



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1087504
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
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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: _____

1087504

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 <i>(Attach Additional Sheets)</i>	<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:	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				

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)*

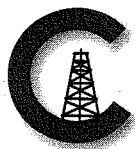
Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record <i>(Amount and Kind of Material Used)</i>	Depth

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

Date of First, Resumed Production, SWD or ENHR: _____ Producing Method:
 Flowing Pumping Gas Lift 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 <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> <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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CONSOLIDATED
Oil Well Services, LLC

REMIT TO
Consolidated Oil Well Services, LLC
Dept. 970
P.O. Box 4346
Houston, TX 77210-4346

MAIN OFFICE
P.O. Box 884
Chanute, KS 66720
620/431-9210 • 1-800/467-8676
Fax 620/431-0012

INVOICE

Invoice # 250770

Invoice Date: 06/26/2012 Terms:

Page 1

KNIGHTON OIL CO
BUILDING 100 SUITE A
1700 N. WATERFRON PARKWAY
WICHITA KS 67206
(316) 264-7918

TROWBRIDGE #5
36204
1-16S-7E
06-19-12
KS

Part Number	Description	Qty	Unit Price	Total
1104S	CLASS "A" CEMENT (SALE)	120.00	14.9500	1794.00
1102	CALCIUM CHLORIDE (50#)	240.00	.7400	177.60
1107	FLO-SEAL (25#)	25.00	2.3500	58.75
Description		Hours	Unit Price	Total
442	TON MILEAGE DELIVERY	462.48	1.34	619.72
603	CEMENT PUMP (SURFACE)	1.00	825.00	825.00
603	EQUIPMENT MILEAGE (ONE WAY)	82.00	4.00	328.00

=====
Parts: 2030.35 Freight: .00 Tax: 148.21 AR 3951.28
Labor: .00 Misc: .00 Total: 3951.28
Subt: .00 Supplies: .00 Change: .00
=====

Signed _____

Date _____

BARTLESVILLE, OK
918/338-0808

EL DORADO, KS
316/322-7022

EUREKA, KS
620/583-7664

PONCA CITY, OK
580/762-2303

OAKLEY, KS
785/672-2227

OTTAWA, KS
785/242-4044

THAYER, KS
620/839-5269

GILLETTE, WY
307/686-4914



CONSOLIDATED
Oil Well Services, LLC

TICKET NUMBER 36204

LOCATION 180

FOREMAN LARRY STORM

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

FIELD TICKET & TREATMENT REPORT

CEMENT APT-15-127-20593

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
6-19-12	4495	Trowbridge #5	1	165	7E	Monroe
CUSTOMER <u>Knighton Oil Co</u>						
MAILING ADDRESS <u>1700 W Waterfront Hwy Rd 100 #4</u>						
CITY <u>Wichita</u>		STATE <u>KS</u>	ZIP CODE <u>67206</u>			
TRUCK #	DRIVER	TRUCK #	DRIVER			
<u>603</u>	<u>JEFF</u>	<u>254</u>	<u>MARK</u>			
<u>539</u>	<u>LARRY</u>					

JOB TYPE Surface B HOLE SIZE 12 1/4 HOLE DEPTH _____ CASING SIZE & WEIGHT 8 5/8
 CASING DEPTH 201 DRILL PIPE _____ TUBING _____ OTHER _____
 SLURRY WEIGHT 15.0 SLURRY VOL _____ WATER gal/sk _____ CEMENT LEFT in CASING 25
 DISPLACEMENT 11.25 DISPLACEMENT PSI 200 MIX PSI 0 RATE 6.2 bbl/s

REMARKS: Spoke Circulation - Mixed 120 sks At 3 1/2 CAPI 2 + 4 1/2 Poly - Make displaced with 1000 lbs Freshwater Circulated Cement to Surface

