

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

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	Knighton Oil Company, Inc.
Well Name	GOODMAN 1
Doc ID	1357959

All Electric Logs Run

Cement Bond
Gamma Ray Neutron
Dual Comp Porosity
Micro Resistivity
Dual Induction

Form	ACO1 - Well Completion
Operator	Knighton Oil Company, Inc.
Well Name	GOODMAN 1
Doc ID	1357959

Tops

Name	Top	Datum
Anhydrite	2036	+628
Base/Anhydrite	2064	+600
Heebner	3936	-1272
Lansing	3973	-1309
BKC	4300	-1636
Ft Scott	4478	-1814
Cherokee Shale	4503	-1839
Mississippian	4586	-1922

Form	ACO1 - Well Completion
Operator	Knighton Oil Company, Inc.
Well Name	GOODMAN 1
Doc ID	1357959

Perforations

Shots Per Foot	Perforation Record	Material Record	Depth
4	4396-4399,	1750g 15% HCl	4396-4399
	4385 CIBP		4385
4	4300-4308	250g 15% HCl	4300-4308
	4290 CIBP		4290
4	4250-4256	250g 15% HCl	4250-4256



DIAMOND TESTING, LLC
 P.O. Box 157
HOISINGTON, KANSAS 67544
 (620) 653-7550 • (800) 542-7313
 GOODMAN1DST1

Company Knighton Oil Company, Inc. Lease & Well No. Goodman No. 1
 Elevation 2661 KB Formation Swope/Pleasanton Effective Pay _____ Ft. Ticket No. T603
 Date 4-3-17 Sec. 14 Twp. 18S Range 27W County _____ Lane _____ State Kansas
 Test Approved By David D. Montague Diamond Representative _____ Tim Venters

Formation Test No. 1 Interval Tested from 4,253 ft. to 4,332 ft. Total Depth 4,332 ft.
 Packer Depth 4,248 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.
 Packer Depth 4,253 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.
 Depth of Selective Zone Set _____ ft.

Top Recorder Depth (Inside) 4,234 ft. Recorder Number 5504 Cap. 5,000 psi.
 Bottom Recorder Depth (Outside) 4,329 ft. Recorder Number 11029 Cap. 5,025 psi.
 Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ psi.

Drilling Contractor WW Drilling, LLC - Rig 12 Drill Collar Length 120 ft I.D. 2 1/4 in.
 Mud Type Chemical Viscosity 56 Weight Pipe Length _____ ft I.D. _____ in.
 Weight 9.3 Water Loss 8.8 cc. Drill Pipe Length 4,100 ft I.D. 3 1/2 in.
 Chlorides 2,000 P.P.M. Test Tool Length 33 ft Tool Size 3 1/2-IF in.
 Jars: Make Sterling Serial Number 4 Anchor Length 15' perf. w/64' drill pipe Size 4 1/2-FH in.
 Did Well Flow? No Reversed Out No Surface Choke Size 1 in. Bottom Choke Size 5/8 in.
 Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2-XH in.

Blow: 1st Open: Good, 2 in. blow increasing. Off bottom of bucket in 1 1/2 mins. Bottom of bucket blow back during shut-in.
 2nd Open: Good, 2 in. blow increasing. Off bottom of bucket in 4 mins. 11 in. blow back during shut-in.

Recovered 1,755 ft. of gas in pipe
 Recovered 105 ft. of slightly gas cut oil = 1.494150 bbls. (Grind out: 2%-gas; 98%-oil) Gravity: 53 @ 60°
 Recovered 190 ft. of slightly gas cut, oily mud = 2.703700 bbls. (Grind out: 4%-gas; 47%-oil; 49%-mud)
 Recovered 255 ft. of oil & gas cut watery mud = 3.628650 bbls. (Grind out: 22%-gas; 14%-oil; 30%-water; 34%-mud)
 Recovered 185 ft. of slightly oil cut, mud cut water = 1.515350 bbls. (Grind out: 6%-oil; 83%-water; 11%-mud)
 Recovered 735 ft. of TOTAL FLUID = 9.341850 bbls.
 Recovered _____ ft. of _____

Remarks: Tool Sample Grind Out: 2%-oil; 93%-water; 5%-mud (Chlorides: 71,000 Ppm PH: 7.0 RW: .16 @ 51°)

