

Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1200736
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

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: _____



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 (Attach Additional Sheets)	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input type="checkbox"/> No	Name	Top	Datum
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:				

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: <input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives

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 (Amount and Kind of Material Used)		Depth

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

Date of First, Resumed Production, SWD or ENHR.		Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> 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 (If vented, Submit ACO-18.)	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. (Submit ACO-5) <input type="checkbox"/> Other (Specify) _____				PRODUCTION INTERVAL: <hr/> <hr/>	
--	---	--	--	--	---	--

Form	ACO1 - Well Completion
Operator	K & N Petroleum, Inc.
Well Name	Tony Klepper 4-1
Doc ID	1200736

All Electric Logs Run

Gamma Ray Log

Dual Induction Log

Compensated Neutron Log

Compensated Density Log

Microresistivity Log

Sonic Porosity Log

Form	ACO1 - Well Completion
Operator	K & N Petroleum, Inc.
Well Name	Tony Klepper 4-1
Doc ID	1200736

Tops

Name	Top	Datum
Top Anhydrite	604	1193
Heebner	2958	-1161
Toronto	2978	-1181
Douglas	2989	-1192
Brown Lime	3081	-1284
Lansing	3094	-1297
Base Kansas City	3358	-1561
Conglomerate Sand	3386	-1589
Arbuckle	3412	-1615
RTD	3495	-1698
LTD	3474	-1677

MORNING DRILLING REPORT

For: K&N Petroleum

SOUTHWIND DRILLING, INC.

RIG No. 6

Well Name: Tony Klepper #4-1
 Location: 558' FSL & 1215' FEL
 Section: 4-19S-11W
 County: Barton
 API: 15-009-25962-00-00

Elevation: GL 1790'

KB 1798'

Est. TD: 3450'

Conductor: N/A

Rig No. 6 (Pusher Wes Pfaff) 620 566-7094

Rig No. 6 (Doghouse) 620 566-7156

Southwind Drilling Office 620 564-3800

Surface Casing: Ran 9 joints of new 8 5/8" casing, Tally @ 358', Set @ 368', used 250 sacks of 60/40 Poz, 2% gel, 3% cc, cement circulated, by Copeland (Ticket #40001), plug down @ 1:30 am on 04.08.14.



Plugging Info: Plugged well with 195 sacks of _____, 1st plug @ 3402' w/ 50 sacks, 2nd plug @ 612' w/ 25 sacks, 3rd plug @ 418' w/ 80 sacks, 4th plug @ 40' w/ 10 sacks, 30 sacks for Rat hole, cemented, by Copeland (Ticket #40043), job complete @ 10:00 pm on 04.14.14.

Rotary Total Depth: 3475'

Log Total Depth: 3475'

Geologist: Jim Musgrove

7:00 A.M. Depth: 3475'

7:00 A.M. Current Operation: TEAR DOWN

Spud Date & Time: 04/07/2014 @ 5:00 PM	04/07/14 Day 1	04/08/14 Day 2	04/09/14 Day 3	04/10/14 Day 4	04/11/14 Day 5	04/12/14 Day 6	04/13/14 Day 7	04/14/14 Day 8	04/15/14 Day 9	Total
Total Depth (7:00am)	0	368	1542	2546	3083	3135	3310	3438	3475	
Daily Progress	368	1174	1004	537	52	175	128	37		3475
Ft. Per Hr.	77.47	86.96	49.58	32.06	18.91	21.88	20.48	37.00	#DIV/0!	47.44
Current Operation (7:00am)	Rig Up	WOC	Drilling	Drilling	CTCH	DST #2	LDTT	CFS	Tear Down	
Formation	Surface	Surface	Sand / Lime	Sand / Shale	Shale / Douglas	Lansing	Lansing	Congl. Sand		
Fuel Used	113.67	245.46	305.75	341.69	224.21	228.16	228.81	136.24		1823.99
Survey (degree & depth)	1° @ 368'				3/4° @ 3083'			1° @ 3475'		
Mud Info										
Mud Cost	\$0.00	\$0.00	\$0.00	\$5,928.85	\$0.00	\$1,389.10	\$1,486.55	\$0.00		\$8,804.50
Weight (# / Gal)		9.5	9.8	8.9	8.9	9.2	9.4			
Vis (Funnel)		28	30	47	47	52	48			
Water Loss (cc)				7.2	8.8	10.8	10.4			
Bit #1										
Bit Make / Type	JZ									
Bit Size	12 1/4									
Bit Hours	4.75									4.75
Bit #2										
Bit Make / Type		JZ HA20Q								
Bit Size		7 7/8	7 7/8	7 7/8	7 7/8	7 7/8	7 7/8	7 7/8		
Bit Hours		13.50	20.25	16.75	2.75	8.00	6.25	1.00		68.50
Bit Cumulative Hours	4.75	13.50	20.25	16.75	2.75	8.00	6.25	1.00	0.00	73.25
Weight on Bit (WOB)	20,000	28,000	32,000	35,000	35,000	35,000	35,000	35,000		
RPM	100	85	85	85	85	85	85	85		
Pump Pressure	500	600	750	700	700	700	700	700		
Drilling (Rotating) Hours	4.75	13.50	20.25	16.75	2.75	8.00	6.25	1.00	0.00	73.25

Daywork Hrs. (Operator's time)

Rat Hole (>.75 Hrs)										0.00
Wait on Cement	5.50	2.50								8.00
Trip			1.50		11.00	6.75	8.00	3.25		30.50
Circulate				3.00	4.75	3.75	5.00	1.50		18.00
Tool					0.50	1.75	1.25			3.50
Testing					3.50	2.50	3.00			9.00
Clean Floor										0.00
Logging							4.50			4.50
LLDP / LDDC / Plug well							4.00			4.00
Run Casing / Cement	1.50									1.50
Nipple Down / Jet Cellar										0.00
Set Slips / Jet Pits										0.00
Wait on Loggers										0.00
Wait on Orders										0.00
Billable Hours	7.00	2.50	0.00	4.50	19.75	14.75	17.25	13.25	0.00	79.00

Non-Billable Hours (Southwind's time)

Rig Up / Rig Down	9.50							9.00		18.50
Wait on Cement (if NC)										0.00
Drill Rat Hole (<.75 hrs)	0.50									0.50
Drill Plug		0.50								0.50
Circulate / Trip (Surface)	0.75									0.75
Rig Repair		3.75			0.50		0.25			4.50
Connections	0.75	2.75	2.75	1.75		0.75	0.25			9.00
Jet/Displace	0.50	0.50	0.75	0.50	0.75					3.00
Surveys	0.25				0.25		0.25			0.75
Rig Check		0.50	0.25	0.50		0.50				1.75
Circulate (NB)										0.00
Trip Time (NB)										0.00
Plugged Bit										0.00
Lost Circulation (< 2 hrs)										0.00
Lay Down Kelly / RH							0.50			0.50
Non-Billable Hrs.	12.25	8.00	3.75	2.75	1.50	1.25	0.50	9.75	0.00	39.75
	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00	0.00	
Footage Cost	\$ 5,152.00	\$ 16,436.00	\$ 14,056.00	\$ 7,518.00	\$ 728.00	\$ 2,450.00	\$ 1,792.00	\$ 518.00	\$ -	\$ 48,650.00
Daywork Cost	\$ 2,450.00	\$ 875.00	\$ -	\$ 1,575.00	\$ 6,912.50	\$ 5,162.50	\$ 6,037.50	\$ 4,637.50	\$ -	\$ 27,650.00
Combined Est. Cost*	\$ 7,602.00	\$ 17,311.00	\$ 14,056.00	\$ 9,093.00	\$ 7,640.50	\$ 7,612.50	\$ 7,829.50	\$ 5,155.50	\$ -	\$ 76,300.00

*Please note that this is estimated footage & daywork cost only. Additional charges will apply on invoice (fuel surcharge, water transfer pump, etc)

DST #1 Info - Footage Interval: 2986' - 3085' "Douglas" Recovery: Mis-Run	DST #2 Info - Footage Interval: 3986' - 3135' Douglas / Lansing "A-C" Recovery: 39' Mud
DST #3 Info - Footage Interval: 3228' - 3310' Recovery: 129' Mud with Specs of Oil	DST #4 Info - Footage Interval: 3330' - 3423' Recovery: 20' Mud

