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 #	API No.:
Name:	Spot Description:
Address 1:	SecTwpS. R □East □ West
Address 2:	Feet from North / South Line of Section
City: State: Zip:+	Feet from _ East / _ West Line of Section
Contact Person:	Footages Calculated from Nearest Outside Section Corner:
Phone: ()	□NE □NW □SE □SW
CONTRACTOR: License #	GPS Location: Lat:, Long:
Name:	(e.g. xx.xxxxx) (e.gxxx.xxxxxx)
Wellsite Geologist:	Datum: NAD27 NAD83 WGS84
Purchaser:	County:
Designate Type of Completion:	Lease Name: Well #:
New Well Re-Entry Workover	Field Name:
	Producing Formation:
☐ Oil ☐ WSW ☐ SWD	Elevation: Ground: Kelly Bushing:
☐ Gas ☐ DH ☐ EOR	Total Vertical Depth: Plug Back Total Depth:
☐ OG ☐ GSW	
CM (Coal Bed Methane)	Amount of Surface Pipe Set and Cemented at: Feet
Cathodic Other (Core, Expl., etc.):	Multiple Stage Cementing Collar Used?
If Workover/Re-entry: Old Well Info as follows:	If yes, show depth set: Feet
Operator:	If Alternate II completion, cement circulated from:
Well Name:	feet depth to:w/sx cmt.
Original Comp. Date: Original Total Depth:	
☐ Deepening ☐ Re-perf. ☐ Conv. to EOR ☐ Conv. to SWD	Drilling Fluid Management Plan
☐ Plug Back ☐ Liner ☐ Conv. to GSW ☐ Conv. to Producer	(Data must be collected from the Reserve Pit)
	Chloride content:ppm Fluid volume:bbls
Commingled Permit #:	Dewatering method used:
Dual Completion Permit #:	Donatoring motitod dood.
SWD Permit #:	Location of fluid disposal if hauled offsite:
EOR Permit #:	Operator Name:
GSW Permit #:	Lease Name: License #:
	Quarter Sec TwpS. R East _ West
Spud Date or Date Reached TD Completion Date or Recompletion Date	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 Approved by: Date:						

KOLAR Document ID: 1711169

Page Two

Operator Name: _				Lease Name:	ame: Well #:					
Sec Twp.	S. R.	E	ast West	County:						
	flowing and shu	ut-in pressures, v	vhether shut-in pre	ssure reached st	atic level, hydrosta	tic pressures, bot		val tested, time tool erature, fluid recovery,		
Final Radioactivity files must be subm						iled to kcc-well-lo	gs@kcc.ks.gov	v. Digital electronic log		
Drill Stem Tests Ta			Yes No			og Formation (Top), Depth and Datum				
Samples Sent to 0	Geological Surv	/ey	Yes No	Na	me		Тор	Datum		
	Cores Taken									
		B	CASING eport all strings set-c		New Used	ion, etc.				
Purpose of Strir		Hole illed	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives		
			ADDITIONAL	CEMENTING / SO	UEEZE RECORD					
Purpose:		epth T Bottom	ype of Cement	of Cement # Sacks Used Type an				nd Percent Additives		
Perforate Protect Casi Plug Back T										
Plug Off Zor										
Did you perform a Does the volume Was the hydraulic	of the total base f	fluid of the hydrauli		_	=	No (If No, sk	ip questions 2 an ip question 3) out Page Three	,		
Date of first Product Injection:	tion/Injection or R	esumed Production	Producing Meth	nod:	Gas Lift 0	Other (Explain)				
Estimated Production Per 24 Hours	on	Oil Bbls.			Water Bbls. Gas-Oil Ratio Gra					
DISPOS	SITION OF GAS:		N	METHOD OF COMP	LETION:			DN INTERVAL: Bottom		
	Sold Used	I on Lease	Open Hole			mmingled mit ACO-4)	Тор	BOROTT		
,	,			B.11 B1						
Shots Per Foot	Perforation Top	Perforation Bottom	Bridge Plug Type	Bridge Plug Set At				Record		
TUBING RECORD:	: Size:	Set	Δ+-	Packer At:						
TODING RECORD:	. 3126.	Set	n.	i donei Al.						