Time Set Packer(s) 3:06 A.M. Time Started off Bottom 5:38 A.M. Maximum Temperature 125°
 Initial Hydrostatic Pressure.....(A) 2045 P.S.I.
 Initial Flow Period.....Minutes 30 (B) 75 P.S.I. to (C) 237 P.S.I.
 Initial Closed In Period.....Minutes 30 (D) 816 P.S.I.
 Final Flow Period.....Minutes 30 (E) 240 P.S.I. to (F) 329 P.S.I.
 Final Closed In Period.....Minutes 62 (G) 830 P.S.I.
 Final Hydrostatic Pressure.....(H) 2037 P.S.I.

DIAMOND TESTING, LLC**TESTER : TIM VENTERS
CELL # 620-388-6333****General Information**

Company Name	KNIGHTON OIL COMPANY, INC.	Job Number	T603
Contact	DAVE MONTAGUE	Representative	TIM VENTERS
Well Name	GOODMAN #1	Well Operator	KNIGHTON OIL COMPANY, INC.
Unique Well ID	DST #1, SWOPE/PLEAS., 4253-4332	Report Date	2017/04/03
Surface Location	SEC 14-18S-27W, LANE CO. KS.	Prepared By	TIM VENTERS
Well License Number			
Field	WILDCAT		
Well Type	Vertical		

Test Information

Test Type	CONVENTIONAL
Formation	DST #1, SWOPE/PLEAS., 4253-4332
Well Fluid Type	01 Oil
Test Purpose	Initial Test

Start Test Date	2017/04/02	Start Test Time	23:08:00
Final Test Date	2017/04/03	Final Test Time	09:16:00

Gauge Name	5504
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Test Results

RECOVERED: 1755' GAS IN PIPE
 105' SGCO, 2% GAS, 98% OIL, GRAVITY: 53
 190' SGC,OM, 4% GAS, 47% OIL, 49% MUD
 255' O&GCWM, 22% GAS, 14% OIL, 30% WATER, 34% MUD
 185' SOC,MCW, 6% OIL, 83% WATER, 11% MUD
 735' TOTAL FLUID