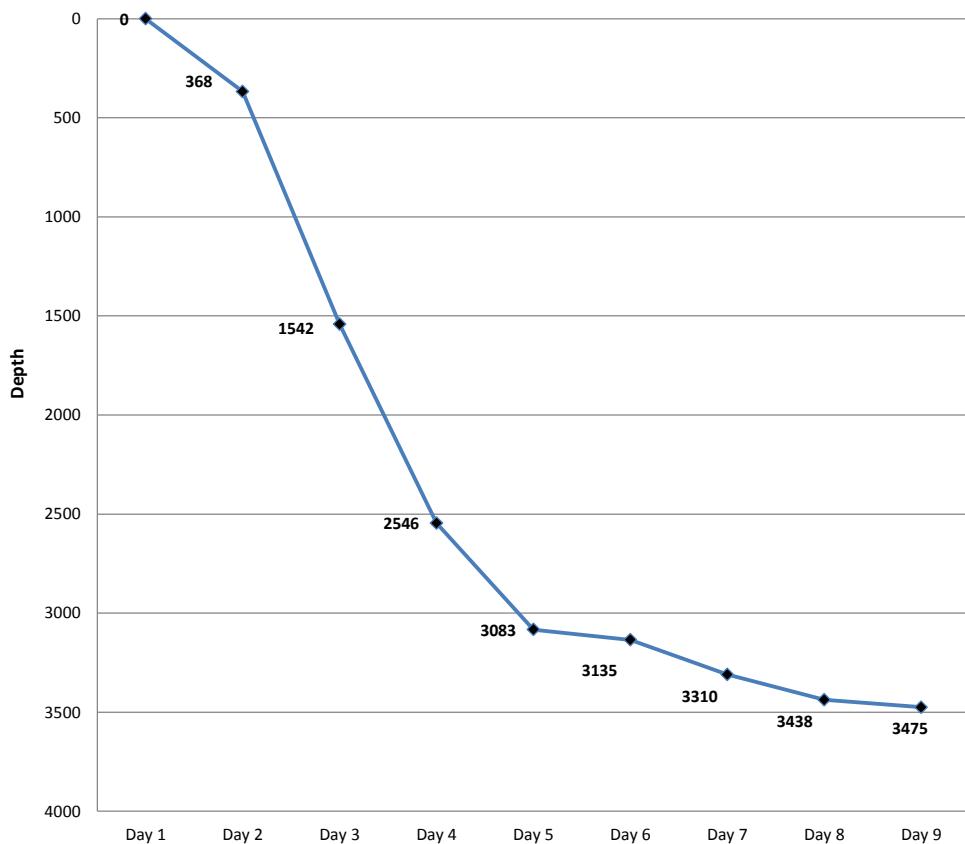


Job Summary Graphical Report

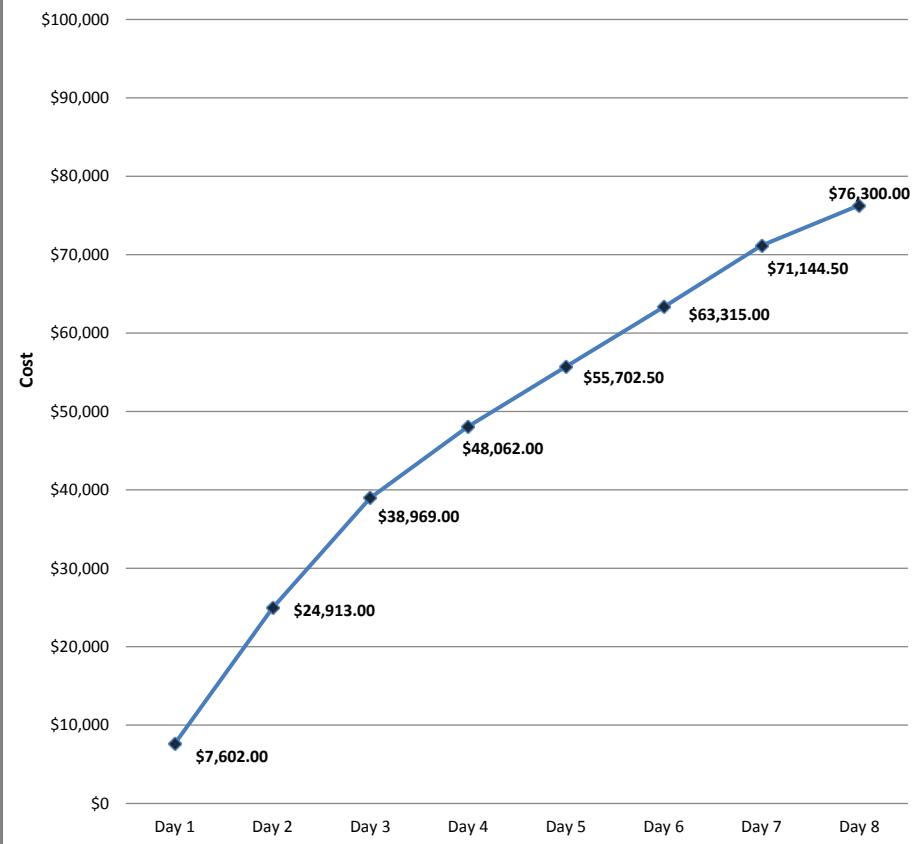
Southwind Rig #6

Tony Klepper #4-1

Days vs Depth



Days vs Cost





TREATMENT REPORT

Acid Stage No.

Date 4/8/2014 District F.O. No. 40001

Company K&N PETROLEUM

Well Name & No. TONY KLEPPER 4-1

Location _____ Field _____

County BARTON State KS

Casing: Size Type & Wt. Set at ft.

Formation: **Perf.** to

Formation: **Perf.** to

Liner: Size _____ Type & Wt. _____ Top at _____ ft. Bottom at _____ ft. P

Cemented: _____ Perforated from _____ ft. to _____ ft. At _____

Tubing: Size & Wt. _____ Swung at _____ ft. P.

Type Treatment:	Amt.	Type Fluid	Sand Size	Pounds of Sand
Bkdown	Bbl./Gal.			
	Bbl./Gal.			
	Bbl./Gal.			
	Bbl./Gal.			
Flush	Bbl./Gal.			
Treated from	ft. to	ft.	No. ft.	0
from	ft. to	ft.	No. ft.	0
from	ft. to	ft.	No. ft.	0
Actual Volume of Oil / Water to Load Hole:				Bbl./Gal.
Pump Trucks.	No. Used:	Std. 318	Sp.	Twin
Auxiliary Equipment 327				
Personnel BRANDON SCOTT AND JORDAN				
Auxiliary Tools				
Plugging or Sealing Materials:	Type			
		Gals.	lb.	

Company Representative **ED**

BRANDON



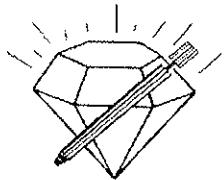
TREATMENT REPORT

Date 4/14/2014 District G.B. F.O. No. C40043
Company K&N Petroleum
Well Name & No. Klepper 4-1
Location _____ Field _____
County Barton State KS

Casing: Size _____ Type & Wt. _____ Set at _____
 Formation: _____ Perf. _____ to _____
 Formation: _____ Perf. _____ to _____
 Formation: _____ Perf. _____ to _____
 Liner: Size _____ Type & Wt. _____ Top at _____ ft. Bottom at _____
 Cemented: Yes Perforated from _____ ft. to _____
 Tubing: Size & Wt. _____ Swung at _____
 Perforated from _____ ft. to _____
 Open Hole Size _____ T.D. _____ ft. P.B. to _____

Type Treatment:	Amt.	Type Fluid	Sand Size	Pounds of Sand
Bkdown	Bbl./Gal.			
	Bbl./Gal.			
	Bbl./Gal.			
	Bbl./Gal.			
Flush	Bbl./Gal.			
Treated from	ft. to	ft.	No. ft.	0
from	ft. to	ft.	No. ft.	0
from	ft. to	ft.	No. ft.	0
Actual Volume of Oil / Water to Load Hole:				Bbl./Gal.
Pump Trucks.	No. Used:	Std. 320	Sp.	Twin
Auxiliary Equipment		327		
Personnel	Nathan Greg Mike			
Auxiliary Tools				
Plugging or Sealing Materials:	Type		Gals.	lb.

Company Representative Ed Treater Nathan W.



DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: Tony Klepper 4-1 Dst 2

TIME ON: 02:30

TIME OFF: 08:41

Company K & N Petroleum

Lease & Well No. Tony Klepper 4-1

Contractor Southwind Drilling Rig 6

Charge to K & N Petroleum

Elevation KB 1797

Formation Doug/Snd & Lan "A-C" Effective Pay _____

Ft. Ticket No. RR022

Date 04/12/2014 Sec. 4 Twp. 19 S Range. 11 W County Barton State KANSAS

Test Approved By _____

Diamond Representative Ricky Ray

Formation Test No. 2 Interval Tested from 2986 ft. to 3135 ft. Total Depth 3135 ft.

Packer Depth 2981 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Packer Depth 2986 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 2966 ft. Recorder Number 5515 Cap. 5,000 P.S.I.