Displaced 115 @ bbls

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
<u>5401.5</u>	<u>1</u>	<u>PUMP CHARGE</u>	<u>825.00</u>	<u>825.00</u>
<u>5406</u>	<u>82</u>	<u>MILEAGE</u>	<u>4.00</u>	<u>328.00</u>
<u>11045</u>	<u>120 sks A</u>		<u>14.95</u>	<u>1794.00</u>
<u>1102</u>	<u>340 165 CAPI 2</u>		<u>.74</u>	<u>177.60</u>
<u>1107</u>	<u>85 lbs Poly</u>		<u>2.35</u>	<u>58.75</u>
<u>5407A</u>	<u>82</u>	<u>Bulk DePorexly x 5.64 tons x</u>	<u>1.34</u>	<u>619.72</u>
		<u>Subtotal</u>		<u>3803.07</u>
			SALES TAX	<u>149.21</u>
			ESTIMATED TOTAL	<u>3951.88</u>

Ravin 3737

250710

AUTHORIZATION [Signature] TITLE Tool Pusher DATE 6-19-12

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

REMIT TO
Consolidated Oil Well Services, LLC
Dept. 970
P.O. Box 4346
Houston, TX 77210-4346

MAIN OFFICE
P.O. Box 884
Chanute, KS 66720
620/431-9210 • 1-800/467-8676
Fax 620/431-0012

INVOICE

Invoice # 250819

Invoice Date: 06/26/2012 Terms:

Page 1

KNIGHTON OIL CO
BUILDING 100 SUITE A
1700 N. WATERFRON PARKWAY
WICHITA KS 67206
(316) 264-7918

TROWBRIDGE #5
34842
1-16S-7E
06-21-12
KS

Part Number	Description	Qty	Unit Price	Total
1131	60/40 POZ MIX	125.00	12.5500	1568.75
1118B	PREMIUM GEL / BENTONITE	430.00	.2100	90.30
1102	CALCIUM CHLORIDE (50#)	215.00	.7400	159.10
4411	8 5/8" RUBBER PLUG (TOP)	1.00	108.0000	108.00
4432	8 5/8" WOODEN PLUG	1.00	80.0000	80.00
Description		Hours	Unit Price	Total
445	P & A NEW WELL	1.00	1030.00	1030.00
445	EQUIPMENT MILEAGE (ONE WAY)	80.00	4.00	320.00
667	TON MILEAGE DELIVERY	429.60	1.34	575.66

Parts:	2006.15	Freight:	.00	Tax:	146.44	AR	4078.25
Labor:	.00	Misc:	.00	Total:	4078.25		
Sublt:	.00	Supplies:	.00	Change:	.00		

Signed _____

Date _____

BARTLESVILLE, OK
918/338-0808

EL DORADO, KS
316/322-7022

EUREKA, KS
620/583-7664

PONCA CITY, OK
580/762-2303

OAKLEY, KS
785/672-2227

OTTAWA, KS
785/242-4044

THAYER, KS
620/839-5269

GILLETTE, WY
307/686-4914



CONSOLIDATED
Oil Well Services, LLC



ENTERED

TICKET NUMBER 34842

LOCATION Eureka, KS

FOREMAN Shannon Feck

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

FIELD TICKET & TREATMENT REPORT

CEMENT API # 15-127-20593

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
6-21-12	4493	Trowbridge #5	1	165	7E	Morris
CUSTOMER Knighton Oil Company Inc.			Gulick			
MAILING ADDRESS 1700 N WaterFront Pky			DRLLG			
CITY Wichita						
STATE KS		ZIP CODE 67206				
TRUCK #		DRIVER		TRUCK #		DRIVER
445		Dave G				
667		Chris B				

JOB TYPE P.T.A ⁰ HOLE SIZE 12 1/4 Surface 7 3/4" HOLE DEPTH 1730' CASING SIZE & WEIGHT _____
 CASING DEPTH _____ DRILL PIPE 4 1/2" TUBING _____ OTHER _____
 SLURRY WEIGHT _____ SLURRY VOL _____ WATER gal/sk _____ CEMENT LEFT in CASING _____
 DISPLACEMENT _____ DISPLACEMENT PSI _____ MIX PSI _____ RATE _____

REMARKS: Safety Meeting, Rig up to 4 1/2" drill pipe & set following plug.

