

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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GLOBAL OIL FIELD SERVICES, LLC

Invoice

24 S. Lincoln
RUSSELL, KS 67665

Date	Invoice #
3/7/2017	2851

Bill To
KNIGHTON OIL PO BOX 1580 HAYS KS 67601

P.O. No.	Terms	Project
SUITER#A-1	Due on receipt	

Quantity	Description	Rate	Amount
120	COMMON	16.00	1,920.00
80	POZ	9.50	760.00
6	CALCIUM	59.00	354.00
4	GEL	21.50	86.00
210	HANDLING	1.90	399.00
	BULK MILEAGE	420.00	420.00
1	TRI-PLEX PUMP CHARGE FOR SURFACE	750.00	750.00
10	PUMP TRUCK MILEAGE	7.00	70.00
10	PICKUP FOR TRANSPORTATION OF GOODS TO JOB SITE	3.00	30.00
	DISCOUNT IF PAID WITHIN 15 DAYS OF INVOICE	-1,200.37	-1,200.37
	Sales Tax	7.50%	0.00

*OK
DDM
A. Suiter, No. 1
Surface Pipe*

Thank you for your business.

Total \$3,588.63

GLOBAL OIL FIELD SERVICES, LLC

2851

REMIT TO 24 S. Lincoln
Russell, KS 67665

SERVICE POINT: Russell

DATE <u>3-2-17</u>	SEC. <u>8</u>	TWP. <u>25</u>	RANGE <u>15W</u>	CALLED OUT	ON LOCATION	JOB START	JOB FINISH
LEASE <u>Surface</u>		WELL # <u>1</u>		LOCATION <u>11111111111111111111</u>		COUNTY <u>Stafford</u>	STATE <u>KS</u>
OLD OR NEW (CIRCLE ONE) _____							

CONTRACTOR Royal Drilling

TYPE OF JOB _____

HOLE SIZE _____ I.D. 2 3/4

CASING SIZE _____ DEPTH _____

TUBING SIZE _____ DEPTH _____

DRILL PIPE 1 1/2 DEPTH _____

TOOL _____ DEPTH _____

PRES. MAX _____ MINIMUM _____

MEAS. LINE _____ SHOE JOINT _____

CEMENT LEFT IN CSG. 15

PERFS _____

DISPLACEMENT 19.3 EQUIPMENT _____

PUMP TRUCK # 40 CEMENTER Bill HELPER Jason

BULK TRUCK # _____ DRIVER Chris

BULK TRUCK # _____ DRIVER _____

OWNER _____

CEMENT AMOUNT ORDERED _____

2000lb 60/100 3% CC 2% GEL

COMMON _____ @ _____

POZMIX _____ @ _____

GEL _____ @ _____

CHLORIDE _____ @ _____

ASC _____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

HANDLING _____ @ _____

MILEAGE _____ @ _____

TOTAL _____

REMARKS:

Ran 9 jobs of cement

3/1/17

containing 60/100 3-2

pump plug with 193 bbl of water

cont. chd. circ

CHARGE TO: Knights Oil Co

STREET _____

CITY _____ STATE _____ ZIP _____

Global Oil Field Services, LLC

You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

PRINTED NAME Doug Budig

SIGNATURE Doug Budig

SERVICE

DEPTH OF JOB _____

PUMP TRUCK CHARGE _____

EXTRA FOOTAGE _____ @ _____

MILEAGE _____ @ _____

MANIFOLD _____ @ _____

_____ @ _____

TOTAL _____

PLUG & FLOAT EQUIPMENT

_____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

TOTAL _____

SALES TAX (If Any) _____

TOTAL CHARGES _____

DISCOUNT _____ IF PAID IN 30 DAYS

GLOBAL OIL FIELD SERVICES, LLC

24 S. Lincoln
RUSSELL, KS 67665

Invoice

Date	Invoice #
3/13/2017	2836

Bill To
KNIGHTON OIL PO BOX 1580 HAYS KS 67601

P.O. No.	Terms	Project
A SUITER#1	Due on receipt	

Quantity	Description	Rate	Amount
132	COMMON	16.00	2,112.00
88	POZ	9.50	836.00
8	GEL	21.50	172.00
56.25	FLO-SEAL	2.00	112.50
228	HANDLING	1.90	433.20
	BULK MILEAGE	182.40	182.40
1	TRI-PLEX PUMP CHARGE FOR PLUG	750.00	750.00
10	PUMP TRUCK MILEAGE	7.00	70.00
10	PICKUP FOR TRANSPORTATION OF GOODS TO JOB SITE	3.00	30.00
	DRY HOLE PLUG	62.50	62.50
	DEDUCT 20% FROM TOTAL IF PAID WITHIN 15 DAYS OF INVOICE BARTON CO	7.50%	0.00

Thank you for your business.

Total \$4,760.60

GLOBAL OIL FIELD SERVICES, LLC

2828

REMIT TO 24 S. Lincoln
Russell, KS 67665

SERVICE POINT:
Russell, KS

DATE 3-9	SEC.	TWP.	RANGE	CALLED OUT	ON LOCATION	JOB START	JOB FINISH 9:30 pm
LEASE A SURFACE	WELL # 1	LOCATION MACKENZIE, KS			COUNTY SAFFORD	STATE KS	
OLD OR <u>NEW</u> (CIRCLE ONE)							

CONTRACTOR Royal Drilling

TYPE OF JOB PLUG

HOLE SIZE 1 1/2	T.D.
CASING SIZE	DEPTH
TUBING SIZE	DEPTH
DRILL PIPE 4 1/2	DEPTH 4900'
TOOL	DEPTH
PRES. MAX.	MINIMUM
MEAS. LINE	SHOE JOINT
CEMENT LEFT IN CSG.	
PERFS	
DISPLACEMENT	

EQUIPMENT	
PUMP TRUCK # 409	CEMENTER Brad
	HELPER Cody
BULK TRUCK #	DRIVER CHRIS
BULK TRUCK #	DRIVER

REMARKS:	
1st 4900'	505x RAT 305x
2nd 1000'	505x MOUSE 205x
3rd 300'	505x
4th 600'	505x

CHARGE TO: Kniskern Oil Co Inc

STREET _____

CITY _____ STATE _____ ZIP _____

Global Oil Field Services, LLC
 You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

PRINTED NAME Doug Budig

SIGNATURE Doug Budig

OWNER

CEMENT AMOUNT ORDERED	2205x 60/40 102
	4% GEL
COMMON	@
POZMIX	@
GEL	@
CHLORIDE	@
ASC	@
	@
	@
	@
	@
	@
	@
	@
HANDLING	@
MILEAGE	@
TOTAL	

SERVICE	
DEPTH OF JOB	
PUMP TRUCK CHARGE	
EXTRA FOOTAGE	@
MILEAGE	@
MANIFOLD	@
	@
	@
TOTAL	

PLUG & FLOAT EQUIPMENT	
	@
	@
	@
	@
	@
TOTAL	

SALES TAX (If Any) _____

TOTAL CHARGES _____

DISCOUNT _____ IF PAID IN 30 DAYS



DIAMOND TESTING, LLC
P.O. Box 157
HOISINGTON, KANSAS 67544
(620) 653-7550 • (800) 542-7313
ASUITER1DST1

Company Knighton Oil Company, Inc. Lease & Well No. A. Suiter No. 1
Elevation 2043 KB Formation Lansing "H" Effective Pay Ft. Ticket No. F470
Date 3-7-17 Sec. 8 Twp. 25S Range 15W County Stafford State Kansas
Test Approved By David D. Montague Diamond Representative Jake Fahrenbruch

Formation Test No. 1 Interval Tested from 3,919 ft. to 3,939 ft. Total Depth 3,939 ft.
Packer Depth 3,914 ft. Size 6 3/4 in. Packer Depth ft. Size in.
Packer Depth 3,919 ft. Size 6 3/4 in. Packer Depth ft. Size in.
Depth of Selective Zone Set ft.