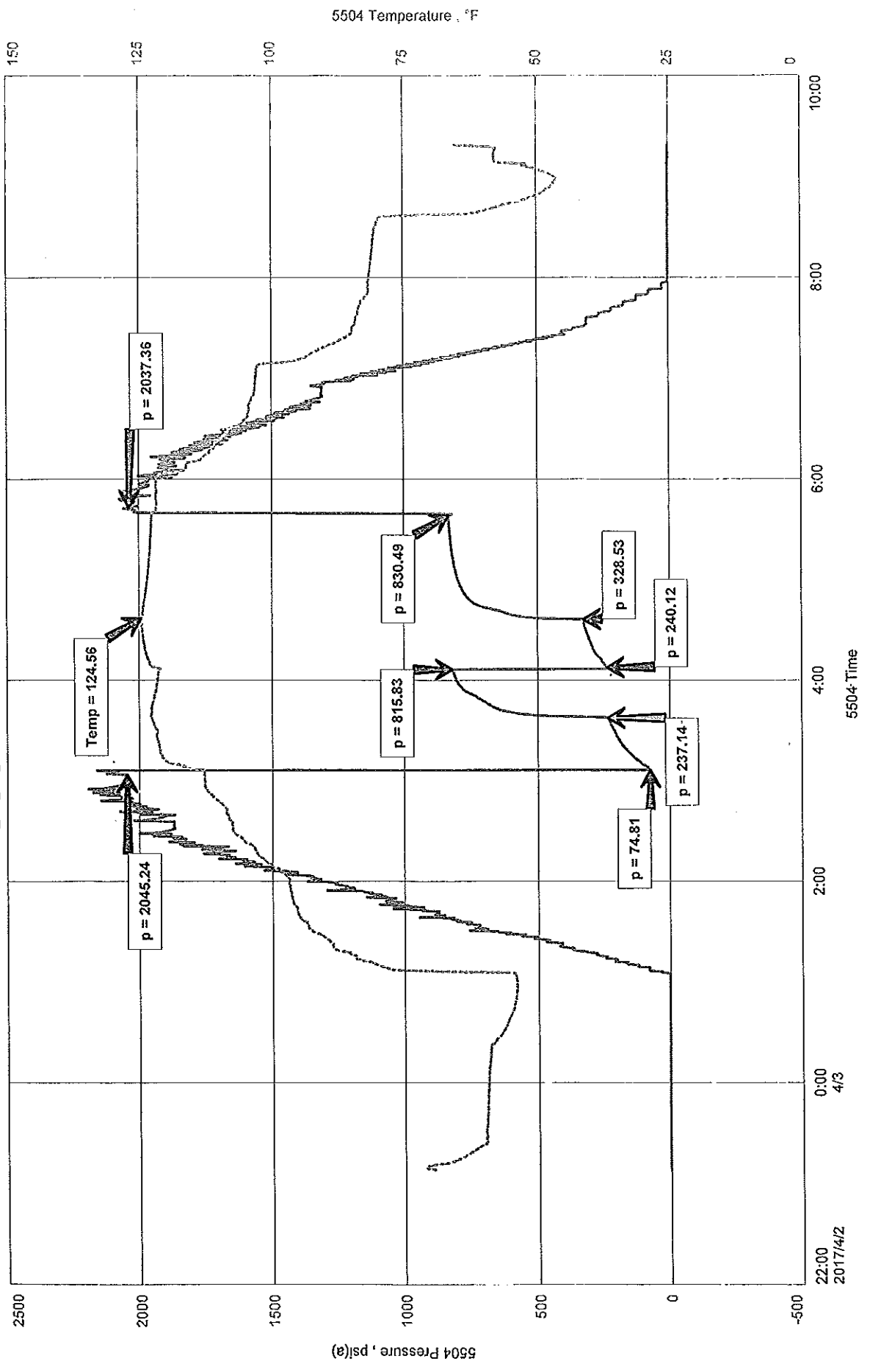
TOOL SAMPLE: 2% OIL, 93% WATER, 5% MUD

CHLORIDES: 71,000 ppm
 PH: 7.0
 RW: .16 @ 51 deg.

KNIGHTON OIL COMPANY, INC.
DST #1, SWOPE/PLEAS., 4253-4332
Start Test Date: 2017/04/02
Final Test Date: 2017/04/03

GOODMAN #1
Formation: DST #1, SWOPE/PLEAS., 4253-4332
Pool: WILDCAT
Job Number: T603

GOODMAN #1





DIAMOND TESTING, LLC
P.O. Box 157
HOISINGTON, KANSAS 67544
(620) 653-7550 • (800) 542-7313
GOODMAN1DST2

Company Knighton Oil Company, Inc. Lease & Well No. Goodman No. 1
Elevation 2661 KB Formation Cherokee Sandstone Effective Pay Ft. Ticket No. T604
Date 4-4-17 Sec. 14 Twp. 18S Range 27W County Lane State Kansas
Test Approved By David D. Montague Diamond Representative Tim Venters

Formation Test No. 2 Interval Tested from 4,494 ft. to 4,580 ft. Total Depth 4,580 ft.
Packer Depth 4,489 ft. Size 6 3/4 in. Packer Depth ft. Size in.
Packer Depth 4,494 ft. Size 6 3/4 in. Packer Depth ft. Size in.
Depth of Selective Zone Set ft.

Top Recorder Depth (Inside) 4,475 ft. Recorder Number 5504 Cap. 5,000 psi.
Bottom Recorder Depth (Outside) 4,577 ft. Recorder Number 11029 Cap. 5,025 psi.
Below Straddle Recorder Depth ft. Recorder Number Cap. psi.

Drilling Contractor WW Drilling, LLC - Rig 12 Drill Collar Length 120 ft I.D. 2 1/4 in.
Mud Type Chemical Viscosity 63 Weight Pipe Length ft I.D. in.
Weight 9.2 Water Loss 8.8 cc. Drill Pipe Length 4,341 ft I.D. 3 1/2 in.
Chlorides 2,000 P.P.M. Test Tool Length 33 ft Tool Size 3 1/2-IF in.
Jars: Make Sterling Serial Number 4 Anchor Length 22' perf. w/64' drill pipe Size 4 1/2-FH in.
Did Well Flow? No Reversed Out No Surface Choke Size 1 in. Bottom Choke Size 5/8 in.
Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2-XH in.

