

Confidentiality Requested:

Yes No

**KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION**

Form ACO-1

January 2018

Form must be Typed

Form must be Signed

All blanks must be Filled

**WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE**

OPERATOR: License # _____

Name: _____

Address 1: _____

Address 2: _____

City: _____ State: _____ Zip: _____ + _____

Contact Person: _____

Phone: (_____) _____

CONTRACTOR: License # _____

Name: _____

Wellsite Geologist: _____

Purchaser: _____

Designate Type of Completion:

New Well Re-Entry Workover

Oil WSW SWD

Gas DH EOR

OG GSW

CM (Coal Bed Methane)

Cathodic Other (Core, Expl., etc.): _____

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

Operator: _____

Well Name: _____

Original Comp. Date: _____ Original Total Depth: _____

Deepening Re-perf. Conv. to EOR Conv. to SWD

Plug Back Liner Conv. to GSW Conv. to Producer

Commingled Permit #: _____

Dual Completion Permit #: _____

SWD Permit #: _____

EOR Permit #: _____

GSW Permit #: _____

Spud Date or Date Reached TD Completion Date or Recompletion Date

API No.: _____

Spot Description: _____

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

_____ Feet from North / South Line of Section

_____ Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

NE NW SE SW

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

Datum: NAD27 NAD83 WGS84

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Vertical Depth: _____ Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: _____ Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set: _____ Feet

If Alternate II completion, cement circulated from: _____

feet depth to: _____ w/ _____ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: _____ ppm Fluid volume: _____ bbls

Dewatering method used: _____

Location of fluid disposal if hauled offsite:

Operator Name: _____

Lease Name: _____ License #: _____

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

County: _____ Permit #: _____

AFFIDAVIT

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

Submitted Electronically

KCC Office Use ONLY

Confidentiality Requested

Date: _____

Confidential Release Date: _____

Wireline Log Received Drill Stem Tests Received

Geologist Report / Mud Logs Received

UIC Distribution

ALT I II III Approved by: _____ Date: _____

Operator Name: _____ Lease Name: _____ Well #: _____

Sec. _____ Twp. _____ S. R. _____ East West County: _____

INSTRUCTIONS: Show important tops of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

Drill Stem Tests Taken <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No Geologist Report / Mud Logs <input type="checkbox"/> Yes <input type="checkbox"/> No List All E. Logs Run:	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum
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CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives

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

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

Date of first Production/Injection or Resumed Production/Injection:	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____			
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio Gravity

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <i>(Submit ACO-4)</i>	PRODUCTION INTERVAL: Top Bottom
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Shots Per Foot	Perforation Top	Perforation Bottom	Bridge Plug Type	Bridge Plug Set At	Acid, Fracture, Shot, Cementing Squeeze Record <i>(Amount and Kind of Material Used)</i>

TUBING RECORD:	Size:	Set At:	Packer At:	
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Form	ACO1 - Well Completion
Operator	K & N Petroleum, Inc.
Well Name	SCHLESSIGER 6
Doc ID	1471555

All Electric Logs Run

Dual Induction Log
Micro Log
Sonic Log
Compensated Density/Neutron Log
Cement Bond Log

Form	ACO1 - Well Completion
Operator	K & N Petroleum, Inc.
Well Name	SCHLESSIGER 6
Doc ID	1471555

Tops

Name	Top	Datum
Anhydrite	777	+1120
B. Anhydrite	803	+1094
Heebner	3014	-1117
Toronto	3031	-1134
Douglas	3043	-1146
Brown Lime	3105	-1208
Lansing	3121	-1224
BKC	3361	-1464
Arbuckle	3366	-1469



TREATMENT REPORT

Acid Stage No. _____

Date 8/20/2019 District GB F.O. No. C47133
 Company K&N Petroleum
 Well Name & No. Schlessiger #6
 Location _____ Field _____
 County Barton State KS

Type Treatment: Amt. Type Fluid Sand Size POU
 Bkdown _____ Bbl./Gal. _____
 _____ Bbl./Gal. _____
 _____ Bbl./Gal. _____
 _____ Bbl./Gal. _____
 Flush _____ Bbl./Gal. _____

Casing: Size 5.5" Type & Wt. New 14# Set at _____ ft.
 Formation: _____ Perf. _____ to _____
 Formation: _____ Perf. _____ to _____
 Formation: _____ Perf. _____ to _____
 Liner: Size _____ Type & Wt. _____ Top at _____ ft. Bottom at _____ ft.
 Cemented: Perforated from _____ ft. to _____ ft.
 Tubing: Size & Wt. _____ Swung at _____ ft.
 Perforated from _____ ft. to _____ ft.

Treated from _____ ft. to _____ ft. No. ft.
 from _____ ft. to _____ ft. No. ft.
 from _____ ft. to _____ ft. No. ft.