Rig had circulation problems - pushed 8 5/8" Rubber Plug to 250', Pumped 35 SKS @ 250'. Pushed 8 5/8" wooden plug 60' down surface pipe & pumped 25 SKS 60' to surface.

250' - 35 SKS 60 to surface finally held after
60' to surface - 65 SKS pumping 65 SKS
Rathole - 25 SKS
- 125 total Sacks

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5405 N	1	PUMP CHARGE	1030.00	1030.00
5406	80	MILEAGE	4.00	320.00
1131	125 SKS	60/40 Pozmix Cement	12.55	1568.75
1118 B	430 #	Gel @ 4%	.21	90.30
1102	215 #	Calcium @ 2%	.74	159.10
5407 A	5.37 Tons	Ton mileage bulk truck	1.34/mile	575.66
4411	1	8 5/8" Top Rubber Plug	108.00	108.00
4432	1	8 5/8" wooden plug	80.00	80.00
			Sub Total	3931.81
			SALES TAX 7.3%	146.44
			ESTIMATED TOTAL	4078.25

Ravin 3737

250819

AUTHORIZATION [Signature] TITLE Tool Pusher DATE 6-21-12

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 KNIGHTON OIL COMPANY, INC
 LEASE Trowbridge No. 5
 FIELD Wilsey NE
 LOCATION 3392' FSL & 1384' FEL
 SEC 1 TWSP 16S RGE 7E
 COUNTY Morris STATE Kansas

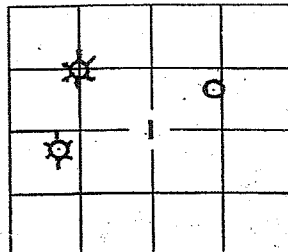
ELEVATIONS
 KB 1467
 DF _____
 GL 1459
 Measurements Are All
 From KB

CONTRACTOR Gulick Drilling Company
 SPUD 6/18/12 COMP 6/21/12
 RTD 1730' LTD _____
 MUD UP 900' TYPE MUD Chemical

CASING
 SURFACE 20", 85/8" w/120sx
 PRODUCTION _____
 ELECTRICAL SURVEYS
 — NONE —

SAMPLES SAVED FROM 1000' TO RTD
 DRILLING TIME KEPT FROM 900' TO RTD
 SAMPLES EXAMINED FROM 1000' TO RTD
 GEOLOGICAL SUPERVISION FROM 1200' TO RTD
 GEOLOGIST ON WELL Dave Montague, (API 15-127-20593-00-00)

FORMATION TOPS	LOG	SAMPLES
HEEBNER		1222 (+242)
TATAN		1449 (+18)
LANSING		1457 (+10)



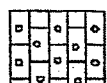
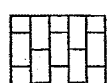


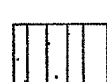




DAILY PENETRATION		BIT RECORDS						
DATE	DEPTH	NO	SIZE	MAKE	TYPE	DEPTH OUT	FEET	HOURS
6/18/12	M.I.R.U., Spud							
6/19/12	201', W.O.C.							
6/20/12	1185' Drlg							
6/21/12	1580' Drlg							
6/22/12	1730' P8A							

DRILL STEM TESTS							
No.	Interval	IFP/Time	ISIP/Time	FFP/Time	FSIP/Time	IHH-FHH	RECOVERY

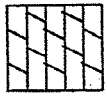
REMARKS AND RECOMMENDATIONS _____

LEGEND

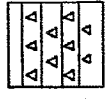
-  Dolomite
-  Chert
-  Dol. Lime
-  Limestone
-  Carb. sh
-  Shale
-  Sandstone
-  Salt
-  Anhydrite