Top Recorder Depth (Inside) 3,921 ft. Recorder Number 5951 Cap. 5,000 psi.
Bottom Recorder Depth (Outside) 3,922 ft. Recorder Number 5586 Cap. 5,000 psi.
Below Straddle Recorder Depth ft. Recorder Number Cap. psi.

Drilling Contractor Royal Drilling, Inc. - Rig 1 Drill Collar Length ft. I.D. in.
Mud Type Chemical Viscosity 52 Weight Pipe Length ft. I.D. in.
Weight 9.2 Water Loss 10.2 cc. Drill Pipe Length 3,891 ft. I.D. 3 1/2 in.
Chlorides 4,000 P.P.M. Test Tool Length 28 ft. Tool Size 3 1/2-IF in.
Jars: Make Sterling Serial Number 5 Anchor Length 20 ft. 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: Blow increasing to 7 ins. in 30 mins. No blow back during shut-in.

2nd Open: Blow increasing to 3 1/4 ins. in 30 mins. No blow back during shut-in.

Recovered 45 ft. of oil specked, water cut mud = .640350 bbls. (Grind out: 3%-oil; 20%-water; 77%-mud)
Recovered ft. of Chlorides: 124,000 Ppm PH: 7.0 RW: .16 @ 30°
Recovered ft. of
Recovered ft. of
Recovered ft. of
Recovered ft. of

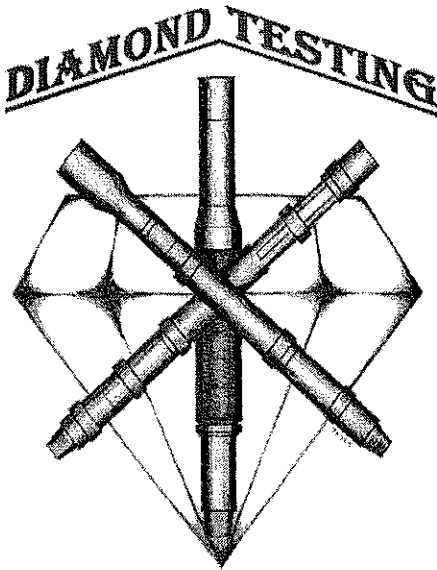
Remarks

Time Set Packer(s) 7:20 P.M. Time Started off Bottom 9:50 P.M. Maximum Temperature 110°
Initial Hydrostatic Pressure.....(A) 1938 P.S.I.
Initial Flow Period.....Minutes 30 (B) 37 P.S.I. to (C) 42 P.S.I.
Initial Closed In Period.....Minutes 30 (D) 927 P.S.I.
Final Flow Period.....Minutes 30 (E) 39 P.S.I. to (F) 46 P.S.I.
Final Closed In Period.....Minutes 60 (G) 955 P.S.I.
Final Hydrostatic Pressure.....(H) 1930 P.S.I.

DIAMOND TESTING GENERAL REPORT

Jake Fahrenbruch, Tester

Cell: (620) 282-8977 / Office: (800) 542-7313



TEST INFORMATION

Well Name	A. Suiter #1
Company Name	Knighton Oil Co. Inc.
Formation	DST #1, Lansing "H" 3919'-3939'
Test Type	Bottom-Hole w/Jars & Safety Joint
Surface Location	Sec 8-25s-15w-Stafford Co.-KS
KB Elevation (SL)	2043.000
Gauge Name	5951
Start Test Date	2017/03/07
Start Test Time	17:26:00
Final Test Date	2017/03/07
Final Test Time	23:40:00
Job Number	F470
Contact	Dave Montague
Site Contact	Dave Montague

TEST RESULTS

Initial flow, blow increased to 7" in 30 minutes. No blowback.
 Final flow, blow increased to 3.25" in 30 minutes. No blowback.