Actual Volume of Oil / Water to Load Hole: _____
 Pump Trucks. No. Used: Std. 365 Sp. _____ Twin
 Auxiliary Equipment 367/310
 Personnel Nathan-Greg-Clarence
 Auxiliary Tools _____
 Plugging or Sealing Materials: Type _____ Gals. _____

Open Hole Size _____ T.D. _____ ft. P.B. to _____ ft.

Company Representative Ed/Kyle Treater Nathan W.

TIME	PRESSURES		Total Fluid Pumped	REMARKS
	Tubing	Casing		
3:30		5.5"		On Location. Rig laying down collars.
				TD-3450' Centralizers-1,3,5,7,9
				Pipe-3448' Baskets-2,4
				Baffle-3433'
				Tag bottom and set pipe 2' off bottom.
				Break circulation with mud pump. Circulate for 1 hour.
				Pump 600gal Mud flush.
				Plug Rat Hole with 30sks and Mouse Hole with 20sks.
				Mix 200sks 60/40poz 2%gel .25%C-12 .75%C-37 .75%C41p 12% Salt 5#/sk Gilsonite.
				Wash out pump and lines.
9:30				Displace with 83.7bbls at 6.25bpm-700# Plug landed at 1000# Release pressure. Float Held.



Musgrove

Petroleum Geology
212 Main Street, Claflin KS

GEOLOGIST'S REPORT

DRILLING TIME AND SAMPLE LOG

COMPANY K&N Petroleum, Inc
 LEASE Schlessiger #6
 FIELD Finger
 LOCATION SW-SE-NE-NE (385'FSL & 1535' FWL)
 SEC 7 TWSP 17S RGE 12W
 COUNTY Barton STATE Kansas
 CONTRACTOR Southwind Drilling co. (Rig #8)
 SPUD 08/14/2019 COMP 08/19/2019
 RTD 3450' LTD 3447'
 MUD UP 2609' TYPE MUD Chemical

ELEVATIONS
 KB 1897'
 DF _____
 GL 1887'
 Measurements Are All From KB
 CASING
 SURFACE 8 5/8"@393'
 PRODUCTION 5 1/2"@3449'
 ELECTRICAL SURVEYS
 ELI Wireline
 DUCP, MEL, DIL, CDL/CNL
 & SONIC

SAMPLES SAVED FROM 2700' TO RTD
 DRILLING TIME KEPT FROM 2700' TO RTD
 SAMPLES EXAMINED FROM 2700' TO RTD
 GEOLOGICAL SUPERVISION FROM 2850' TO RTD
 GEOLOGIST ON WELL Jim Musgrove

FORMATION TOPS	LOG	SAMPLES
Anhydrite	777 +1120	
B. Anhydrite	803 +1094	
Heebner	3014 -1117	
Toronto	3031 -1134	
Douglas	3043 -1146	
Brown lime	3105 -1208	
Lansing	3121 -1224	
BKC	3361 -146.4	
Arbuckle	3366 -146.9	
RTD	3450 -1553	
LTD	3447 -1550	