HOURS

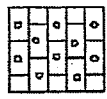
LEGEND



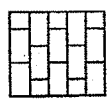
Dolomite



Chert



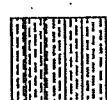
Dol. Lime



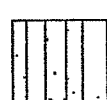
Limestone



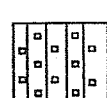
Carb. sh



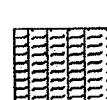
Shale



Sandstone



Salt



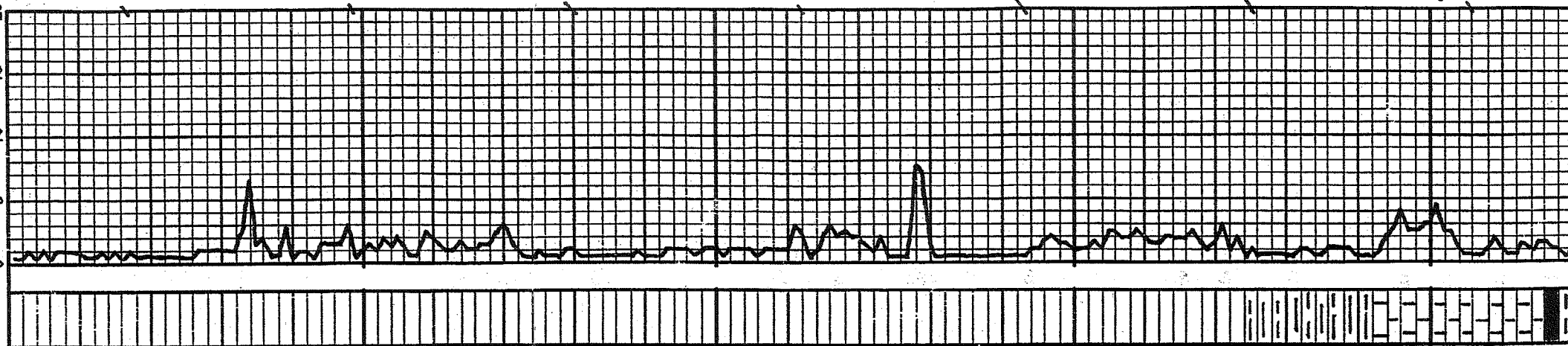
Anhydrite

SCALE " = 100'

DEPTH	SAMPLE DESCRIPTION	REMARKS
900		
50		
1000		
50		
1100		

DRILLING TIME

In Minutes



Siltstone, mica w/ sh
 gray, salt, sil mica
 sh, gray, salt, silty in pt
 ls, low, tan, brown, med-
 coarse, cherty, in pt
 ls, tan, con, tan-med sh
 silty, bright green
 sh

1100

ls, low, tan, ben, med-
cos Xln, cherty in pt

ls, tan, con, fa-med Xln
sh, grey, br bright green
sh

sh, blk, br carb
sh, dk grey sh, dull in pt

ls, tan, grey, fa-med Xln
hd, foss in pt w/sh, grey

sh, grey

sh, grey

sh, grey

1200

ls, grey, con, fa, Xln

sh, black (carb)
sh, con, tan, fa-med Xln
tr, bright green, tr, grey sh

sh, grey-green, soft
sh, grey-green

50

1300

sh, grey

sh, grey

fold valid ✓
4ms, S. 10T, 4# Lam
WL 14.2, CW 500 FT

NE ERIER
122212221

50

1400

50

1500

50

1600

ls, med, med-fn xln, blocky

sh, gray, slt silty

sh, gray

ls, tan, fn xln, ind

sh, gray + gray-green
ls, ft gray, congl, fn xln
fine oil is w/ fr occ sp, soft
w/ ls slt size. ind xln, p, state
sh, med

ls, wh. ft gray, fn xln

no vis p, vs

sh, black (cont) bright gray
gray

ls, congl, tan, fn xln, pthy
blocky, pthy, med, ind, xln

sh, gray w/ ls gray argil
ls, congl, wh, fn xln

sh, gray + slt silty

sh + gray + pthy silty

sh, brown med, gray-green
gray w/ ls congl, tan, ind

gray fn - med xln, foss, dur
ls, gray med xln, argil, foss

fr ls, congl, fn xln, foss,
congl med

ls, congl, fn xln, foss, congl
med pellets, compact

ls, congl, fn xln, slt silty
med pt, pty w/ 50% green,
bright green, gray sh

ls, dk tan, ft - fn xln
sh, ind

ls, dk tan, fn - med xln

4N15, 2.1wt, 4# LCM

3B15, 2.1wt, 2# LCM

NST #1 1452 to 1465

30-30' 30-30, 5B
08B/15 sec, Rec'ies'