Bottom Recorder Depth (Outside) 3112 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 45 Drill Collar Length _____ -- ft. I.D. 2 1/4 in.

Weight 9.2 Water Loss 8.8 cc. Weight Pipe Length _____ -- ft. I.D. 2 7/8 in

Chlorides 4000 P.P.M. Drill Pipe Length 2953 ft. I.D. 3 1/2 in

Jars; Make STERLING Serial Number 4 Test Tool Length 33 ft. Tool Size 3 1/2-IF in

Did Well Flow? NA Reversed Out NA Anchor Length 149A (24P) 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: 1/4" Blow Built to 2 1/4" in 30 mins NOBB

2nd Open: 1/4" Blow Built to 1 1/4" in 45 mins NOBB

Recovered 39 ft. of MUD 100% M (few oil specks)

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Recovered _____ ft. of PH: 9

Recovered _____ ft. of RW: .36 @ 61 degrees F Price Job

Recovered _____ ft. of CHLORIDES: 20,000 ppm Other Charges

Remarks: _____ Insurance _____

TOOL SAMPLE: 1% O 25% W 74% M Total

Time Set Packer(s) 4:12 AM A.M. Time Started Off Bottom 6:42 AM A.M. Maximum Temperature 97 P.M.

Initial Hydrostatic Pressure..... (A) 1403 P.S.I.

Initial Flow Period..... Minutes 30 (B) 11 P.S.I. to (C) 20 P.S.I.

Initial Closed In Period..... Minutes 30 (D) 624 P.S.I.

Final Flow Period..... Minutes 45 (E) 22 P.S.I. to (F) 29 P.S.I.

Final Closed In Period..... Minutes 45 (G) 588 P.S.I.

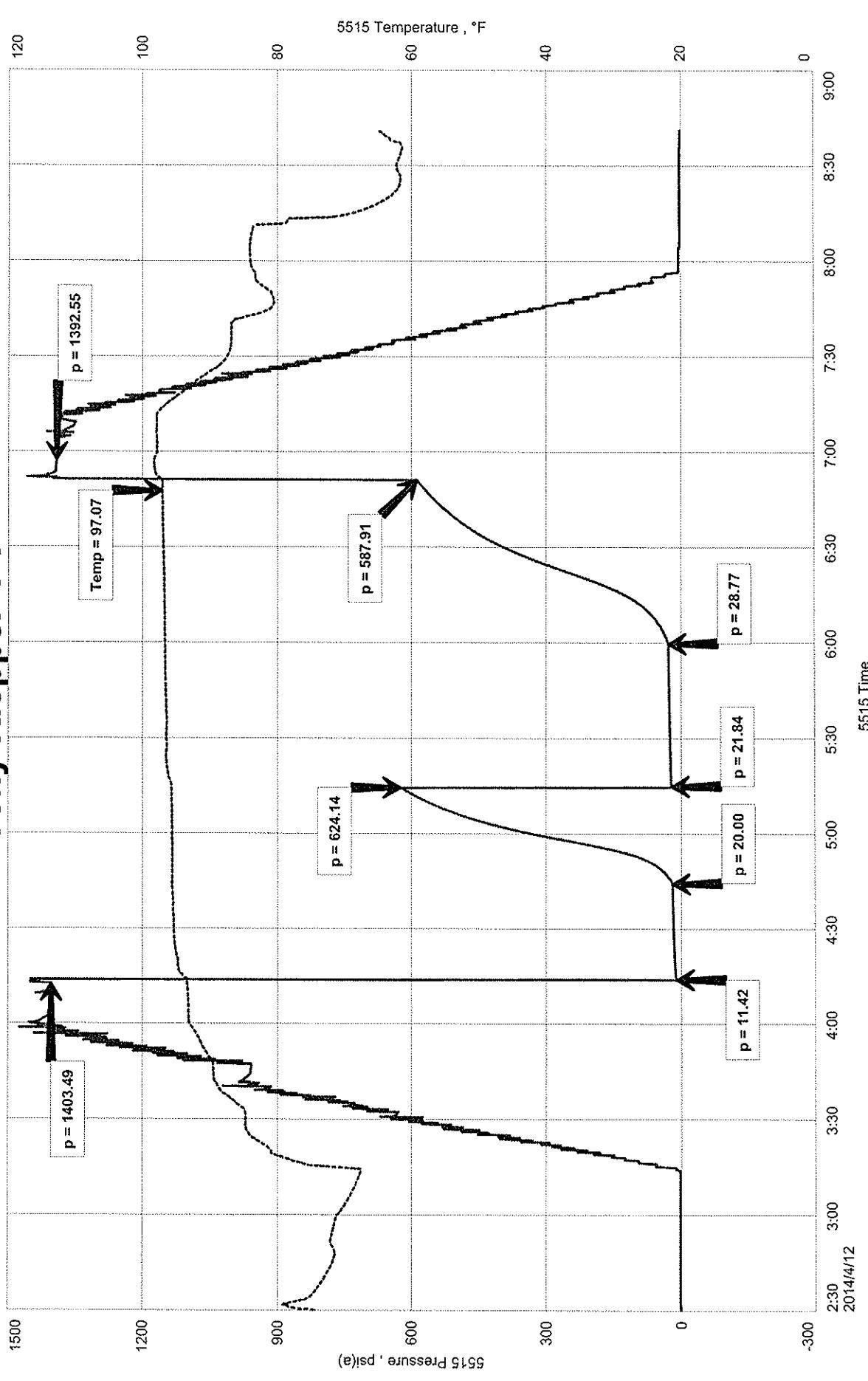
Final Hydrostatic Pressure..... (H) 1393 P.S.I.

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.

K & N Petroleum
Dst 2 Doug/Snd & Lan "A-C" (2986-3135)
Start Test Date: 2014/04/12
Final Test Date: 2014/04/12

Tony Klepper 4-1
Formation: Dst 2 Doug/Snd & Lan "A-C" (2986-3135)
Pool: Infield
Job Number: RR021

Tony Klepper 4-1



Diamond Testing

General information Report

General Information

Company Name K & N Petroleum

Contact	Ed Nemnich
Well Name	Tony Klepper 4-1
Unique Well ID	Dst 2
Surface Location	Doug/Snd & Lan "A-C" (2986-3135) Sec: 4s-19r-11w (Barton County)
Well License Number	Unknown
Field	Vertical
Well Type	

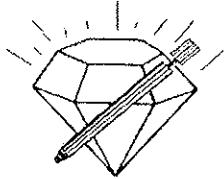
Test Type	Drill Stem Test
Formation	Dst 2 Doug/Snd & Lan "A-C" (2986-3135)
Well Fluid Type	01 Oil
Start Test Date	2014/04/12
Final Test Date	2014/04/12
Gauge Name	5515
Gauge Serial Number	

Test Results

RECOVERY:
39' MUD 100% M (few oil specks)

PH: 9
RW: .36 @ 61 degrees F
Chlorides: 20,000 ppm

TOOL SAMPLE:
1% O 25% W 74% M



DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: Tony Klepper 4-1 Dst 3

TIME ON: 02:30

TIME OFF: 07:11

Company K & N Petroleum Lease & Well No. Tony Klepper 4-1

Contractor Southwind Drilling Rig 6 Charge to K & N Petroleum

Elevation KB 1797 Formation LKC "HIJ" Effective Pay Ft. Ticket No. RR023

Date 04/13/2014 Sec. 4 Twp. 19 S Range 11 W County Barton State KANSAS

Test Approved By Diamond Representative Ricky Ray

Formation Test No. 3 Interval Tested from 3228 ft. to 3310 ft. Total Depth 3310 ft.

Packer Depth 3223 ft. Size 6 3/4 in. Packer depth ft. Size 6 3/4 in.

Packer Depth 3228 ft. Size 6 3/4 in. Packer depth -- ft. Size 6 3/4 in.

Depth of Selective Zone Set

Top Recorder Depth (Inside) 3308 ft. Recorder Number 5515 Cap. 5,000 P.S.I.

Bottom Recorder Depth (Outside) 3296 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 44 Drill Collar Length -- ft. I.D. 2 1/4 in.

Weight 9.2 Water Loss 10.8 cc. Weight Pipe Length -- ft. I.D. 2 7/8 in

Chlorides 6000 P.P.M. Drill Pipe Length 3195 ft. I.D. 3 1/2 in

Jars: Make STERLING Serial Number 4 Test Tool Length 33 ft. Tool Size 3 1/2-IF in

Did Well Flow? NA Reversed Out NA Anchor Length 82A (19.5P) 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: 1/4" Blow Built to 6 1/4 in 30 mins NOBB

2nd Open: WSB Built to 6 1/4 in 45 min NOBB

Recovered 129 ft. of HWCM 65%W 35% M

Recovered 129 ft. of Total Fluid

Recovered ft. of

Recovered ft. of

Recovered ft. of Ph:9 RW: .29 @ 61 Deg Price Job

Recovered ft. of Chlorides: 26000 PPM Other Charges

Remarks: Insurance

TOOL SAMPLE: 1%O 89% W 10% M Total

Time Set Packer(s) 2:54 AM A.M. P.M. Time Started Off Bottom 5:24 AM A.M. P.M. Maximum Temperature 104

Initial Hydrostatic Pressure..... (A) 1528 P.S.I.