Form	ACO1 - Well Completion
Operator	K & N Petroleum, Inc.
Well Name	SOEKEN 22-2
Doc ID	1711169

All Electric Logs Run

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

Form	ACO1 - Well Completion			
Operator	K & N Petroleum, Inc.			
Well Name	SOEKEN 22-2			
Doc ID	1711169			

Tops

Name	Тор	Datum			
Anhydrite	644	1191			
Base Anhydrite	662	1173			
Heebner	2884	-1049			
Toronto	2901	-1066			
Douglas	2918	-1083			
Brown Lime	2994	-1159			
Lansing	3005	-1170			
Base Kansas City	3261	-1426			
Arbuckle	3266	-1431			

Form	ACO1 - Well Completion
Operator	K & N Petroleum, Inc.
Well Name	SOEKEN 22-2
Doc ID	1711169

Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement		Type and Percent Additives
Surface	12.25	8.625	23	646	Common	325	3% CC
Production	7.875	5.5	14	3338	60/40 poz		2% gel, 12% salt & 5# Gilsonite



TREATMENT REPORT

	or ocitie	TIC PIE						Acid Stage No.	
_					Type Treatment:	Amt,	Type Fluid	Sand Size	Pounds of Sand
Date	2/21/2023	District GB	F,O,	No. <u>50639</u>	Bkdown				
	K&N Petrole								
	ne & No. Soeker					Bbl./Gal.			
County			Field			Bbl./Gal.			
County	Daitoli		State KS		Flush	Bbl./Gal.			
2	0.5/	m.11			Treated from		ft. to	ft. No	o. ft. 0
Casing:	Size 8 5/8	3" Type & Wt.		Set at ft.			ft. to		o. ft. 0
Formation			Perf		from		ft. to		o. ft. 0
Formation	-		Perf	to	Actual Volume of Oil				Bbl./Gal.
Formation	1:		Perf.	to					
Liner: Si	ze Type 8	k Wt	_Top atft.	Bottom atft.	Pump Trucks. No	o. Used: Std.	365 sp.	Tv	win
-	1.63	* I crititateu i	iioin	π. to ft,	Auxiliary Equipment			360	
I uping,	Perforated fi		Swung at		Personnel Nathan	Joe Curtis			
	renorates n	rom	ft. to	ft.	Auxiliary Tools				
Onen Hele	Fin-			9	Plugging or Sealing N	vlaterials: Type			
Орен ные	Size	T,D.	ft. P.	.B. toft.				Gals	lb,
Company	Po		Western .						
TIME	Representative	CURE	Kyle N		Treater		Natha	n W	
a.m./p.m.	Tubing	Casing	Total Fluid Pumped			REMAR	iks		
10:00	, and	8 5/8"	-	Onlassian					
10.00		0 3/0		On Location.					
			-						
				0 5 1 5 1 5 1					
		-		Surface at 646'					
			-	- H. C. C.					
-		<u> </u>	-	Tie on mud pump	p and break	circulation.	ű		
-									
			 	Mix 325sks Comr	non 3% Calc	ium Chloric	le		
				Didplace cement	50' from bo	ttom of pip	e. Circulate	d cement t	o suface.
			—						
				Thank You!					
	-								
				Nathan W.					



TREATMENT REPORT

ricia	& Ceme	III kaabb							Acid Stage 1	۷o	
	2/25/2023 K & N PETRO		F.O.	No. <u>C60772</u>	Type Treatment	: Amt.	/Gal.				Pounds of Sand
	e & No. SOEKE				-	Bbl.,	/Gal	-			
Location	22-	17-11W	Field		-	Bbl.,	(Gal				
County	BARTON		State KS		Flush	Bbl./	Gal.				
					-	Bbl./					
Casing:	Sizo 5.1/2) Toma 0 1444								No. ft.	00
				Set atft.						No. ft.	0
Formation			Perf	to	from		ft. to		ft.	No. ft.	0
Formation			Perf.	to	Actual Volume of	Oll / Water to Lo	ad Hole:				8bl./Gal.
Formation			Perf.	to			-				
				Bottom atft.	Pump Trucks.	No. Used: Std.	365	Sp.		Twin	
(Cemented: Yes	▼ Perforated	from	ft. toft,	Auxiliary Equipme	ent			50-310T		
Tubing:	Size & Wt		Swung at	ft.	Personnel GREG	JOE CURTIS					
	Perforated fr	om	ft. to	ft.	Auxiliary Tools						
					Plugging or Sealin	g Materials: T	vpe				
Open Hole	Size	T.D.	ft. P.	.B. toft.	DATE STORY						lb.
											101
	Representative				Treater			GREG	C.		
TIME a.m./p.m.	PRESS	Casing	Total Fluid Pumped			RE	MARKS				
4:30				ON LOCATION							
				on coormon							
				PIPE SET @ 3337	65' INICED	T CET @ 2	224 70'				
				CENTRALIZERS O			7,9				
				BASKETS ON TOP	OF JTS: 2,	,5					
1.6				CIRCULATE HOLE	FOR 1 HO	UR					
				PUMP 650 GALS	OF MUD F	LUSH					
				PLUG RATHOLE \	NITH 30 SK	S AND PLI	JG MOU	SEHOL	E WITH	20 SK	S
_				MIX 200 SKS OF	60/40 2% (GEL 12% S	ALT. 0.5%	C-37	0.5% C1	2 0	5% C-41P
				5# PER SK GILSO			121/ 010/1	, 0 0,,	0.070 0.	010	370 C 411
				RINGE DI IMP ANI	D LINE OLI	Г			_		
				RINSE PUMP AND LINE OUT. DISPLACE WITH 81.1 BBLS H2O							
				PLUG LANDED A	ND HELD. F	KELEASE PI	RESSURE.				
9:15				JOB COMPLETE							
				THANK YOU!!!							