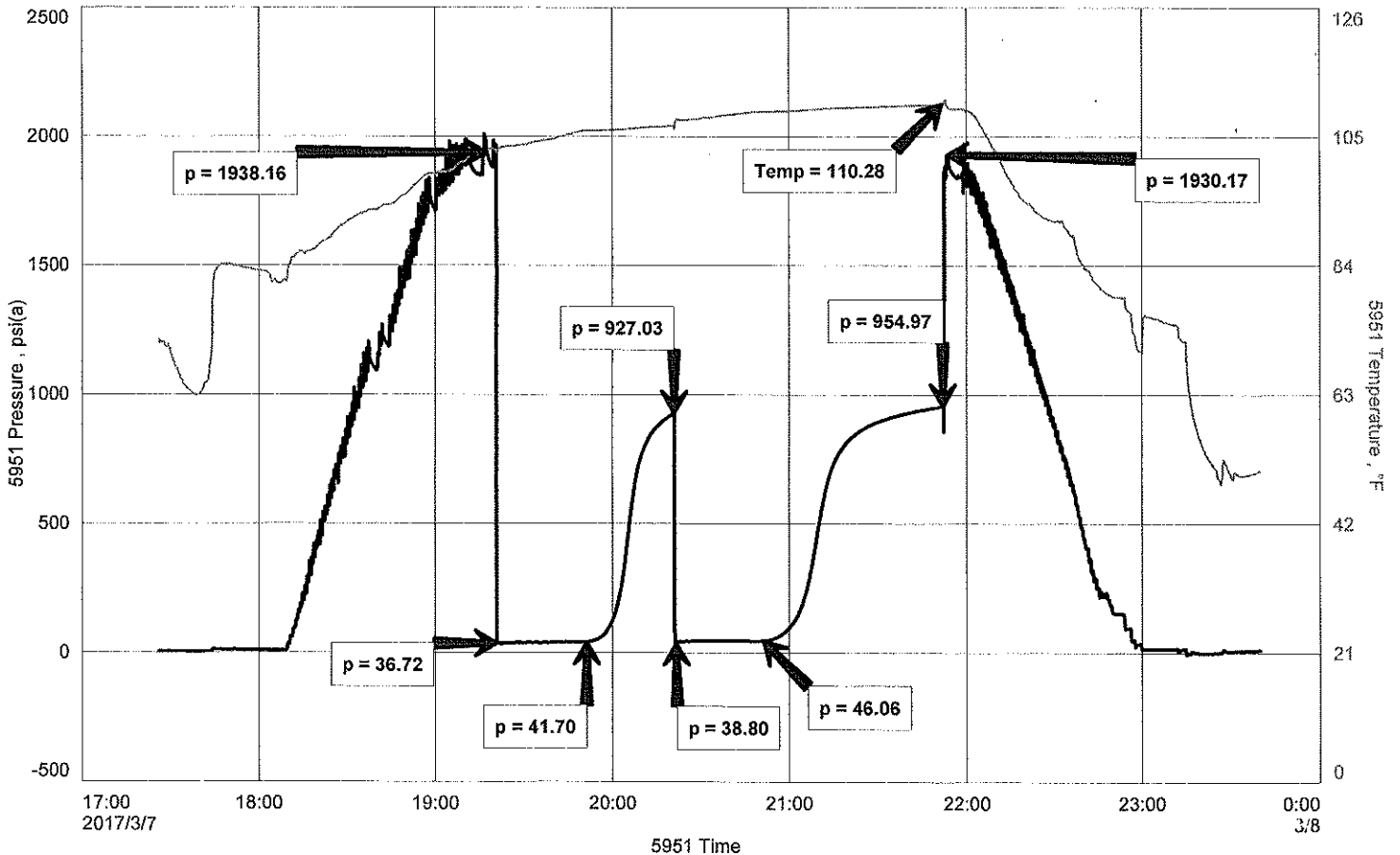
Recovered 45' of OSWCM; 3% oil, 20% wtr, 77% mud