Blow: 1st Open: Weak, surface blow increasing to 1/4 in. No blow back during shut-in.
2nd Open: Very weak, surface blow lasting 3 mins. No blow back during shut-in.

Recovered 10 ft. of mud = .196800 bbls.
Recovered ft. of
Recovered ft. of
Recovered ft. of
Recovered ft. of
Recovered ft. of
Recovered ft. of

Remarks: Tool Sample Grind Out: Oil specks; 100%-mud

Time Set Packer(s) 3:49 P.M. Time Started off Bottom 5:57 P.M. Maximum Temperature 116°
Initial Hydrostatic Pressure.....(A) 2191 P.S.I.
Initial Flow Period.....Minutes 38 (B) 13 P.S.I. to (C) 18 P.S.I.
Initial Closed In Period.....Minutes 30 (D) 84 P.S.I.
Final Flow Period.....Minutes 30 (E) 19 P.S.I. to (F) 21 P.S.I.
Final Closed In Period.....Minutes 30 (G) 50 P.S.I.
Final Hydrostatic Pressure.....(H) 2181 P.S.I.

DIAMOND TESTING, LLC

TESTER : TIM VENTERS
CELL # 620-388-6333

General Information

Company Name	KNIGHTON OIL COMPANY, INC.		
Contact	DAVE MONTAGUE	Job Number	T604
Well Name	GOODMAN #1	Representative	TIM VENTERS
Unique Well ID	DST #2, CHEROKEE SST, 4494-4580	Well Operator	KNIGHTON OIL COMPANY, INC.
Surface Location	SEC 14-18S-27W, LANE CO. KS.	Report Date	2017/04/04
Well License Number		Prepared By	TIM VENTERS
Field	WILDCAT		
Well Type	Vertical		

Test Information

Test Type	CONVENTIONAL
Formation	DST #2, CHEROKEE SST, 4494-4580
Well Fluid Type	01 Oil
Test Purpose	Initial Test

Start Test Date	2017/04/04	Start Test Time	12:55:00
Final Test Date	2017/04/04	Final Test Time	21:16:00

Gauge Name	5504
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Test Results