		7	
	X		

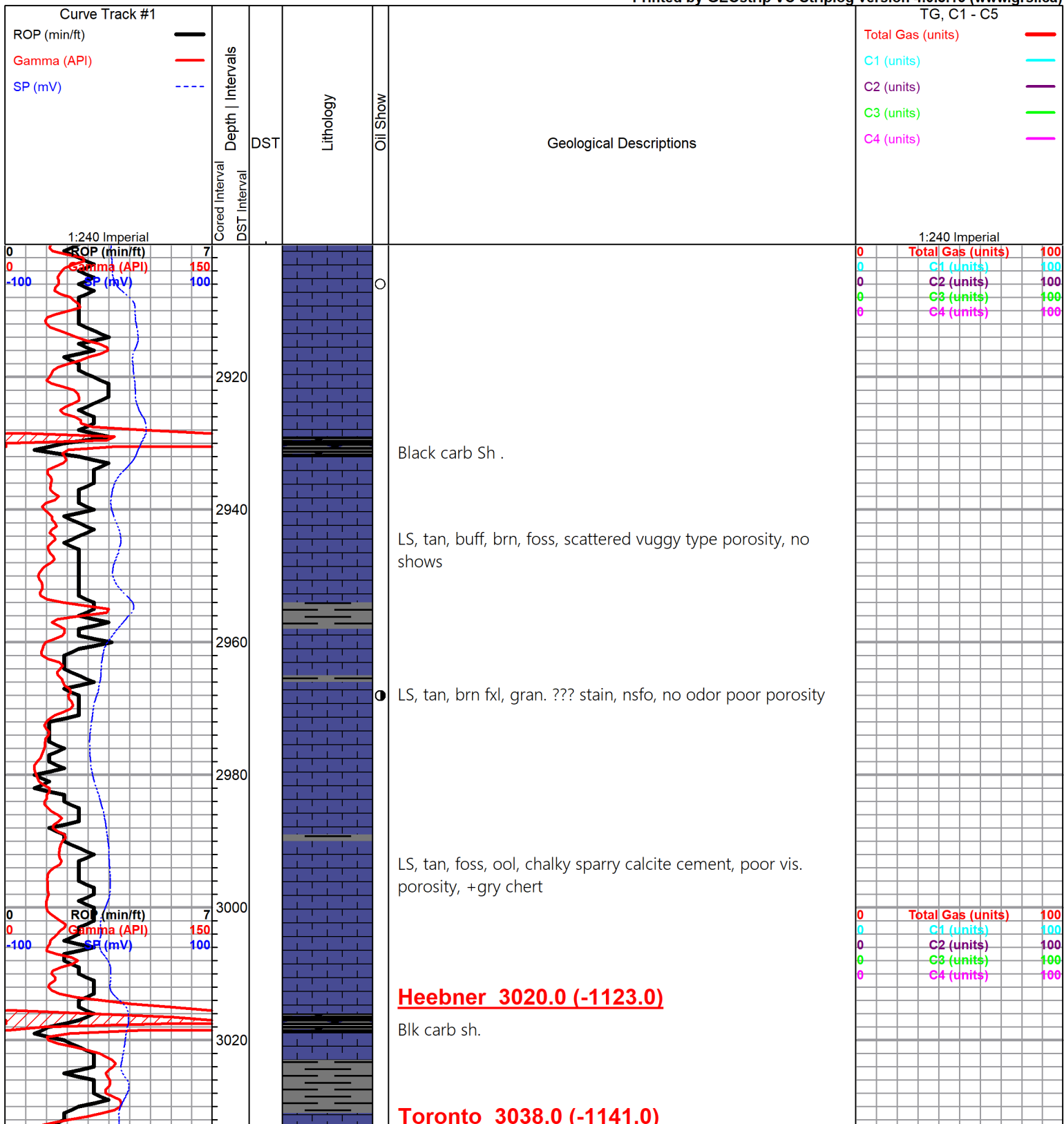
ROCK TYPES

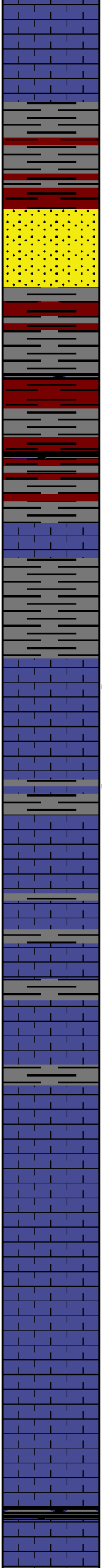
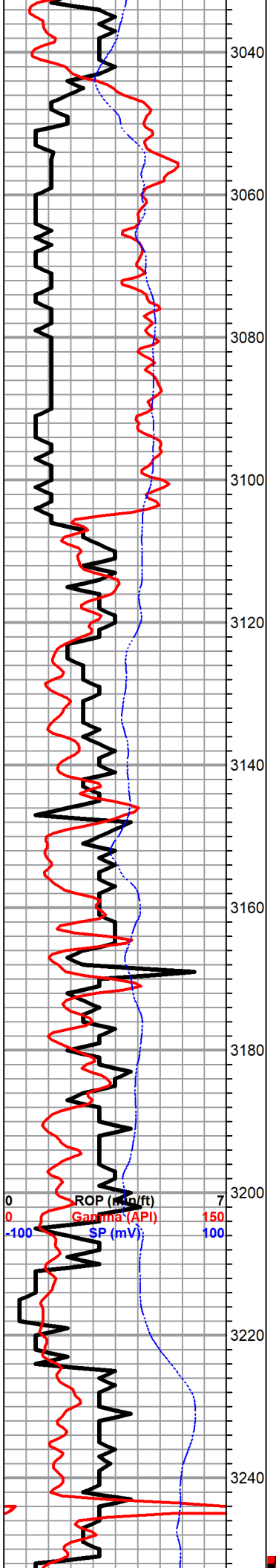


OTHER SYMBOLS

- Oil Show**
- Good Show
 - Fair Show
 - Poor Show
 - Spotted or Trace
 - Questionable Stn
 - D Dead Oil Stn
 - Fluorescence
 - * Gas
- DST**
- DST Int
 - DST alt
 - Core
 - tail pipe

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LS, white/ crm , chalky, poor vis. porosity

Douglas 3049.0 (-1152.0)

Sh, gry, rusty, brn, maroon

Sd., white, lime , green, vfg, mica, scattered porosity, no shows

Sh, & sand, a/a

Brown Lime 3110.0 (-1213.0)

LS, tan, gry, chalky, cherty (dense)

Sh, gry, silty soft

Lansing 3124.0 (-1227.0)

○ LS, white, cream, foss/ slightly ool, chalky, poor porosity, tr. blk stain , nsfo, no odor