Initial Flow Period..... Minutes 30 (B) 12 P.S.I. to (C) 40 P.S.I.

Initial Closed In Period..... Minutes 30 (D) 706 P.S.I.

Final Flow Period..... Minutes 45 (E) 43 P.S.I. to (F) 73 P.S.I.

Final Closed In Period..... Minutes 45 (G) 685 P.S.I.

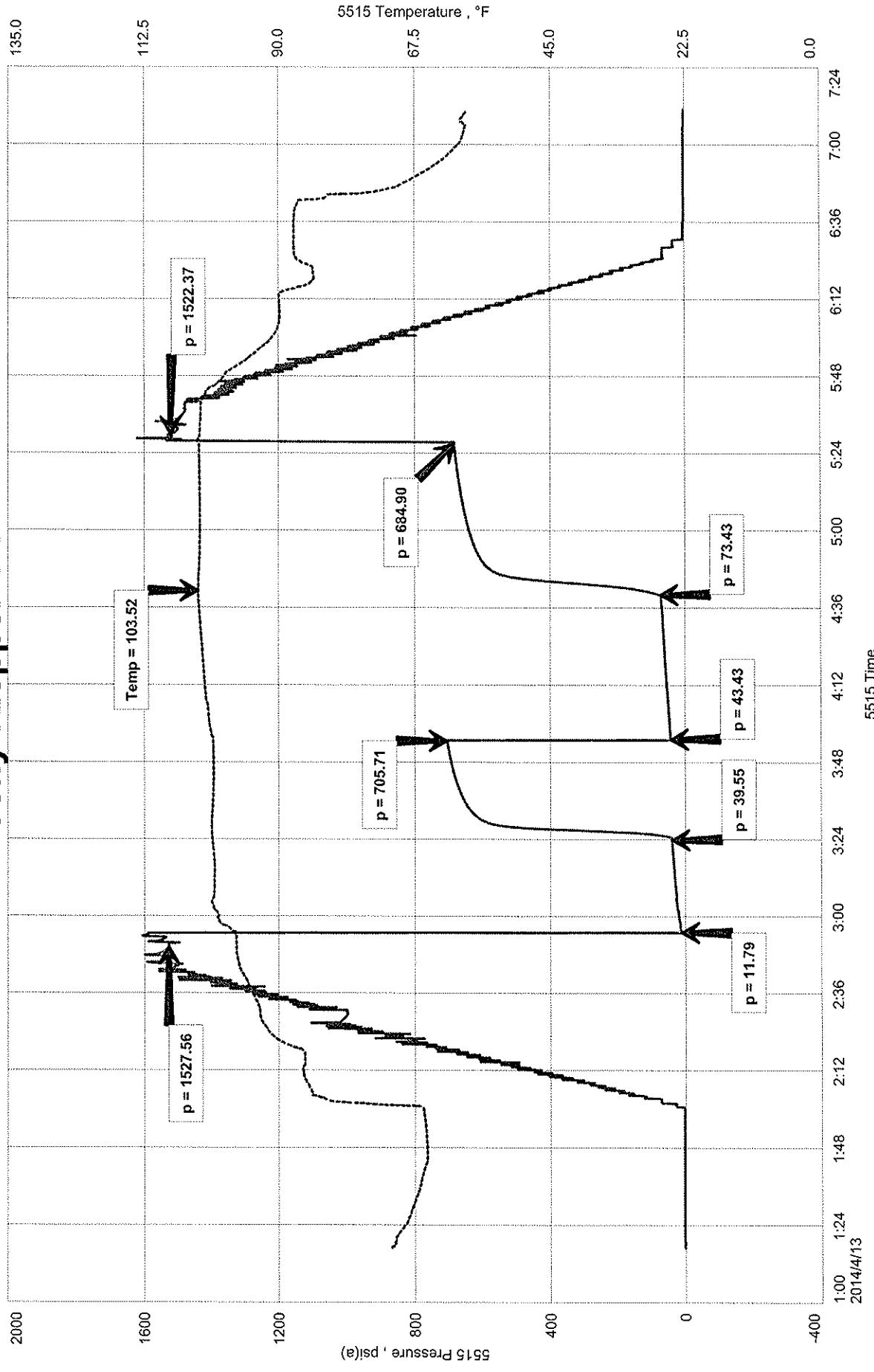
Final Hydrostatic Pressure..... (H) 1522 P.S.I.

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.

K & N Petroleum
Dst 3 LKC "HJ" (3228-3310)
Start Test Date: 2014/04/13
Final Test Date: 2014/04/13

Formation: Dst 3 LKC "HJ" (3228-3310)
Tony Klepper 4-1
Pool: Infield
Job Number: RR023

Tony Klepper 4-1



Diamond Testing

General information Report

General Information

Company Name K & N Petroleum

Contact	Ed Nemrich	Job Number	RR023
Well Name	Tony Keppler 4-1	Representative	Ricky Ray
Unique Well ID	Dst 3 LKC "HIJ" (3228-3310)	Well Operator	K & N Petroleum
Surface Location	Sec: 4s-19s-11r (Barton County)	Report Date	2014/04/13
Well License Number		Prepared By	Ricky Ray
Field	unknown		
Well Type	Vertical		

Test Type	Drill Stem Test		
Formation	Dst 3 LKC "HIJ" (3228-3310)		
Well Fluid Type	01 Oil	Start Test Time	01:17:00
Start Test Date	2014/04/13	Final Test Time	07:11:00
Final Test Date	2014/04/13		
Gauge Name	5515		
Gauge Serial Number			

Test Results

Recovery:

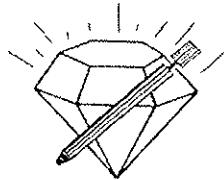
129'	HWCM	65% w	35% M
129'	Total Fluid		

Ph: 9

RW: .29 @ 61 Deg

Chlorides: 26000 PPM

Tool Sample: 1%O 89%W 10%M



DIAMOND TESTING

P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: Tony Klepper 4-1 Dst 4

TIME ON: 4-13 19:57

TIME OFF: 4-14 03:20

Company K & N Petroleum

Lease & Well No. Tony Klepper 4-1

Contractor Southwind Drilling Rig 6

Charge to K & N Petroleum

Elevation KB 1797 Formation Penn Cong Effective Pay Ft. Ticket No. SO443

Date 04/13/2014 Sec. 4 Twp. 19 S Range 11 W County Barton State KANSAS

Test Approved By Diamond Representative Jacob McCallie

Formation Test No. 4 Interval Tested from 3330 ft. to 3423 ft. Total Depth 3423 ft.

Packer Depth 3325 ft. Size 6 3/4 in. Packer depth ft. Size 6 3/4 in.

Packer Depth 3330 ft. Size 6 3/4 in. Packer depth -- ft. Size 6 3/4 in.

Depth of Selective Zone Set

Top Recorder Depth (Inside) 3311 ft. Recorder Number 5515 Cap. 5,000 P.S.I.

Bottom Recorder Depth (Outside) 3396 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 48 Drill Collar Length -- ft. I.D. 2 1/4 in.

Weight 9.4 Water Loss 10.4 cc. Weight Pipe Length -- ft. I.D. 2 7/8 in

Chlorides 9,000 P.P.M. Drill Pipe Length 3297 ft. I.D. 3 1/2 in

Jars: Make STERLING Serial Number 4 Test Tool Length 33 ft. Tool Size 3 1/2-IF in

Did Well Flow? NA Reversed Out NA Anchor Length 93 (30.5a) 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: 1/4" Blow- Built to 2 1/4" in 30 min NOBB

2nd Open: WSB- Built to 3/4" in 45 min NOBB

Recovered 30 ft. of SLWCM 2% W 98% M (few oil specks)

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of Price Job

Recovered ft. of Other Charges

Remarks: Insurance

TOOL SAMPLE: 3% W 97% M (few oil specks) Total

Time Set Packer(s) 4-13 10:34 PM A.M. Time Started Off Bottom 4-14 1:34 AM A.M. Maximum Temperature 103

Initial Hydrostatic Pressure..... (A) 1591 P.S.I.

Initial Flow Period..... Minutes 30 (B) 14 P.S.I. to (C) 21 P.S.I.