K&N Petroleum Inc.

22-17S-11W/Barton

Reference Elevations:

1105 Walnut ST Soeken 22-2

Great Bend KS 67530

Job Ticket: 69917 DST#: 1

ATTN: Jim Musgrove Test Start: 2023.02.24 @ 14:05:00

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Test Type: Conventional Bottom Hole (Initial) Whipstock: ft (KB)

Time Tool Opened: 15:51:00 Tester: Richie Samora Time Test Ended: 20:43:45 Unit No: 66

Interval: 3244.00 ft (KB) To 3277.00 ft (KB) (TVD)

Total Depth: 3277.00 ft (KB) (TVD)

Hole Diameter: 7.79 inches Hole Condition: Good KB to GR/CF:

1834.00 ft (KB) 1824.00 ft (CF)

10.00 ft

Serial #: 8355

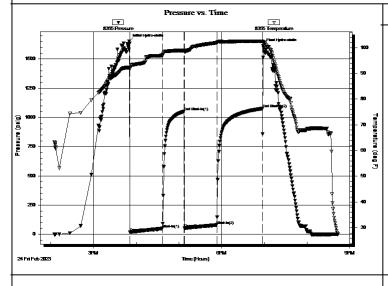
Press@RunDepth: Capacity: 8000.00 psig 80.76 psig @ ft (KB)

Start Date: 2023.02.24 End Date: 2023.02.24 Last Calib.: 1899.12.30 Start Time: 14:05:05 End Time: 20:43:44 Time On Btm: 2023.02.24 @ 15:50:15 Time Off Btm: 2023.02.24 @ 18:58:30

TEST COMMENT: 45-IF: Fair blow BOB in 43 minutes built to 12.41" in H2O

30-ISI: Weak surface blow built slightly. 45-FF: Fair blow built to 11.68" in H2O

60-FSI: No blow back



PRESSURE SUMMARY								
Pressure	Temp	Annotation						

Time	Pressure	Temp	Annotation
(Min.)	(psig)	(deg F)	
0	1651.87	92.27	Initial Hydro-static
1	18.68	91.90	Open To Flow (1)
47	50.65	97.01	Shut-In(1)
77	1051.84	98.86	End Shut-In(1)
78	53.49	98.46	Open To Flow (2)
123	80.76	101.96	Shut-In(2)
187	1076.12	102.51	End Shut-In(2)
189	1610.85	102.32	Final Hydro-static

Recovery

Description	Volume (bbl)
MCOW 10%O 10%W 80%M	0.84
OCWM 80%O 5%W 15%M	0.84
CO 90%O 5%W 5%M	0.53
GIP	0.42
	MCOW 10%O 10%W 80%M OCWM 80%O 5%W 15%M CO 90%O 5%W 5%M

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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Trilobite Testing, Inc Ref. No: 69917 Printed: 2023.02.24 @ 22:35:32



K&N Petroleum Inc.

22-17S-11W/Barton

1105 Walnut ST

Soeken 22-2

Great Bend KS 67530

ATTN: Jim Musgrove

Job Ticket: 69917 DST#: 1

Test Start: 2023.02.24 @ 14:05:00

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: Test Type: Conventional Bottom Hole (Initial) ft (KB)

Time Tool Opened: 15:51:00 Time Test Ended: 20:43:45

Unit No: 66

Tester: Richie Samora

3244.00 ft (KB) To 3277.00 ft (KB) (TVD)

Reference Elevations:

1834.00 ft (KB)

Total Depth: 3277.00 ft (KB) (TVD)

1824.00 ft (CF)

Hole Diameter: 7.79 inches Hole Condition: Good

KB to GR/CF:

10.00 ft

Serial #: 8289

Press@RunDepth:

psig @

ft (KB)

Capacity: Last Calib.: 8000.00 psig

Start Date: Start Time:

Interval:

2023.02.24

End Date:

2023.02.24 20:43:30

Time On Btm:

1899.12.30

14:05:01

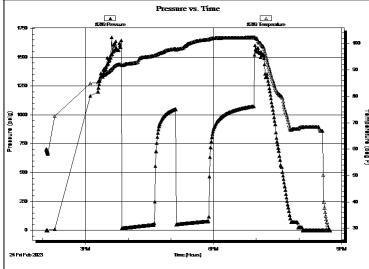
End Time:

Time Off Btm:

TEST COMMENT: 45-IF: Fair blow BOB in 43 minutes built to 12.41" in H2O

30-ISI: Weak surface blow built slightly. 45-FF: Fair blow built to 11.68" in H2O

60-FSI: No blow back



PRESSURE SI	JMMARY
-------------	---------------

_				
	Time	Pressure	Temp	Annotation
	(Min.)	(psig)	(deg F)	
Tamparatura (dan F)				
,				
,				

Recovery

Length (ft)	Description	Volume (bbl)
60.00	MCOW 10%O 10%W 80%M	0.84
60.00	OCWM 80%O 5%W 15%M	0.84
38.00	CO 90%O 5%W 5%M	0.53
30.00	GIP	0.42

Gas Rates

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

Trilobite Testing, Inc Ref. No: 69917 Printed: 2023.02.24 @ 22:35:32



FLUID SUMMARY

K&N Petroleum Inc. 22-17S-11W/Barton

1105 Walnut ST Soeken 22-2

Great Bend KS 67530 Job Ticket: 69917 **DST#:1**

ATTN: Jim Musgrove Test Start: 2023.02.24 @ 14:05:00

Mud and Cushion Information

Mud Type: Gel Chem Cushion Type: Oil API: deg API

Mud Weight: 9.00 lb/gal Cushion Length: ft Water Salinity: ppm

Viscosity: 61.00 sec/qt Cushion Volume: bbl

Water Loss: 8.39 in³ Gas Cushion Type:

Resistivity: ohm.m Gas Cushion Pressure: psig

Salinity: 3000.00 ppm Filter Cake: 0.20 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	MCOW 10%O 10%W 80%M	0.842
60.00	OCWM 80%O 5%W 15%M	0.842
38.00	CO 90%O 5%W 5%M	0.533
30.00	GIP	0.421

Total Length: 188.00 ft Total Volume: 2.638 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

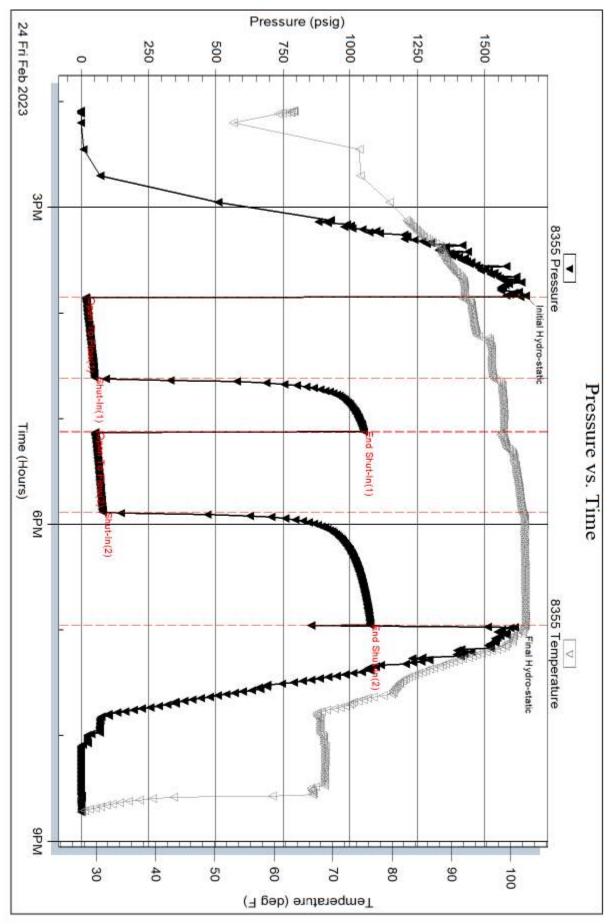
Recovery Comments:

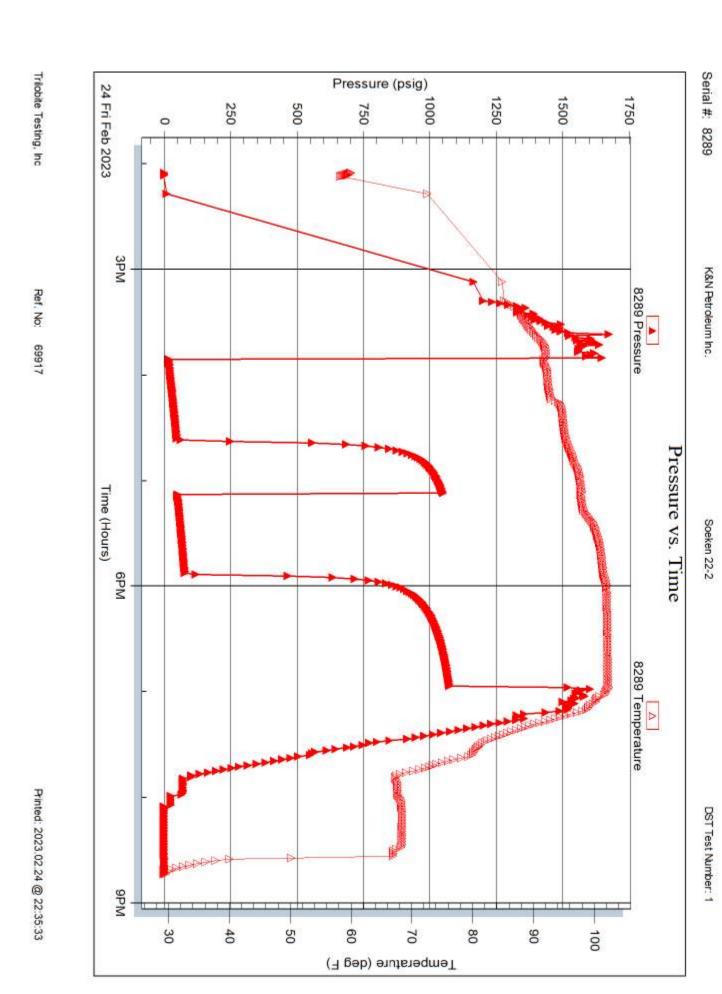
Trilobite Testing, Inc Ref. No: 69917 Printed: 2023.02.24 @ 22:35:33

Printed: 2023.02.24 @ 22:35:33

Serial #: 8355

K&N Petroleum Inc.





OPERATOR

Company: KN Petroleum Inc. Address: 1105 Walnut St

Great Bend, Kansas 67530

Contact Geologist: Jim Musgrove Contact Phone Nbr: 620-786-0839 Well Name: Soeken 22-2

Location: 22-17s-11w SE-NE-NW-SW

API: 15-009-26382-00-00

Pool: Field: Kraft Prusa

State: Kansas Country: USA



PETROLEUM, INC.

Scale 1:240 Imperial

Well Name: Soeken 22-2

Surface Location: 22-17s-11w SE-NE-NW-SW

Bottom Location:

API: 15-009-26382-00-00

License Number: 3208

Spud Date: 2/20/2023 Time: 12:00 AM

Region: Barton

Drilling Completed: 2/25/2023 Time: 12:00 AM

Surface Coordinates: 1992' FSL & 1293' FWL

Bottom Hole Coordinates:

Ground Elevation: 1825.00ft K.B. Elevation: 1835.00ft

Logged Interval: 2700.00ft To: 3351.00ft

Total Depth: 3350.00ft Formation: Arbuckle

Drilling Fluid Type: Chemical/Fresh Water Gel

NG S	

Surface Intermediate Main

Bit Size Hole Size

Size Set At Type # of Joints Drilled Out At

Surf Casing 8 5/8" in 650' ft

Int Casing

Prod Casing 5 1/2" in 3342.65' ft

CASING SEQUENCE

Type Hole Size Casing Size At 0.00 in 0.00 0.00 ft

OPEN HOLE LOGS

Logging Company: ELI

Logging Engineer: Cole Robben

Truck #:

Logging Date: Time Spent:

Logs Run: 0 # Logs Run Successful: 0

LOGS RUN

0

Tool Logged Interval Logged Interval Hours Remarks Run #

0.00ft 0.00ft 0.00

LOGGING OPERATION SUMMARY

Description Of Operation

Date From To 12/5/2007 0.00ft 0.00ft

SURFACE CO-ORDINATES

Well Type: Vertical

Longitude:

Latitude:

N/S Co-ord: 1992' FSL E/W Co-ord: 1293' FWL

LOGGED BY



Company: James C Musgrove Petroleum LLC

Address: 212 Main Street/PO Box 215

Claflin, KS 67525

Phone Nbr: 620-588-4250 620-786-0839

Logged By: KLG #307 Name: James C Musgrove

CONTRACTOR

Contractor: Southwind Drilling Inc.