GMW (20% G, 49% SV,
49% M) few spks oil

HP 719, 690

EXP 405-477, FP11-65
05-569

4N15, 9.2wt, 3# LCM

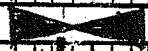
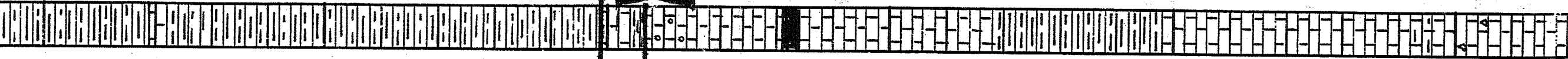
IATAN

LANSING

145274101

— CES

— CES



15, <i>crn, fu xln, loss, com</i> <i>not pellets, compact</i>		
1/2, <i>crn, fu xln, slt, sdy</i> <i>in pt, prep w/ 30% green,</i> <i>brnght green, gray sk</i>		
1/2, <i>dk tan, fu - fu xln</i> <i>slt, hd</i>		
1/2, <i>dk tan, fu - med xln</i> <i>slt, hd</i>		
1/2, <i>w/lt 1/2 gray, fu xln</i> <i>dns, slt</i>		
1/2, <i>gray - tan, med - fu xln</i> <i>slt, hd</i>		
1/2, <i>dk tan - gray, med xln</i> <i>blocky, dns</i>		
<i>sh, gray, green, tr purple</i>		
<i>sh, black, dk gray</i>		
1/2, <i>gray, slt, brn, black,</i> <i>w/lt dk gray, avg. 1</i>		
1/2, <i>1/2 gray, com, blk, fu xln</i> <i>w/short, tan, fresh, sharp</i>		
<i>h.a.</i>		
<i>lost returns</i>		
<i>pull up 13 stands, table</i> <i>empty, mixing mud</i>		

1600

50

1700

50

1800

3# 1/2, 9.0 int, 3# 1/2 CM

3# 1/2, 9.0 int, 3# 1/2 CM

3# 1/2, 9.3 int, 3 1/2 CM

lost circ, 60 lbs approx

Mixed 90bl, got
returns back with
-total load

had mud ✓ prior to
lost circ
33 lbs, 9.4 int, chl
8800 ppm

In Minutes	DRILLING TIME				DEPTH	SAMPLE DESCRIPTION	REMARKS
	0	5	10	15			

In Minutes

0 5 10 15 20

DEPTH

SAMPLE DESCRIPTION

REMARKS

Conservation Division
Finney State Office Building
130 S. Market, Rm. 2078
Wichita, KS 67202-3802



Phone: 316-337-6200
Fax: 316-337-6211
<http://kcc.ks.gov/>

Mark Sievers, Chairman
Ward Loyd, Commissioner
Thomas E. Wright, Commissioner

Sam Brownback, Governor

July 16, 2012

Earl M. Knighton, Jr
Knighton Oil Company, Inc.
1700 N WATERFRONT PKY
BLDG 100 STE A
WICHITA, KS 67206

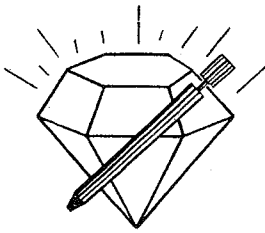
Re: ACO1
API 15-127-20593-00-00
Trowbridge 5
NE/4 Sec.01-16S-07E
Morris County, Kansas

Dear Production Department:

We are herewith requesting that the Well Completion Form ACO-1 and attached information for the subject well be held confidential for a period of two years.

Should you have any questions or need additional information regarding subject well, please contact our office.