Initial Closed In Period..... Minutes 45 (D) 708 P.S.I.

Final Flow Period..... Minutes 45 (E) 20 P.S.I. to (F) 24 P.S.I.

Final Closed In Period..... Minutes 60 (G) 564 P.S.I.

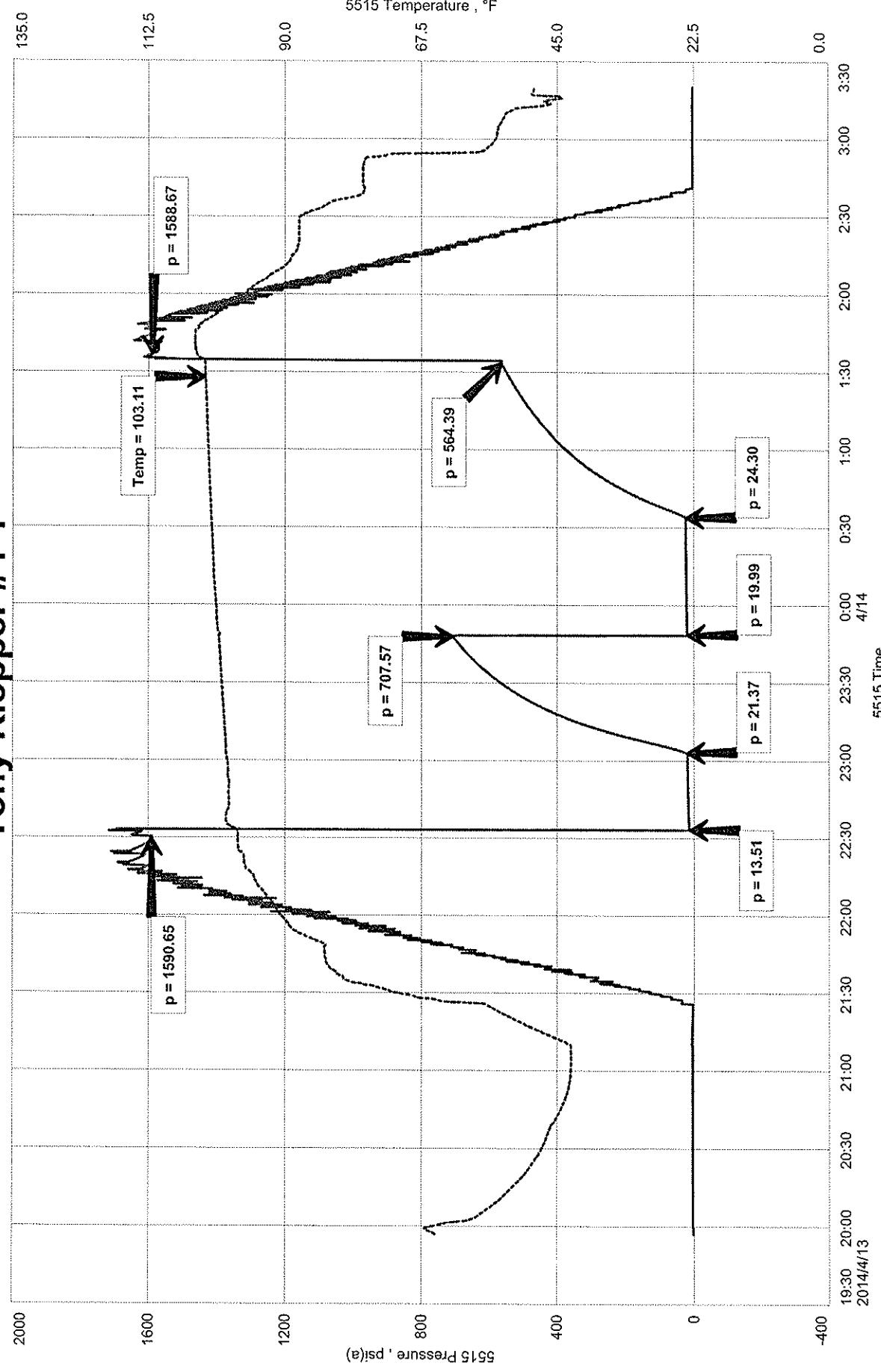
Final Hydrostatic Pressure..... (H) 1589 P.S.I.

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.

K & N Petroleum
DST #4 Penn Cong 3330-3423'
Start Test Date: 2014/04/13
Final Test Date: 2014/04/14

Tony Klepper #4-1

Tony Klepper #4-1
Formation: DST #4 Penn Cong 3330-3423'
Pool: Infield
Job Number: S0443



Diamond Testing

General information Report

General Information

Company Name K & N Petroleum

Contact	Ed Nemnich		
Well Name	Tony Klepper #4-1	Job Number	S0443
Unique Well ID	DST #4 Penn Cong 3330-3423'	Representative	Jacob McCallie
Surface Location	SEC 4-19S-11W Baron County	Well Operator	K & N Petroleum
Well License Number		Report Date	2014/04/13
Field	Unknown	Prepared By	Jacob McCallie
Well Type	Vertical		

Test Type	Drill Stem Test		
Formation	DST #4 Penn Cong 3330-3423'		
Well Fluid Type	01 Oil	Start Test Time	19:57:00
		Final Test Time	03:20:00
Start Test Date	2014/04/13		
Final Test Date	2014/04/14		
Gauge Name	5515		
Gauge Serial Number			

Test Results

RECOVERY:
30' SLWCM 2% W 98% M (few oil specks)

TOOL SAMPLE:
3% W 97% M (few oil specks)



PETROLEUM
CORPORATION
Glenville, Kansas

NOTES

Company: K&N Petroleum, Inc

Lease: Tony Klepper #4-1

Field: None

Location: NW-SW-SE-SE (558' FSL & 1215' FEL)

Sec: 4 Twsp: 19S Rge: 11W

County: Barton State: Kansas

KB: 1797' GL: 1790'

API #: 15-009-25962-00-00

Contractor: Southwind Drilling Inc. (Rig #6)

Spud: 4/07/2014 Comp: 4/14/2014

RTD: 3475' LTD: 3474'

Mud Up: 2600' Type Mud: Chemical

Samples Saved From: 2700' to RTD

Drilling Time Kept From: 2700' to RTD

Samples Examined From: 2700' to RTD

Geological Supervision from: 2700' to RTD

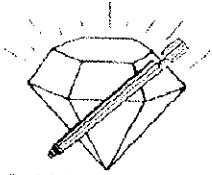
Geologist on Well: Wyatt Urban

Surface Casing: 8 5/8@368'

Electronic Surveys: Logged by Pioneer Energy Services: DIL/MEL/BHCS/CNL/DNL

K&N Petroleum, Inc. Well Comparison

K&N Petroleum- T. Klepper 4-11 NW-SW-SE-SE 4-19S-11W				Henderson Oil Co. - #1 Klepper SW-SW-SE 4-19S-11W				Alva Oil Corp- Musenberg 1 C-SW-SW-SW 3-19S-11W			
Formation	Sample	1797 KB		1776 KB		Structural Relationship		1788 KB		Structural Relationship	
		Sub-Sea	Log	Sub-Sea	Log	Sample	Log	Sub-Sea	Log	Sample	Log
Top Anhydrite	604	1193	600	1197	585	1191	-2	6			
Heebner	2958	-1161	2959	-1162	2957	-1181	20	19	2954	-1166	5
Toronto	2978	-1181	2975	-1178					2975	-1187	6
Douglas	2989	-1192	2990	-1193							9
Brown Lime	3081	-1284	3080	-1283							
Lansing	3094	-1297	3096	-1299	3095	-1319	22	20	3087	-1299	2
BKC	3358	-1561	3358	-1561					3354	-1566	5
Cong. Sd.	3386	-1589	3376	-1579							5
Arbuckle	3412	-1615	3406	-1609	3392	-1616	1	7	3400	-1612	-3
RTD	3495	-1698	3495	-1698	3411	-1635	-63	-63	3900	-2112	414
LTD	3474	-1677	3474	-1677					3898	-2110	433



DIAMOND TESTING

P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313

TIME ON 02:30

TIME OFF 07:11

DRILL-STEM TEST TICKET

FILE: Tony Klepper 4-1 Dst 3

Company K & N Petroleum

Contractor Southwind Drilling Rig 6

Elevation KB 1797 Formation LKC "HJ" Effective Pay Ft. Ticket No. RR023

Date 04/13/2014 Sec. 4 Twp 19 S Range 11 W County Barton State KANSAS

Test Approved By Diamond Representative Ricky Ray

Formation Test No. 3 Interval Tested from 3228 ft. to 3310 ft. Total Depth 3310 ft.

Packer Depth 3223 ft. Size 6 3/4 in. Packer depth ft. Size 6 3/4 in.