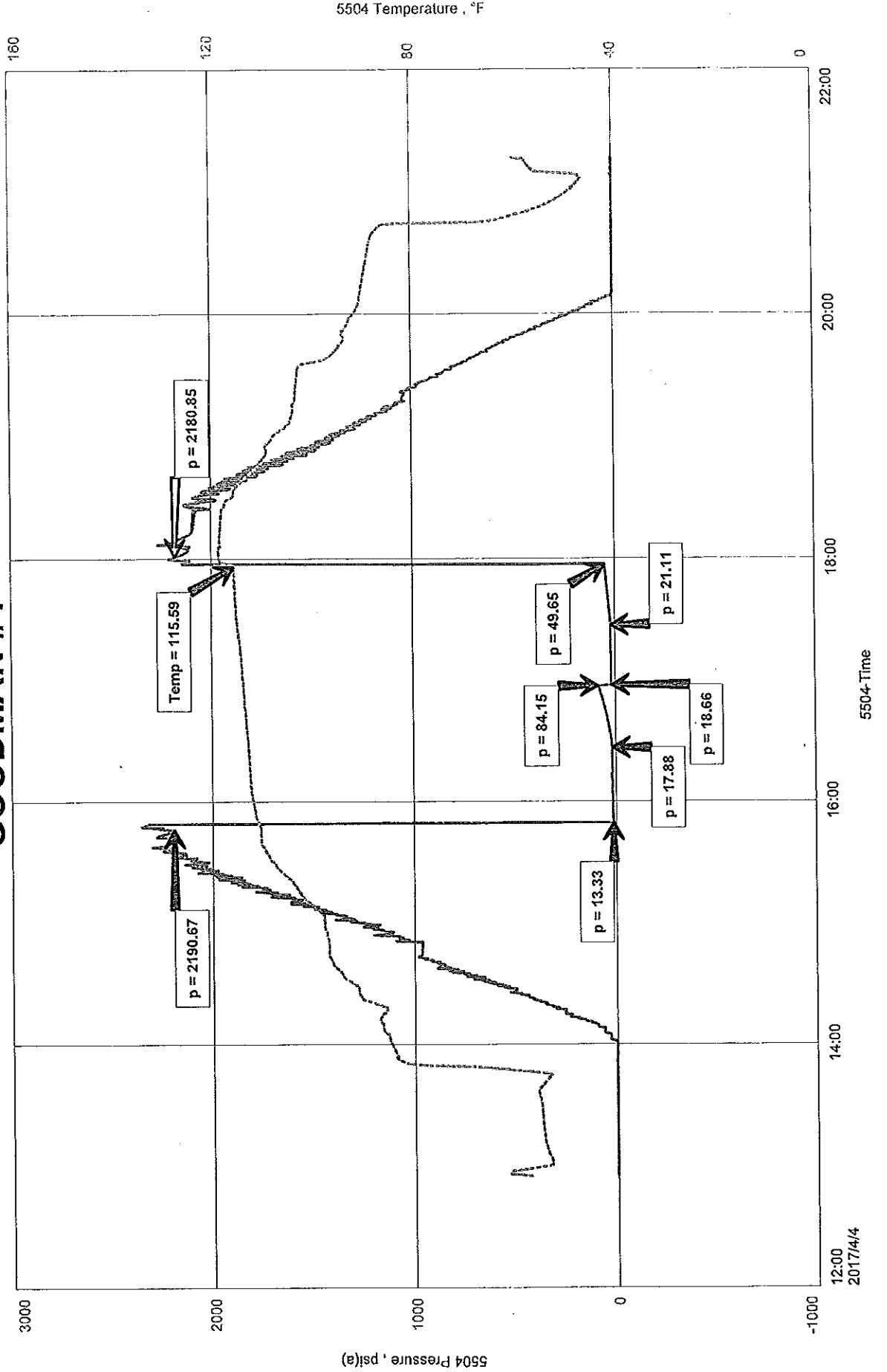
RECOVERED: 10' MUD

TOOL SAMPLE: OIL SPECKS, 100% MUD

GOODMAN #1
Formation: DST #2, CHEROKEE SST, 4494-4580
Pool: WILDCAT
Job Number: T604

KNIGHTON OIL COMPANY, INC.
DST #2, CHEROKEE SST, 4494-4580
Start Test Date: 2017/04/04
Final Test Date: 2017/04/04

GOODMAN #1





CONSOLIDATED
Oil Well Services, LLC

7862
7759

TICKET NUMBER 51754
LOCATION Oakley Ks
FOREMAN Walt Dinkel

PO Box 884, Chanute, KS 66720
620-431-9210 or 800-467-8676

FIELD TICKET & TREATMENT REPORT
CEMENT

Invoice #809946

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
3-27-17	4495	Goodman #1	14	18 ^s	27 ^w	Lane
CUSTOMER Knighton Oil			Dighton 16-w 1 N			
MAILING ADDRESS 1700 N. Waterfront Parkway, Bldg. 100 Suite A			TRUCK #	DRIVER	TRUCK #	DRIVER
CITY Wichita			753	Miles Shaw		
STATE KS			772-T129	Steven Oaks		
ZIP CODE 67206						

JOB TYPE Sur Face HOLE SIZE 12 1/4 HOLE DEPTH 276 CASING SIZE & WEIGHT 8 5/8 - 23 #
 CASING DEPTH 276 DRILL PIPE _____ TUBING _____ OTHER _____
 SLURRY WEIGHT 15.2 SLURRY VOL _____ WATER gal/sk _____ CEMENT LEFT In CASING 15'-20'
 DISPLACEMENT 16 1/4 DISPLACEMENT PSI _____ MIX PSI _____ RATE 5 Bpm

REMARKS: Safety Meeting, Rig up on WW #12, circ casing on bottom mixed 180 sks com, 342, Displace 16 1/4 BBL H₂O, Shut in
Cement Dig Circ in cellar

Thank You
Walt + crew

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
CE0471	1	PUMP CHARGE	1,150.00	1,150.00
CE0002	30	MILEAGE	7.15	214.50
CE0711	8.46	Ton Mileage Delivery	175	660.00
CC5871	180 sks	Surface Blend Cement	23.00	4,140.00
				6,164.50
		Less 40% Disc		2,465.80
				3,698.70
		SALES TAX		186.30
		ESTIMATED TOTAL		3,885.00

Ravin 3737

AUTHORIZATION [Signature] TITLE Tool Pusher DATE _____

I acknowledge that the payment terms, unless specifically amended in writing on the front of the form or in the customer's account records, at our office, and conditions of service on the back of this form are in effect for services identified on this form.