○ LS, white, cream, foss, chalky, tr. poor brown spty stain , nsfo , no odor

LS, white, cream, gry, f- med xln , chalky, few foss, poor vis. porosity, no shows

LS, a/a no show

LS, tan, gry, foss, sl. cherty poor vis. porosity, no shows

LS, white, tan, oom, good oom, vuggy porosity, no shows

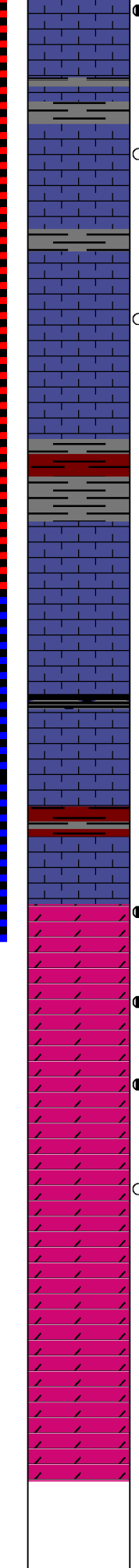
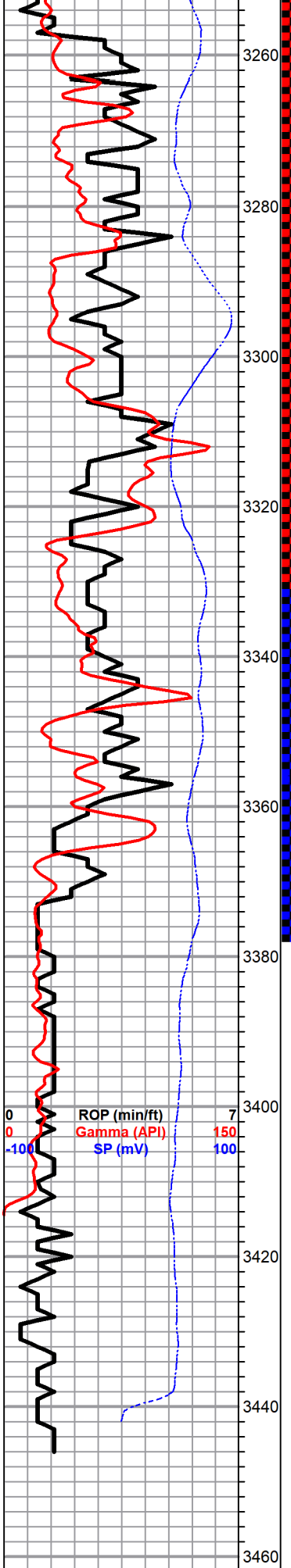
LS, white, gry, fxl, chalky, no shows

Sh, black carb

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

DST #1 3251-3330
45-30-45-45

1st Open:



LS, white, cream, ool, oom, scattered porosity, brn stain, sfo, faint odor

LS, white, gry, ool, scattered porosity, tr. brn stain, wk sfo, ??? odor

LS, gry, white, oolitic, sub oomoldic, cherty, tr. stain, tr. free oil, no odor

Sh, maroon, rusty, brn

LS, white, cream, chalky, dense

Tr. blk shale.

LS, gry, white, chalky in pt, dense.

BKC 3365.0 (-1466.0)

Slug maroon shale

Arbuckle 3371.0 (-1474.0)

Dol. white, crm, fxl, slightly suc. scattered fine vuggy / p.p. type porosity, golden brn stain, sfo, faint odor

Dol, white/ cream, med xln, good inxln por., fair stain/ sat. fair sfo, ft. odor

Dol. a/a, fair - good inxln por., brn / gry stain, sfo, ft. odor

Dol, white/ cream, med / coarse xln, good inxln / vuggy type por., gluc. in pt. tr. blk tarry stain, nsfo, no odor, +white chalk

Dol, white, cream, med / coarse- xln, good in -xln por,

Dol, a/a, good inxln por. + white chalk, tr., gry white chert, tr. pyrite, nsfo, no odor

RTD 3450.0 (-1553.0)

LTD 3447.0 (-1550.0)

Blow, fair (5.25 '')

2nd Open :
 Blow, Fair (7'')

Recovery:
 153' GIP
 1' Clean oil
 35' Heavily oil & gas cut mud
 (25%G, 35%O, 40 % M)

Pressures:
 ISIP 662 psi
 FSIP 931 psi
 IFP 9-16 psi
 FFP 17-25 psi
 HSH 1590-1589 psi

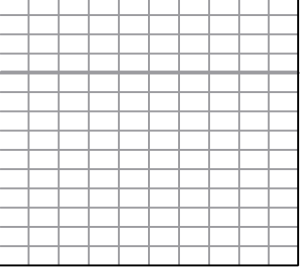
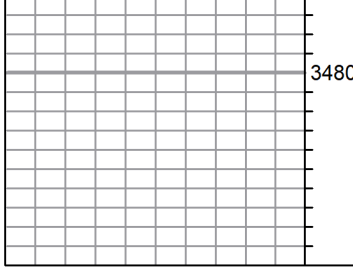
DST# 2 3251-3330
 45-30-45-45