Packer Depth 3228 ft. Size 6 3/4 in. Packer depth -- ft. Size 6 3/4 in.

Depth of Selective Zone Set

Top Recorder Depth (Inside) 3308 ft. Recorder Number 5515 Cap 5,000 P.S.I.

Bottom Recorder Depth (Outside) 3296 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 44 Drill Collar Length -- ft. I.D. 2 1/4 in.

Weight 9.2 Water Loss 10.8 cc. Weight Pipe Length -- ft. I.D. 2 7/8 in.

Chlorides 6000 P.P.M. Drill Pipe Length 3195 ft. I.D. 3 1/2 in.

Jars. Make STERLING Serial Number 4 Test Tool Length 33 ft. Tool Size 3 1/2-IF in

Did Well Flow? NA Reversed Out NA Anchor Length 82A (19.5P) 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: 1/4" Blow Built to 6 1/4 in 30 mins NOBB

2nd Open: WSB Built to 6 1/4 in 45 min NOBB

Recovered 129 ft. of HWCM 65%W 35% M

Recovered 129 ft. of Total Fluid

Recovered ft. of

Recovered ft. of

Recovered ft. of Ph:9 RW: .29 @ 61 Deg

Price Job

Recovered ft. of Chlorides: 26000 PPM

Other Charges

Remarks:

Insurance

TOOL SAMPLE: 1%O 89% W 10% M

Total

Time Set Packer(s) 2:54 AM A.M. P.M. Time Started Off Bottom 5:24 AM A.M. P.M. Maximum Temperature 104

Initial Hydrostatic Pressure (A) 1528 P.S.I.

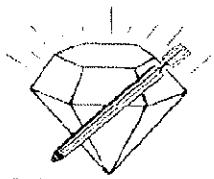
Initial Flow Period Minutes 30 (B) 12 P.S.I. to (C) 40 P.S.I.

Initial Closed In Period Minutes 30 (D) 706 P.S.I.

Final Flow Period Minutes 45 (E) 43 P.S.I. to (F) 73 P.S.I.

Final Closed In Period Minutes 45 (G) 685 P.S.I.

Final Hydrostatic Pressure (H) 1522 P.S.I.



DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: Tony Klepper 4-1 Dst 2

TIME ON: 02:30

TIME OFF: 08:41

Company: K & N Petroleum Lease & Well No: Tony Klepper 4-1

Contractor: Southwind Drilling Rig 6 Charge to: K & N Petroleum

Elevation: KB 1797 Formation: Doug/Snd & Lan "A-C" Effective Pay: Ft. Ticket No: RR022

Date: 04/12/2014 Sec: 4 Twp: 19 S Range: 11 W County: Barton State: KANSAS

Test Approved By: Diamond Representative: Ricky Ray

Formation Test No: 2 Interval Tested from: 2986 ft. to: 3135 ft. Total Depth: 3135 ft.

Packer Depth: 2981 ft. Size: 6 3/4 in. Packer depth: ft. Size: 6 3/4 in.

Packer Depth: 2986 ft. Size: 6 3/4 in. Packer depth: -- ft. Size: 6 3/4 in.

Depth of Selective Zone Set:

Top Recorder Depth (Inside): 2966 ft. Recorder Number: 5515 Cap: 5,000 P.S.I.

Bottom Recorder Depth (Outside): 3112 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: 45 Drill Collar Length: -- ft. I.D.: 2 1/4 in.

Weight: 9.2 Water Loss: 8.8 cc Weight Pipe Length: -- ft. I.D.: 2 7/8 in.

Chlorides: 4000 P.P.M. Drill Pipe Length: 2953 ft. I.D.: 3 1/2 in.

Jars: Make: STERLING Serial Number: 4 Test Tool Length: 33 ft. Tool Size: 3 1/2-IF in

Did Well Flow?: NA Reversed Out: NA Anchor Length: 149A (24P) ft. Size: 4 1/2-FH in

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

Blow: 1st Open: 1/4" Blow Built to 2 1/4" in 30 mins NOBB

2nd Open: 1/4" Blow Built to 1 1/4" in 45 mins NOBB

Recovered: 39 ft. of MUD 100% M (few oil specks)

Recovered: ft. of

Recovered: ft. of

Recovered: ft. of PH: 9

Recovered: ft. of RW: .36 @ 61 degrees F Price Job

Recovered: ft. of CHLORIDES: 20,000 ppm Other Charges

Remarks:

TOOL SAMPLE: 1% O 25% W 74% M Total

Time Set Packer(s): 4:12 AM A.M. P.M. Time Started Off Bottom: 6:42 AM A.M. P.M. Maximum Temperature: 97

Initial Hydrostatic Pressure: (A) 1403 P.S.I.

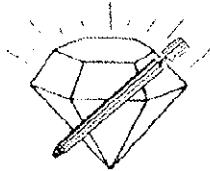
Initial Flow Period: Minutes: 30 (B) 11 P.S.I. to (C) 20 P.S.I.

Initial Closed In Period: Minutes: 30 (D) 624 P.S.I.

Final Flow Period: Minutes: 45 (E) 22 P.S.I. to (F) 29 P.S.I.

Final Closed In Period: Minutes: 45 (G) 588 P.S.I.

Final Hydrostatic Pressure: (H) 1393 P.S.I.

**DIAMOND TESTING**

P.O Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313

TIME ON 4-13 19:57

TIME OFF 4-14 03:20

DRILL-STEM TEST TICKET
FILE: Tony Klepper 4-1 Dst 4Company **K & N Petroleum**Lease & Well No. **Tony Klepper 4-1**Contractor **Southwind Drilling Rig 6**Charge to **K & N Petroleum**Elevation **KB 1797**