Rig #: 1

Rig Type: mud rotary Spud Date: 2/20/2023

 Spud Date:
 2/20/2023
 Time:
 12:00 AM

 TD Date:
 2/25/2023
 Time:
 12:00 AM

Rig Release: Time:

ELEVATIONS

K.B. Elevation: 1835.00ft Ground Elevation: 1825.00ft

K.B. to Ground: 10.00ft

NOTES

Remarks:

5 1/2" production casing was set and cemented on the K&N Petroleum Inc., Soeken #22-2.

Respectfully yours,

James C Musgrove Petroleum Geologist

well comparison sheet

		SOEKEN	#22-2		SOEKEN #1				HOWARD SOEKEN #3			
	K	&N PETRO	LEUM II	NC.	H-30, INC. NE-NW-SW 22-17s-11w				WILLIAM CLAUDE PHILLIPS NW-NE-SW 22-17s-11w			
		SE-NE-	NW-SW									
		22-17:	s-11w									
							Struc	tural			Struc	tural
	1835	KB			1827	KB	Relati	onship	1840	KB	Relati	onship
Formation	Sample	Sub-Sea	Log	Sub-Sea	Log	Sub-Sea	Sample	Log	Log	Sub-Sea	Sample	Log
Anhydrite	644	1191			630	1197		-6	645	1195		-4
Base Anhydrite	662	1173			660	1167		6				
Heebner	2884	-1049			2881	-1054		5	2888	-1048		-1
Toronto	2901	-1066							2907	-1067		1
,	0010	1000							0010	1050		

Douglas	2910	-1003					2310	-1070		-5
Brown Lime	2994	-1159					2999	-1159		0
Lansing	3005	-1170		3002	-1175	5	3017	-1177		7
Base Kansas City	3261	-1426		3203	-1376	-50				
Arbuckle	3266	-1431		3263	-1436	5	3271	-1431	-1431	0
Rotary Total Depth	3350	-1515		3265	-1438	-77	3324	-1484	-1484	-31
Log Total Depth	3351	-1516								



K&N Petroleum Inc.

1105 Walnut ST Great Bend KS 67530

ATTN: Jim Musgrove

ft (KB)

22-17S-11W/Barton

Soeken 22-2

Job Ticket: 69917 DST#: 1

Test Start: 2023.02.24 @ 14:05:00

GENERAL INFORMATION:

Formation: Arbuckle

Deviated: Whipstock: No

Time Tool Opened: 15:51:00

Time Test Ended: 20:43:45

Interval: 3244.00 ft (KB) To 3277.00 ft (KB) (TVD)

Total Depth: 3277.00 ft (KB) (TVD)

Hole Diameter: 7.79 inches Hole Condition: Good Test Type: Conventional Bottom Hole (Initial)

Tester: Richie Samora

Unit No: 66

Reference Bevations: 1834.00 ft (KB)

1824.00 ft (CF)

KB to GR/CF: 10.00 ft

Serial #: 8355

Press@RunDepth: 80.76 psig @ ft (KB) Start Date: 2023.02.24 End Date:

Start Time:

14:05:05 End Time: 2023.02.24

20:43:44

Capacity: Last Calib.:

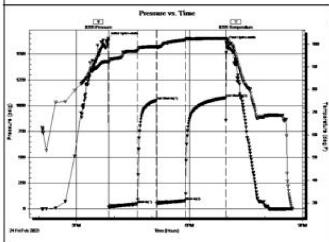
8000.00 psig 1899.12.30

Time On Btm: 2023.02.24 @ 15:50:15 Time Off Btm: 2023.02.24 @ 18:58:30

TEST COMMENT: 45-IF: Fair blow BOB in 43 minutes built to 12.41" in H2O

30-ISt Weak surface blow built slightly. 45-FF: Fair blow built to 11.68" in H2O

60-FSI: No blow back



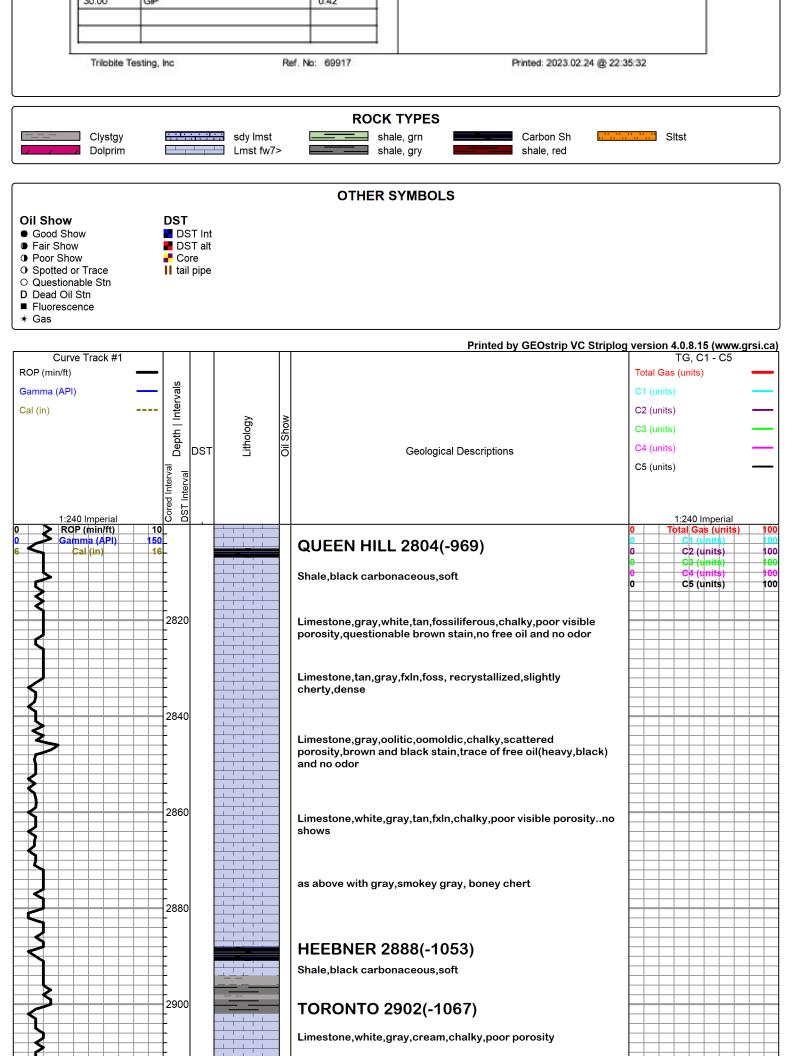
+	Time	Pressure	Temp	Annotation	
	(Min.)	(psig)	(deg F)		
ı	0	1651.87	92.27	Initial Hydro-static	
ı	1	18.68	91.90	Open To Flow (1)	
ı	47	50.65	97.01	Shut-In(1)	
1	77	1051.84	98.86	End Shut-In(1)	
	78	53.49	98.46	Open To Flow (2)	
	123	80.76	101.96	Shut-In(2)	
	187	1076.12	102.51	End Shut-In(2)	
1	189	1610.85	102.32	Final Hydro-static	
l		101370035-0	A.100.550	LOUI ON LIVER COMPLEX HEREI	
l					
ı					