1st Open:
 Fair (6.5'' blow)

2nd Open :
 Fair (5'' blow)

Recovery:
 25' GIP
 310 ' Clean Oil
 63' Muddy Oil
 (5%G, 50%O, 45% M)

Pressures:
 ISIP 1088 psi
 FSIP 1084 psi
 IFP 11-84 psi
 FFP 87-150 psi
 HSH 1614-1614 psi





Company: K & N Petroleum, Inc
Lease: Schlessiger #6

SEC: 7 TWN: 17S RNG: 12W
 County: BARTON
 State: Kansas
 Drilling Contractor: Southwind Drilling, Inc - Rig 8
 Elevation: 1887 GL
 Field Name: Finger
 Pool: Infield
 Job Number: 380
 API #: 15-009-26266-00-00

Operation:
 Well Complete

DATE
 August
18
 2019

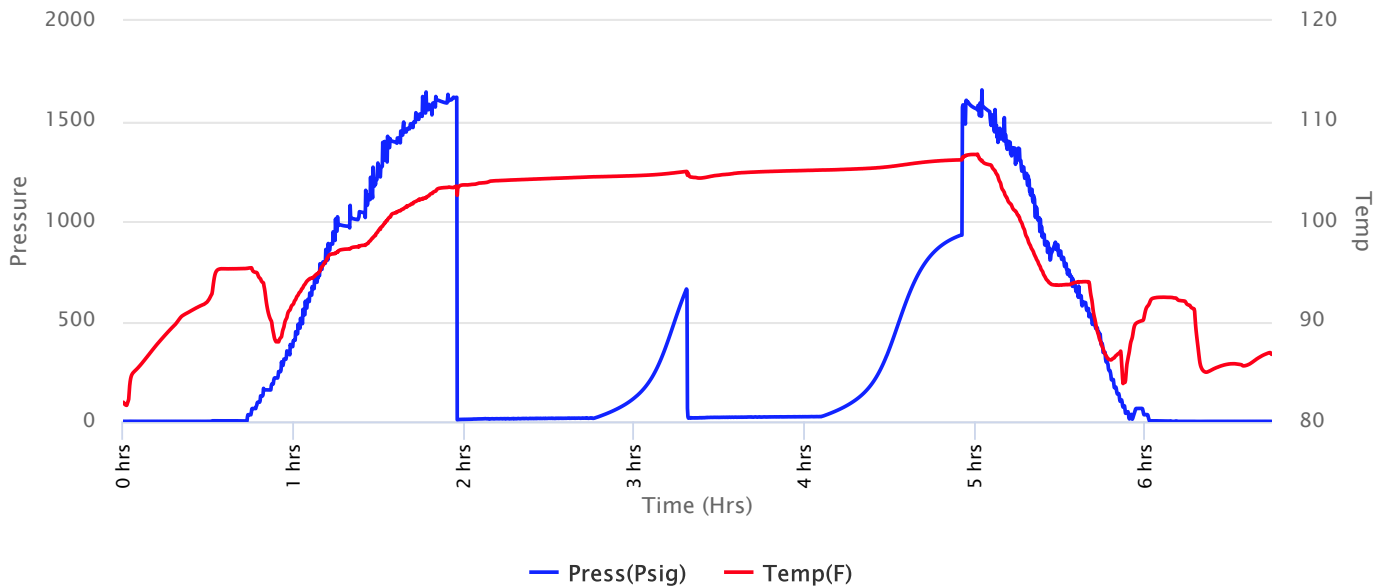
DST #1 Formation: Lans "H-J" Test Interval: 3251 - 3330' Total Depth: 3330'

Time On: 13:35 08/18 Time Off: 20:06 08/18
 Time On Bottom: 15:29 08/18 Time Off Bottom: 18:14 08/18

Electronic Volume Estimate:
 104'

<u>1st Open</u>	<u>1st Close</u>	<u>2nd Open</u>	<u>2nd Close</u>
Minutes: 45	Minutes: 30	Minutes: 45	Minutes: 45
Current Reading: 5.2" at 45 min	Current Reading: 0" at 30 min	Current Reading: 7.1" at 45 min	Current Reading: 0" at 45 min
Max Reading: 5.2"	Max Reading: 0"	Max Reading: 7.1"	Max Reading: 0"