Formation

Penn Cong

Effective Pay

Ft

Ticket No. **SO443**Date **04/13/2014**

Sec

19 S Range

11 W County

Barton

State

KANSAS

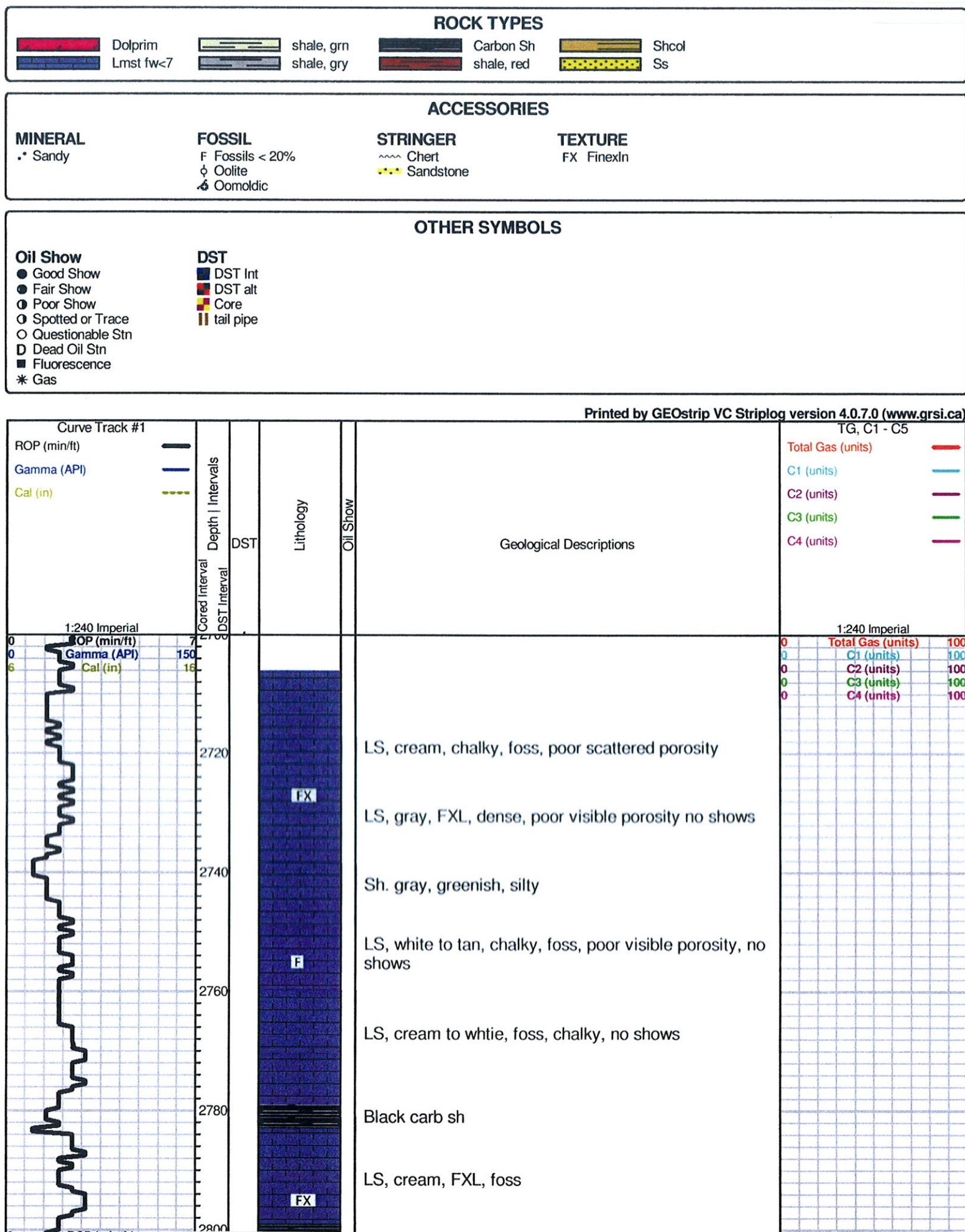
Test Approved By

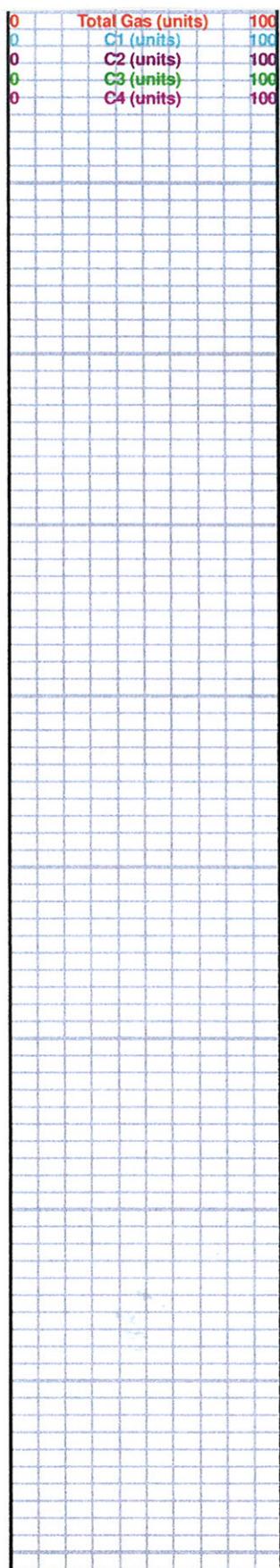
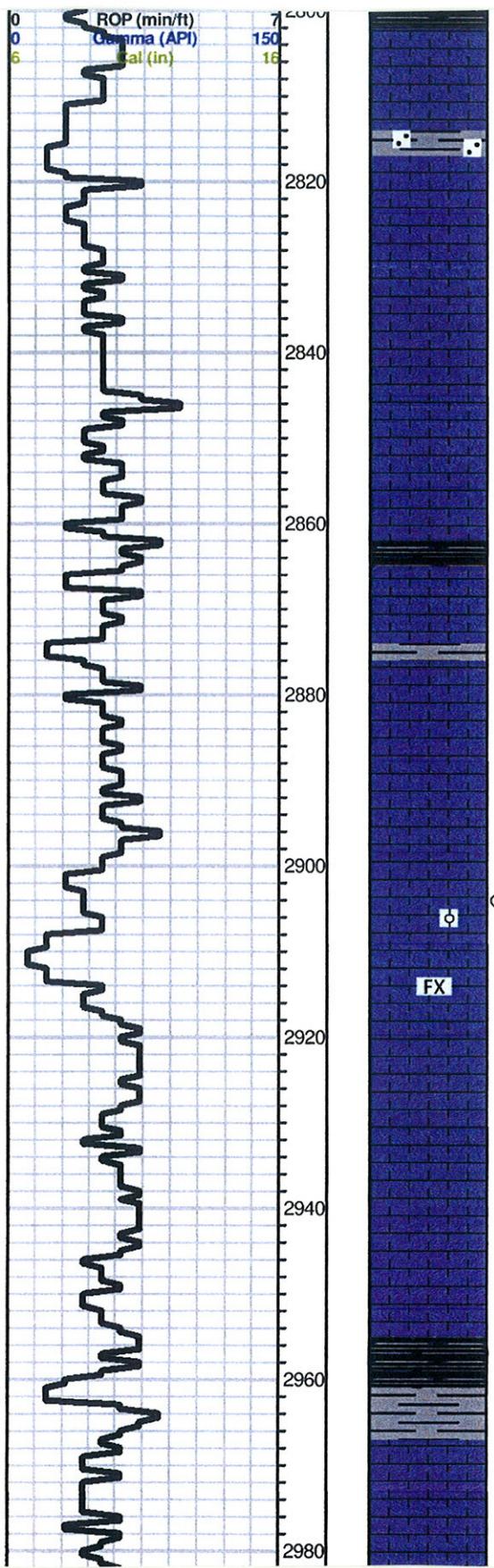
Diamond Representative

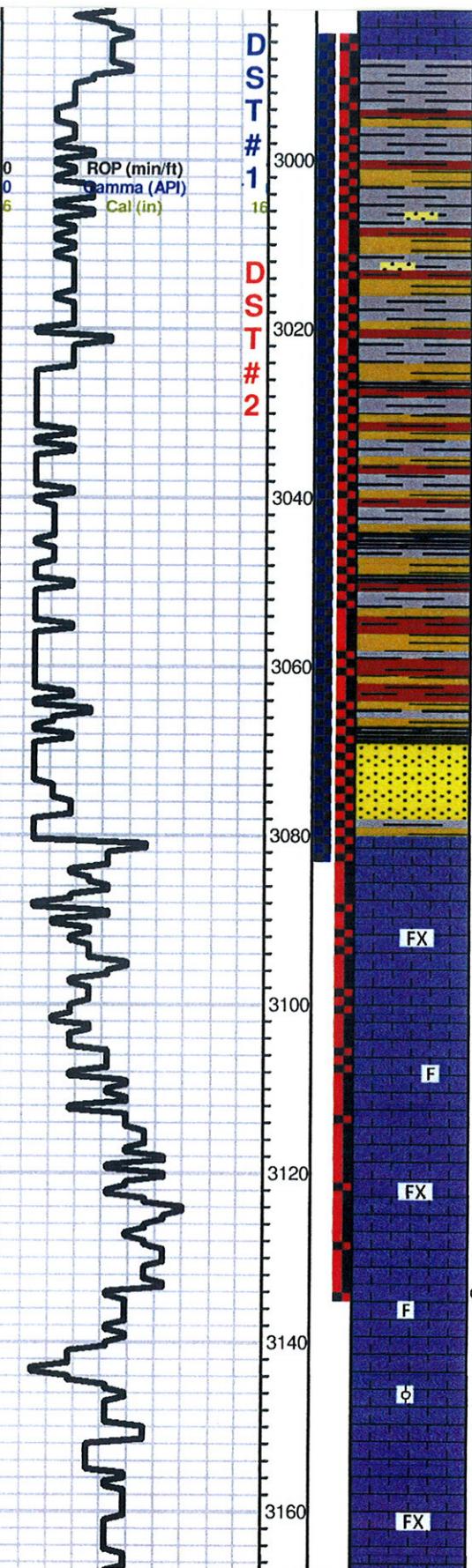
Jacob McCallieFormation Test No. **4** Interval Tested from **3330 ft. to 3423 ft.** Total Depth **3423 ft.**Packer Depth **3325 ft.** Size **6 3/4 in.** Packer depth **ft.** Size **6 3/4 in.**Packer Depth **3330 ft.** Size **6 3/4 in.** Packer depth **ft.** Size **6 3/4 in.**

Depth of Selective Zone Set

Top Recorder Depth (Inside) **3311 ft.** Recorder Number **5515** Cap. **5,000 P.S.I.**Bottom Recorder Depth (Outside) **3396 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 **48** Drill Collar Length **ft.** I.D. **2 1/4 in.**Weight **9.4** Water Loss **10.4 cc.** Weight Pipe Length **ft.** I.D. **2 7/8 in.**Chondes **9,000 P.P.M.** Drill Pipe Length **3297 ft.** I.D. **3 1/2 in.**Jars: Make **STERLING** Serial Number **4** Test Tool Length **33 ft.** Tool Size **3 1/2-IF in**Did Well Flow? **NA** Reversed Out **NA** Anchor Length **93 (30.5a) 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: **1/4" Blow- Built to 2 1/4" in 30 min** NOBB2nd Open: **WSB- Built to 3/4" in 45 min** NOBBRecovered **30 ft. of SLWCM** 2% W 98% M (few oil specks)Recovered **ft. of**Recovered **ft. of**Recovered **ft. of**Recovered **ft. of**Recovered **ft. of**Remarks: **Total:****TOOL SAMPLE: 3% W 97% M (few oil specks)**Time Set Packer(s) **4-13 10:34 PM** A.M. P.M. Time Started Off Bottom **4-14 1:34 AM** A.M. P.M. Maximum Temperature **103**Initial Hydrostatic Pressure **(A)** **1591 P.S.I.**Initial Flow Period **Minutes** **30 (B)** **14 P.S.I. to (C)** **21 P.S.I.**Initial Closed In Period **Minutes** **45 (D)** **708 P.S.I.**Final Flow Period **Minutes** **45 (E)** **20 P.S.I. to (F)** **24 P.S.I.**Final Closed In Period **Minutes** **60 (G)** **564 P.S.I.**Final Hydrostatic Pressure **(H)** **1589 P.S.I.**