----- Chlorides: 124,000 PPM ----- PH: 7.0 ----- RW: .16 ohm @ 30 F -----

Knighton Oil Co. Inc.
 DST #1 Lansing "H" 3919'-3939'
 Start Test Date: 2017/03/07
 Final Test Date: 2017/03/07

A. Suiter #1
 Formation: DST #1 Lansing "H" 3919'-3939'
 Pool: WILDCAT
 Job Number: F470

A. SUITER #1



Knighthon Oil Co. Inc.

DST #1 Lansing "H" 3919-3939'

Start Test Date: 2017/03/07

Final Test Date: 2017/03/07

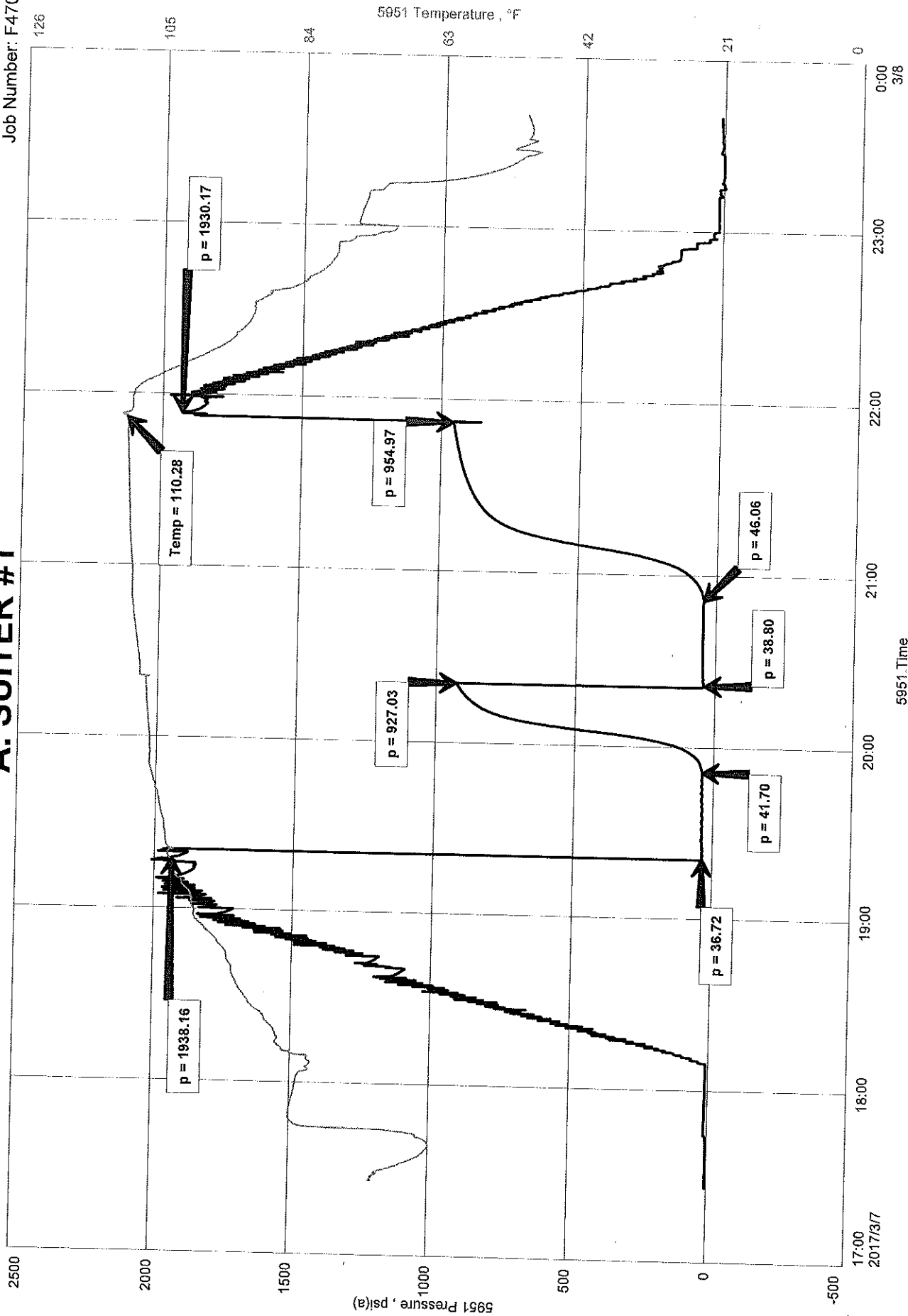
A. Suiter #1

Formation: DST #1 Lansing "H" 3919'-3939'

Pool: WILDCAT

Job Number: F470

A. SUITER #1



DAVID D MONTAGUE

GEOLOGIST'S REPORT

DRILLING TIME AND SAMPLE LOG

COMPANY KNIGHTON OIL COMPANY, INC.

LEASE A. SUTTER, No. 1

FIELD CHILDS

LOCATION 1918 FSL B 547' EEL

SEC 8 TWP 25 S R0E 15W

COUNTY Stafford STATE KANSAS

CONTRACTOR ROYAL DRILLING INC

SPUD 3/2/2017 COMP 3/9/2017

RID 4557 LTO

MUD W/ 2850 TYPE MUD Chemical