Inside Recorder





Company: K & N Petroleum, Inc
Lease: Schlessiger #6

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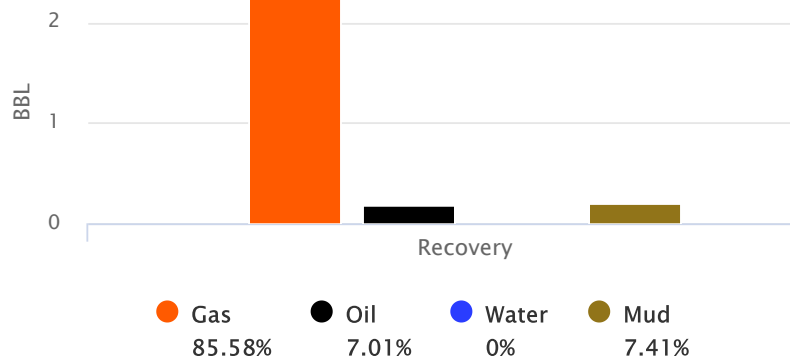
Recovered

Foot	BBLs	Description of Fluid	Gas %	Oil %	Water %	Mud %
153	2.17719	G	100	0	0	0
1	0.01423	O	0	100	0	0
35	0.49805	GCHOCM	25	35	0	40

Total Recovered: 189 ft
 Total Barrels Recovered: 2.68947

Reversed Out
 NO

Recovery at a glance



GIP cubic foot volume: 12.92291

Initial Hydrostatic Pressure	1590	PSI
Initial Flow	9 to 16	PSI
Initial Closed in Pressure	662	PSI
Final Flow Pressure	17 to 25	PSI
Final Closed in Pressure	931	PSI
Final Hydrostatic Pressure	1589	PSI
Temperature	107	°F
Pressure Change Initial Close / Final Close	0.0	%



Company: K & N Petroleum, Inc
Lease: Schlessiger #6

SEC: 7 TWN: 17S RNG: 12W
County: BARTON
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Inc - Rig 8
Elevation: 1887 GL
Field Name: Finger
Pool: Infield
Job Number: 380
API #: 15-009-26266-00-00

Operation:

Well Complete

DATE

August

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2019

DST #1	Formation: Lans "H- J"	Test Interval: 3251 - 3330'	Total Depth: 3330'
	Time On: 13:35 08/18	Time Off: 20:06 08/18	
	Time On Bottom: 15:29 08/18	Time Off Bottom: 18:14 08/18	

BUCKET MEASUREMENT:

1st Open: Weak, surface blow building to 5 1/4 ins. in 45 mins.

1st Close: No blow back.

2nd Open: 5 in. blow building to 7 ins. in 45 mins.

2nd Close: No blow back.

REMARKS:

Tool Sample: 0% Gas 100% Oil 0% Water 0% Mud



Company: K & N Petroleum, Inc
Lease: Schlessiger #6

SEC: 7 TWN: 17S RNG: 12W
 County: BARTON
 State: Kansas
 Drilling Contractor: Southwind Drilling, Inc - Rig 8
 Elevation: 1887 GL
 Field Name: Finger
 Pool: Infield
 Job Number: 380
 API #: 15-009-26266-00-00

Operation:
 Well Complete

DATE
 August
18
 2019

DST #1 **Formation: Lans "H-J"** **Test Interval: 3251 - 3330'** **Total Depth: 3330'**
 Time On: 13:35 08/18 Time Off: 20:06 08/18
 Time On Bottom: 15:29 08/18 Time Off Bottom: 18:14 08/18

Down Hole Makeup

Heads Up: 19.26 FT	Packer 1: 3245.91 FT
Drill Pipe: 3245.01 FT <i>ID-3 1/2</i>	Packer 2: 3250.91 FT
Weight Pipe: FT <i>ID-2 7/8</i>	Top Recorder: 3237.91 FT
Collars: 0 FT <i>ID-2 1/4</i>	Bottom Recorder: 3321 FT
Test Tool: 26.16 FT <i>ID-3 1/2-FH</i>	Well Bore Size: 7 7/8
Total Anchor: 79.09	Surface Choke: 1"
<u>Anchor Makeup</u>	Bottom Choke: 5/8"
Packer Sub: 1 FT	
Perforations: (top): 3 FT <i>4 1/2-FH</i>	
Change Over: .5 FT	
Drill Pipe: (in anchor): 63.59 FT <i>ID-3 1/2</i>	
Change Over: 1 FT	
Perforations: (below): 10 FT <i>4 1/2-FH</i>	



Company: K & N Petroleum, Inc
Lease: Schlessiger #6

SEC: 7 TWN: 17S RNG: 12W
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State: Kansas
Drilling Contractor: Southwind Drilling,
Inc - Rig 8
Elevation: 1887 GL
Field Name: Finger
Pool: Infield
Job Number: 380
API #: 15-009-26266-00-00

Operation:

Well Complete

DATE

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DST #1 Formation: Lans "H- J" Test Interval: 3251 - 3330' Total Depth: 3330'