Douglas 2989 (-1192)

Sh. maroon, gray, greenish, silty

Sd. gray, f. grain, well sorted, no shows

Sh. maroon, gray, greenish

Sh. maroon gray, greenish,

Sh. gray, silty, maroon, greenish, waxy

Sd. gray , F. grain, well sorted, SFO, strong odor,

BROWN LIME 3081 (-1284)

LS, tan to brown, FXL, cherty, dense, poor visible porosity, no shows

LANSING 3094 (-1297)

LS, cream to white, FXL, dense, poor visible porosity, foss, no shows

LS, cream, FXL, dense, poor visible porosity, cherty in parts, trc. brn stain, NSFO, no odor

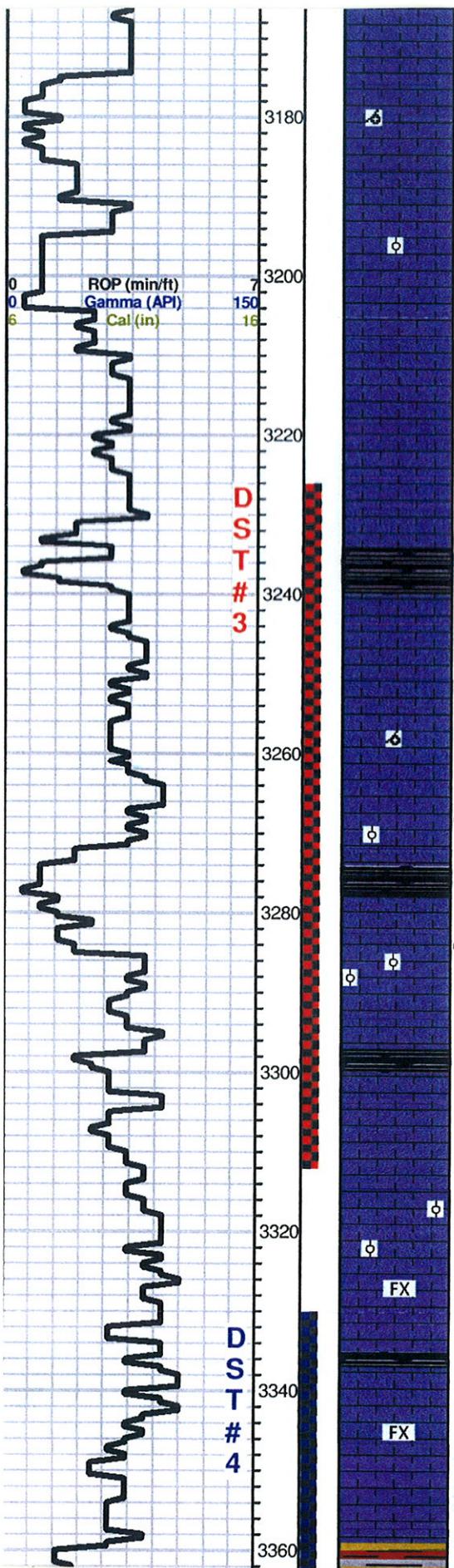
LS, cream to white, FXL, chalky in pts, trc SFO, Lt. black stain, odor??

LS, white, ool, FXL, poor scattered porosity, cherty dense, no shows, no odor

LS, cream to tan, FXL,foss, few ool poorly developed, poor scattered porosity, no shows

DST #1 MISRUN

0	Total Gas (units)	100
0	C1 (units)	100
0	C2 (units)	100
0	C3 (units)	100
0	C4 (units)	100



LS, tan, oom, chalky, good vuggy porosity, barren

LS, tan, ool, fair oom vuggy porosity, chalky in parts, no shows

LS, tan to brown, FXL, poor scattered porosity, dns, Lt. trc. SFO, trc. black stain, no odor

Black carb Sh.

LS, tan, vuggy porosity, dense, no shows

LS, ool, FXL poor scattered porosity, foss, SFO, odor??? trc. brn stain

LS, tan to white, ool, FXL, dense, in parts, chalky vuggy porosity, Lt. brown stain, no odor, NSFO

SH. black, gray, greenish, silty

LS, cream to tan, FXL, ool, poorly developed, poor scattered porosity, no shows,

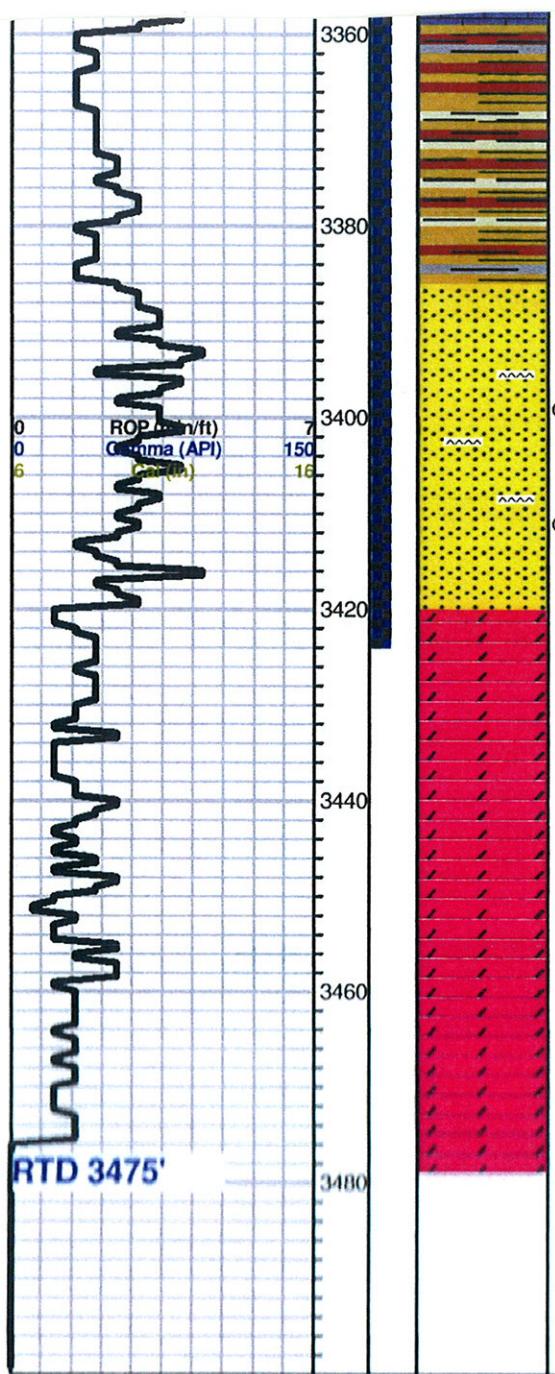
LS, cream to tan, FXL, poor visible porosity, cherty, no shows,

LS, cream to tan, FXL, dense, few foss, poor visible porosity, no shows

0	Total Gas (units)	100
0	C1 (units)	100
0	C2 (units)	100
0	C3 (units)	100
0	C4 (units)	100

CFS 20-40-60

BKC 3358 (-1561)



BKC 3358 (-1561)

Slug soft maroon sh.

Sh. maroon, greenish, gray, soft

Cong. Sd. 3386 (-1589)

Sh. maroon, greenish, trc. sd. white, well sorted, trc, black stain, NSFO

- Sd. gray to tan, sub rounded, F.grain, well sorted, no odor,
- Trc. chert, orange, rose, opaque ool chert
- Sd, white to cream V. F. grain, well sorted, Lt. SFO, no odor

ARBUCKLE 3412 (-1615)

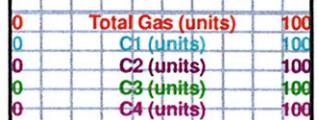
Dol. tan, FXL, suc. poor visible porosity, barren, no shows

Dol, tan, FXL, suc, poor visible porosity, no shows

Dol, tan, suc. FXL, dense, poor visible porosity, no shows

Dol, tan FXL, dense, poor visible porosity, no shows

CFS 20-40-60



CFS 20-40-60

CFS 20-40-60

CFS 20-40-60