SAMPLES SAVED FROM 2900' TO RID

DRILLING TIME KEPT FROM 2900' TO RID

SAMPLES EXAMINED FROM 2900' TO RID

GEOLOGICAL SUPERVISION FROM 3600' TO RID

GEOLOGIST ON WELL Dave Montague, P.E. 15-188-23980-00-001

FORMATION TOS LOC SAMPLES

ANFORDITE 978 (+1063)

HEEBNER 3637 (-1594)

BROWN LIME 3785 (-1743)

LANSING 3795 (-1753)

MCCLESPIGAN 4053 (-2023)

KINDERHOOK 4260 (-2217)

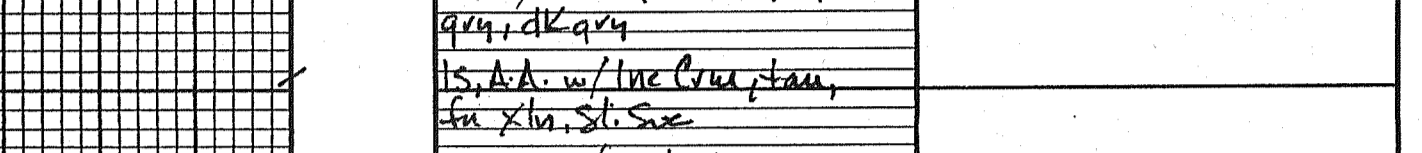
SIMPSON SHALE 4449 (-2406)

ARBUCKLE 4530 (-2487)

DATE	DEPTH	NO	SIZE	WAVE	TYPE	DEPTH OUT	FEET	INCHES
3/2/17	Spud 319 Surface							
3/4/17	1420 D19							
3/5/17	2635 D19							
3/6/17	3675 D19							
3/7/17	3855 D19							
3/8/17	4035 D19							
3/9/17	4457 D19							
3/10/17	D.B.A. at 4557'							

NO.	Interval	FFI/In	ISI/In	FFI/In	ISI/In	HH/In	REMARKS
1	3919-3939	90.42	927	59.24	955	1936-	48' OSWCM (5.10, 20.1% v/v, 7.7% w/v) Chl 4000ppm

LEGEND



SCALE 1" = 100'