Time On: 13:35 08/18 Time Off: 20:06 08/18

Time On Bottom: 15:29 08/18 Time Off Bottom: 18:14 08/18

Mud Properties

Mud Type: Chemical

Weight: 9.3

Viscosity: 49

Filtrate: 7.8

Chlorides: 4,300 ppm



Company: K & N Petroleum, Inc
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SEC: 7 TWN: 17S RNG: 12W
 County: BARTON
 State: Kansas
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 Inc - Rig 8
 Elevation: 1887 GL
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 Job Number: 380
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Operation:
 Well Complete

DATE
 August
18
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DST #1 **Formation: Lans "H-
 J"** **Test Interval: 3251 -
 3330'** **Total Depth: 3330'**
 Time On: 13:35 08/18 Time Off: 20:06 08/18
 Time On Bottom: 15:29 08/18 Time Off Bottom: 18:14 08/18

Gas Volume Report

1st Open

2nd Open

Time	Orifice	PSI	MCF/D
------	---------	-----	-------

Time	Orifice	PSI	MCF/D
------	---------	-----	-------



Company: K & N Petroleum, Inc
Lease: Schlessiger #6

SEC: 7 TWN: 17S RNG: 12W
 County: BARTON
 State: Kansas
 Drilling Contractor: Southwind Drilling, Inc - Rig 8
 Elevation: 1887 GL
 Field Name: Finger
 Pool: Infield
 Job Number: 380
 API #: 15-009-26266-00-00

Operation:
 Well Complete

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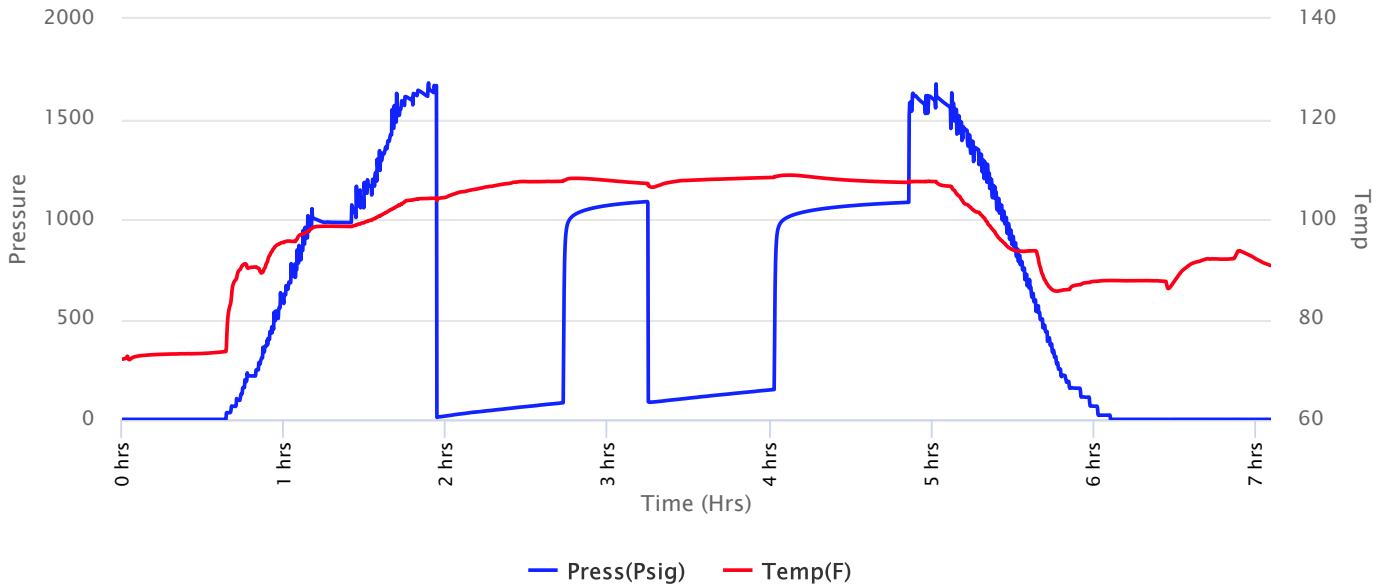
DST #2 Formation: Arbuckle Test Interval: 3340 - Total Depth: 3377'
3377'

Time On: 05:41 08/19 Time Off: 12:34 08/19
 Time On Bottom: 07:34 08/19 Time Off Bottom: 10:19 08/19

Electronic Volume Estimate:
 100'

<u>1st Open</u>	<u>1st Close</u>	<u>2nd Open</u>	<u>2nd Close</u>
Minutes: 45	Minutes: 30	Minutes: 45	Minutes: 45
Current Reading: 6.5" at 45 min	Current Reading: 0" at 30 min	Current Reading: 4.8" at 45 min	Current Reading: 0" at 45 min
Max Reading: 6.6"	Max Reading: 0"	Max Reading: 4.8"	Max Reading: 0"