CONSOLIDATED
Oil Well Services, LLC

PO Box 884, Chanute, KS 66720
620-431-9210 or 800-467-8676

FIELD TICKET & TREATMENT REPORT
CEMENT

TICKET NUMBER 51763
LOCATION Oakley, KS
FOREMAN Jerry V. Mills

1751
7828
Invoice #810012

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY	
4-5-17	4495	Goodman #1	14	185	27W	Leane	
CUSTOMER		MAILING ADDRESS		TRUCK #	DRIVER	TRUCK #	DRIVER
Knights Oil		1700 N. Whiteport Pkwy. Bldg 111 Ste A		753	Travis W		
CITY		STATE	ZIP CODE	460	Harold		
Wichita		KS	67206	772-T129	Mills		
				639			

JOB TYPE 2-Stage HOLE SIZE 7 7/8 HOLE DEPTH 4644 CASING SIZE & WEIGHT 5 1/2 14#
 CASING DEPTH 4644 DRILL PIPE _____ TUBING _____ OTHER D 8 top of 64' @ 1793
 SLURRY WEIGHT 14.2/12.5 SLURRY VOL. 1.42/1.89 WATER gal/sk _____ CEMENT LEFT In CASING 40'
 DISPLACEMENT 112/48 1/2 DISPLACEMENT PSI _____ MIX PSI _____ RATE _____

REMARKS: Safety meeting & rig up on 6/16/12 run float equip. cement 12oz on 3, 5, 7, 10, 12, 14, 16, 18, 20, 6.5 basket 10" on 64" DV tool top 64 set @ 1925 run casing to bottom pump bit thru @ 1500# circulate vis 38 mix 500 gall mud flush with 5661 H₂O spacer mix 175 sks Thixobland 5# Kolseal shut down release plug clean pump and line displac. 112 bbl 60 water 52 mud final lift 750# plug landed @ 1500# released back & float held open tool 900# circulate 1 hr. mix 400 sks lite blend VII 1/4# floccul shut down release plug clean pump & line displac with 48 1/2 bbl fresh H₂O 750# final lift plug landed & 400# closed @ 1500# released back & float held cement did circulate

30 sks Rot hole

Thank you
Jerry Mills

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
CE0453	1	PUMP CHARGE	2800.00	2800.00
CE0002	30	MILEAGE	7.15	214.50
CE0710	25.43	ton mileage delivery	1.75	1335.07
CC5862	175 sks	thixobland III	26.00	4550.00
CC6077	875 #	Kolseal	50	43750
CC5831	400 sks	lite blend VII	17.50	7000.00
CC6075	100 #	floccul	3.00	300.00
CC6125	500 gal	mud flush	65	32500
CP8485	1	5 1/2 AFU float stop	585.00	585.00
CP8254	1	5 1/2 latch down gassy	400.00	400.00
CP8554	10	5 1/2 centralizers	81.00	810.00
CP8624	1	5 1/2 basket	385.00	385.00
CP8804	1	5 1/2 DV Tool	5970.00	5970.00
			Subtotal	25112.07
			-40%	10044.83
			Subtotal	15067.24
			SALES TAX	934.32
			ESTIMATED TOTAL	16001.56

AVIN 3737
 AUTHORIZATION [Signature] TITLE _____ DATE _____

I acknowledge that the payment terms, unless specifically amended in writing on the front of the form or in the customer's account records, at our office, and conditions of service on the back of this form are in effect for services identified on this form.