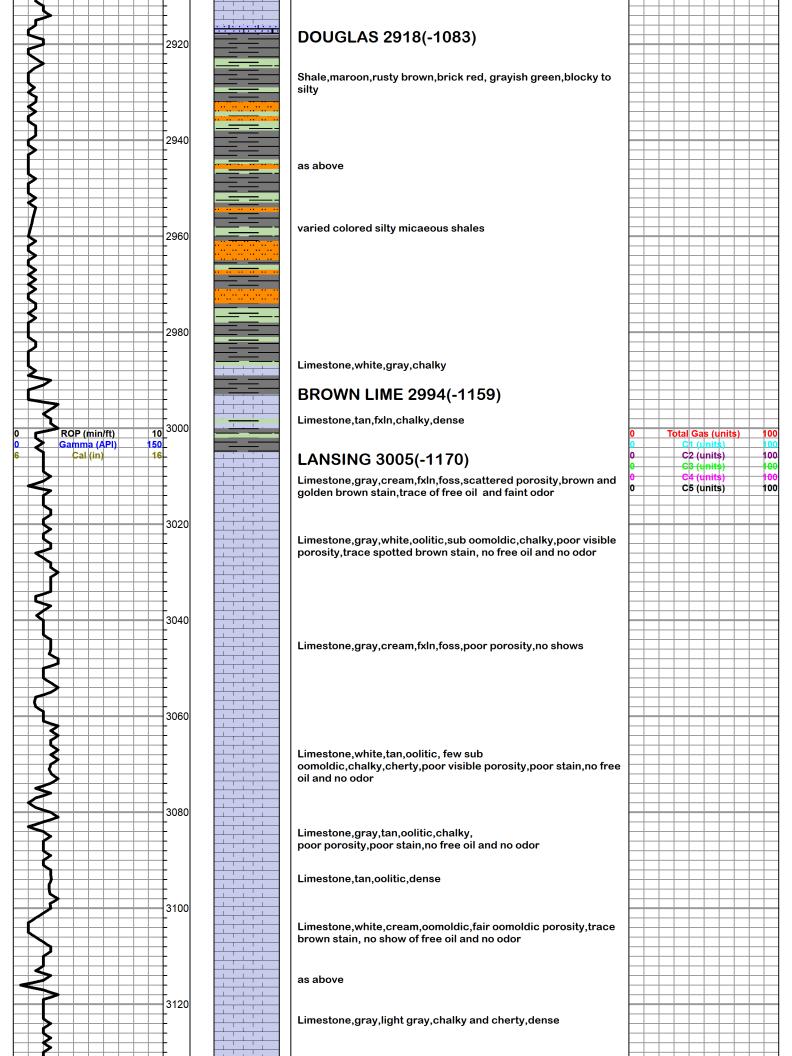
Recovery

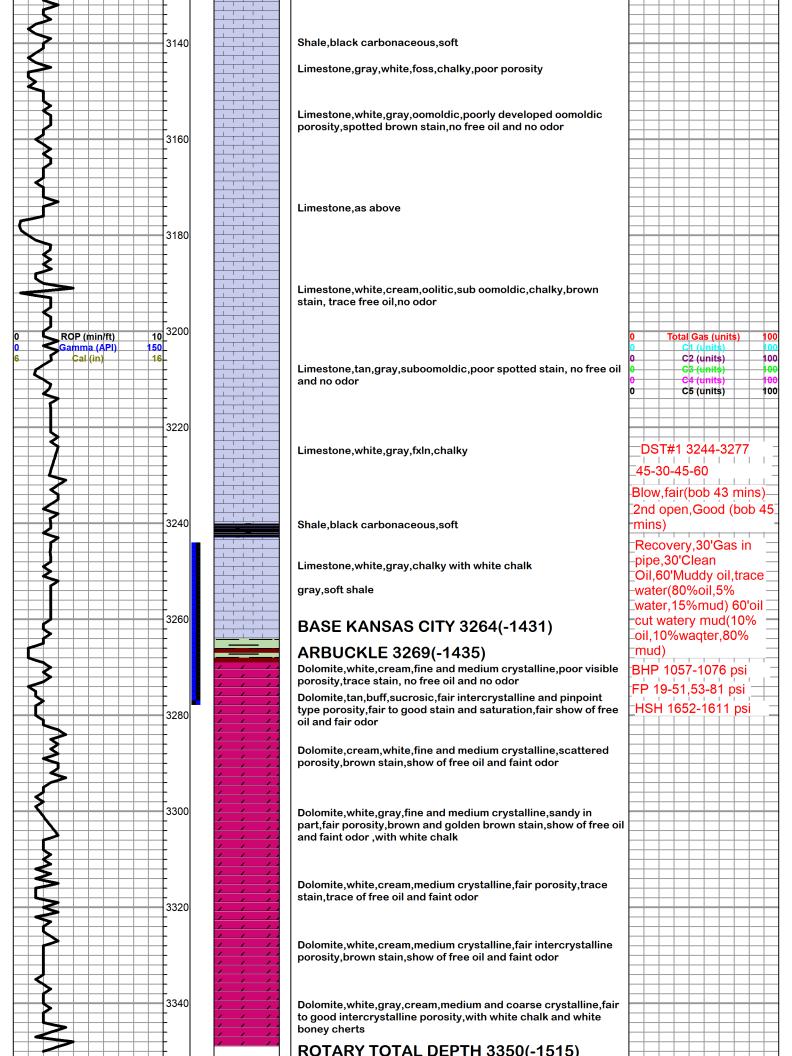
Length (ft)	Description	Volume (bbl)
60.00	MCOW 10%O 10%W 80%M	0.84
60.00	OCWM 80%O 5%W 15%M	0.84
38.00	CO 90%O 5%W 5%M	0.53
20.00	CID	0.40

Gas	Rates

Choke (inches)	Pressure (psig)	Gas Rate (Mcfld)







		(
					T	
					_	-
					_	-
	360			\vdash	\rightarrow	\rightarrow
						\neg
					+	-
					T	
					+	+
					\perp	
					+	\neg
			 +	-	+	\rightarrow
			 	-	+	-
	380					
					+	-
					+	_
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