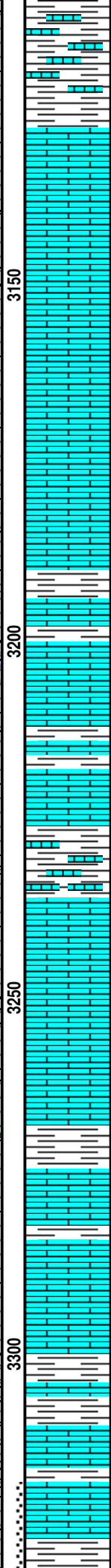
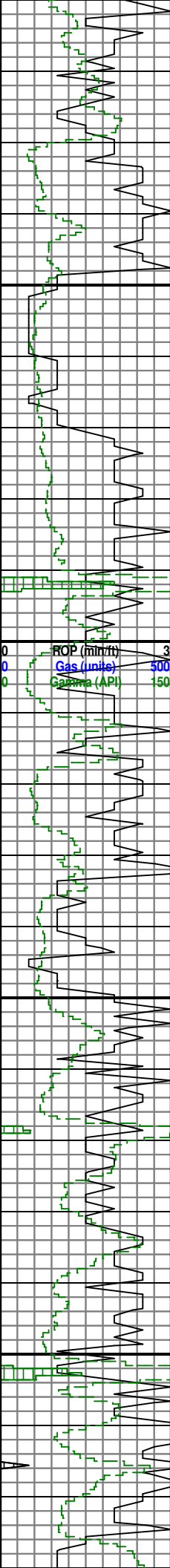
HEEBNER (-1022 log)

Brown LST (-1131 log)

LANSING (-1152 log)

ROP (minift) 3
Gas (units) 500
Gamma (API) 150

TG, C1-C5
1 10 100 1000



Shale - gry, soft + LST crm/gry, vf-fxln, mostly pvp, few w VSSFO, sl sandy

V Shaley - gry + few LST crm, fxln, pr vuggy por, w/brn stn and SSFO

LST - mostly crm/tan, f-mxln, foss (ool), pvp-dse w NS, few LST crm, vfxln, scattered vuggy por, w/brn dead stn, faint odor

LST - reddish tan, f-mxln, pvp-dse, NS NO NF + LST - mostly crm, f-min, soft-sub chlky, pvp NS

LST crm vfxln, good oom por (barren) rechrystallized, NS NO NF

AA

AA - w poorer sub oom por, chalkier

Very Shaley - gry, + LST gry/tan fxln pvp-dse NS + oom LST AA (cavings?)

Shale - gry/dk gry

LST - crm, vfxln, pr-fr oom por, some w SFO on break, mostly barren, no apparent stain (oil shows appear to be from tite dse moldic rocks), ft odor

Shale - gry + LST crm/tan, f-mxln, foss, pkstone, inter foss por calc occluded, SSFO, pr-fair oom por, oom are barren + LST crm, vfxln, soft, pvp, NS, ft odor

LST - wht/crm, f-mxln, foss pkstone, NS

LST -crm, vfxln, fr oom por w sfo (dk tan/red) - sl shaley gry

LST - lt tan, vfxln, good oom por (barren)

AA - chalkier, NS

LST - crm/tan, vf-fxln, many dse-pvp, few with fr oom por, mostly barren, few pcs w SFO on break

LST - crm/tan, vf-fxln, foss in pt, pvp NS NF NO

Dk Gry Shale

LST - crm, vf-fxln, pr-fr intxln por, SFO on break, brt yellow fluor & cut w/acid (good oil shows from tite rocks Check Logs ... Logs calc'd 4-6% por)

AA - incr foss, both live SFO and dead brn stn

LST - crm, vfxln, many soft, granular, pr-fr por, golden brn-brn stn, some sat, SFO on break (good oil shows from tite looking rocks Check Logs ... logs calc low por and high water sat)

Shale - dk gry/brown

LST - crm/tan, vf-fxln, foss in part, cherty in pt, many pvp-dse, SSG

LST - lt gry - rusty tan, vfxln, dse NS

LST - tan, vfxln, mod soft, pvp + Shale, red brick - gry/dk gry, trace SSt gry/grn, vfgr, sub rd, fr sort, fr por, SG & dead asphaltic stn