DAVID D MONTAGUE

GEOLOGIST'S REPORT

DRILLING TIME AND SAMPLE LOG

COMPANY **KWILGTON OIL COMPANY, INC.**

LEASER **GOODMAN, No. 1**

FIELD **Wildcat**

LOCATION **398' F.W.L. & 771' F.W.L.**

SEC. **14** T1NSP **18** R0E **21W**

COUNTY **LANE** STATE **KANSAS**

CONTRACTOR **W.W. DRILLING**

SPUD **3/27/17** COMPLETION **4/6/17**

RTD **4650'** LTD **4644'**

MUD UP **3308'** TYPE MUD **Chemical**

SAMPLES SAVED FROM **3650'** TO **RTD**

DRILLING TIME KEPT FROM **3650'** TO **RTD**

SAMPLES EXAMINED FROM **3650'** TO **RTD**

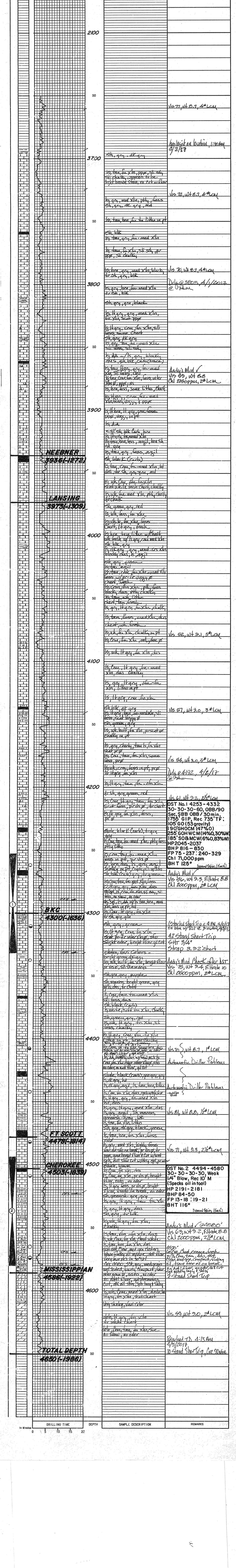
GEOLOGICAL SUPERVISION FROM **3900'** TO **RTD**

GEOLOGIST ON WELL **Dave Montague (A.P.I. 15-101-23584-00-001)**

DATE	SPUD	NO.	SIZE	WELL	TYPE	DEPTH	FEET	HOURS
3/27/17	276'	1	12 1/2" Smith	276'				4.3
3/28/17	276'	2	7 7/8" Smith	450'				4.3
3/29/17	1872' D.H.G.							
3/30/17	2669' D.H.G.							
3/31/17	3212' D.H.G.							
4/1/17	3805' D.H.G.							
4/2/17	4192' D.H.G.							
4/3/17	4332' T.O.H.							
4/4/17	4570' C.F.E.S.							
4/5/17	4650' T.O.H. D.H.G.							
4/6/17	4650' Casinghead							

NO.	Interval	HT/Min	HT/2Min	HT/3Min	HT/4Min	HT/5Min	HT/6Min	HT/7Min	HT/8Min	HT/9Min	HT/10Min	HT/11Min	HT/12Min	HT/13Min	HT/14Min	HT/15Min	HT/16Min	HT/17Min	HT/18Min	HT/19Min	HT/20Min	HT/21Min	HT/22Min	HT/23Min	HT/24Min	HT/25Min	HT/26Min	HT/27Min	HT/28Min	HT/29Min	HT/30Min	HT/31Min	HT/32Min	HT/33Min	HT/34Min	HT/35Min	HT/36Min	HT/37Min	HT/38Min	HT/39Min	HT/40Min	HT/41Min	HT/42Min	HT/43Min	HT/44Min	HT/45Min	HT/46Min	HT/47Min	HT/48Min	HT/49Min	HT/50Min	HT/51Min	HT/52Min	HT/53Min	HT/54Min	HT/55Min	HT/56Min	HT/57Min	HT/58Min	HT/59Min	HT/60Min	HT/61Min	HT/62Min	HT/63Min	HT/64Min	HT/65Min	HT/66Min	HT/67Min	HT/68Min	HT/69Min	HT/70Min	HT/71Min	HT/72Min	HT/73Min	HT/74Min	HT/75Min	HT/76Min	HT/77Min	HT/78Min	HT/79Min	HT/80Min	HT/81Min	HT/82Min	HT/83Min	HT/84Min	HT/85Min	HT/86Min	HT/87Min	HT/88Min	HT/89Min	HT/90Min	HT/91Min	HT/92Min	HT/93Min	HT/94Min	HT/95Min	HT/96Min	HT/97Min	HT/98Min	HT/99Min	HT/100Min
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DEPTH	DESCRIPTION	REMARKS
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