Inside Recorder





Company: K & N Petroleum, Inc
Lease: Schlessiger #6

SEC: 7 TWN: 17S RNG: 12W
 County: BARTON
 State: Kansas
 Drilling Contractor: Southwind Drilling, Inc - Rig 8
 Elevation: 1887 GL
 Field Name: Finger
 Pool: Infield
 Job Number: 380
 API #: 15-009-26266-00-00

Operation:
 Well Complete

DATE
 August
19
 2019

DST #2 **Formation: Arbuckle** **Test Interval: 3340 - 3377'** **Total Depth: 3377'**
 Time On: 05:41 08/19 Time Off: 12:34 08/19
 Time On Bottom: 07:34 08/19 Time Off Bottom: 10:19 08/19

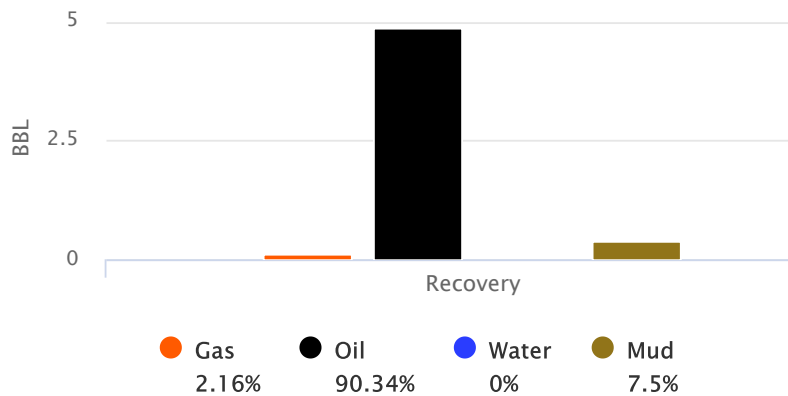
Recovered

Foot	BBLs	Description of Fluid	Gas %	Oil %	Water %	Mud %
5	0.07115	G	100	0	0	0
310	4.4113	O	0	100	0	0
63	0.89649	SLGCHMCO	5	50	0	45

Total Recovered: 378 ft
 Total Barrels Recovered: 5.37894

Reversed Out
 NO

Recovery at a glance



GIP cubic foot volume: 0.65114

Initial Hydrostatic Pressure	1614	PSI
Initial Flow	11 to 84	PSI
Initial Closed in Pressure	1088	PSI
Final Flow Pressure	87 to 150	PSI
Final Closed in Pressure	1084	PSI
Final Hydrostatic Pressure	1614	PSI
Temperature	109	°F
Pressure Change Initial Close / Final Close	0.3	%



Company: K & N Petroleum, Inc
Lease: Schlessiger #6

SEC: 7 TWN: 17S RNG: 12W
County: BARTON
State: Kansas
Drilling Contractor: Southwind Drilling,
Inc - Rig 8
Elevation: 1887 GL
Field Name: Finger
Pool: Infield
Job Number: 380
API #: 15-009-26266-00-00

Operation:

Well Complete

DATE

August

19

2019

DST #2 Formation: Arbuckle Test Interval: 3340 - Total Depth: 3377'
3377'

Time On: 05:41 08/19

Time Off: 12:34 08/19

Time On Bottom: 07:34 08/19

Time Off Bottom: 10:19 08/19

BUCKET MEASUREMENT:

1st Open: 1/4 in. blow building to 6 1/2 ins. in 45 mins.

1st Close: No blow back.

2nd Open: Weak, surface blow building to 4 3/4 ins. in 45 mins.

2nd Close: No blow back.

REMARKS:

Tool Sample: 2% Gas 50% Oil 0% Water 48% Mud

Gravity: 32.8 @ 60 °F



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Down Hole Makeup

Heads Up: 24.96 FT	Packer 1: 3335 FT
Drill Pipe: 3339.8 FT <i>ID-3 1/2</i>	Packer 2: 3340 FT
Weight Pipe: FT <i>ID-2 7/8</i>	Top Recorder: 3327 FT
Collars: 0 FT <i>ID-2 1/4</i>	Bottom Recorder: 3345 FT
Test Tool: 26.16 FT <i>ID-3 1/2-FH</i>	Well Bore Size: 7 7/8
	Surface Choke: 1"
	Bottom Choke: 5/8"

Total Anchor: 37

Anchor Makeup

Packer Sub: 1 FT

Perforations: (top): 3 FT
4 1/2-FH

Change Over: FT

Drill Pipe: (in anchor): FT
ID-3 1/2

Change Over: FT

Perforations: (below): 33 FT
4 1/2-FH



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Mud Properties

Mud Type: Chemical

Weight: 9.3

Viscosity: 49

Filtrate: 7.8

Chlorides: 4,300 ppm



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Gas Volume Report

1st Open

2nd Open

Time	Orifice	PSI	MCF/D
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Time	Orifice	PSI	MCF/D
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