Respectfully,
David D. Montague



DIAMOND TESTING

P.O. Box 157
HOISINGTON, KANSAS 67544
(620) 653-7550 • (800) 542-7313
STC 30037.D344

Company Knighton Oil Company, Inc. Lease & Well No. Trowbridge No. 5

Elevation 1462 EGL Formation Lansing "A" Effective Pay -- Ft. Ticket No. M344

Date 6-20-12 Sec. 1 Twp. 16S Range 7E County Morris State Kansas

Test Approved By David D. Montague Diamond Representative Michael Cochran

Formation Test No. 1 Interval Tested from 1,452 ft. to 1,465 ft. Total Depth 1,465 ft.

Packer Depth 1,447 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.

Packer Depth 1,452 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.

Depth of Selective Zone Set ft.

Top Recorder Depth (Inside) 1,434 ft. Recorder Number 30037 Cap. 6,000 psi

Bottom Recorder Depth (Outside) 1,462 ft. Recorder Number 13386 Cap. 3,875 psi

Below Straddle Recorder Depth ft. Recorder Number Cap. psi

Drilling Contractor Gulick Drilling Company, Inc. - Rig 2 Drill Collar Length 339 ft. I.D. 2 1/4 in.

Mud Type Chemical Viscosity 44 Weight Pipe Length -- ft. I.D. -- in.

Weight 9.1 Water Loss 14.4 cc. Drill Pipe Length 1,081 ft. I.D. 3 1/2 in.

Chlorides 5,800 P.P.M. Test Tool Length 32 ft. Tool Size 3 1/2 - IF in.

Jars: Make Sterling Serial Number 1 Anchor Length 13 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: Strong, surface blow. Off bottom of bucket in 15 secs. No blow back during shut-in.

2nd Open: Weak, surface blow, building to 8 ins. No blow back during shut-in.

Recovered 185 ft. of gassy muddy water with a few spots of oil = .910200 bbls. (Grind out: 2%-gas; 49%-salty water; 49%-mud)*

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks Tool Sample Grind Out: salty water with some spots of oil & a slight odor

*Sample was contaminated by torrential downpour.

Time Set Packer(s) 8:45 XXX P.M. Time Started Off Bottom 10:45 XXX P.M. Maximum Temperature 90°

Initial Hydrostatic Pressure (A) 719 P.S.I.

Initial Flow Period Minutes 30 (B) 11 P.S.I. to (C) 60 P.S.I.

Initial Closed In Period Minutes 30 (D) 485 P.S.I.

Final Flow Period Minutes 30 (E) 65 P.S.I. to (F) 96 P.S.I.

Final Closed In Period Minutes 30 (G) 477 P.S.I.

Final Hydrostatic Pressure (H) 690 P.S.I.

DIAMOND TESTING

Pressure Survey Report

General Information

Company Name	KNIGHTON OIL COMPANY, INC.	Job Number	M344
Well Name	TROWBRIDGE #5	Representative	MIKE COCHRAN
Unique Well ID	DST#1 1452-1465 LANSING 'A' ZONE	Well Operator	KNIGHTON OIL COMPANY, INC.
Surface Location	SEC.1-16S-7E MORRIS CO.KS.	Report Date	2012/06/21
Field	WILDCAT	Prepared By	MIKE COCHRAN
Well Type	Vertical	Qualified By	DAVE MONTAGUE
		Test Unit	NO. 1

Test Information

Test Type	CONVENTIONAL
Formation	DST#1 1452-1465 LANSING 'A' ZONE
Test Purpose (AEUB)	Initial Test

Start Test Date	2012/06/20	Start Test Time	19:15:00
Final Test Date	2012/06/21	Final Test Time	01:05:00
		Well Fluid Type	01 Oil

Gauge Name	30037
Gauge Serial Number	

Test Results

Remarks RECOVERED:
185' GMW 2% GAS, 49% SALTY WTR, 49% MUD* W/ A FEW SPOTS OF OIL
185' TOTAL FLUID

TOOL SAMPLE: SALTY WATER W/SOME SPOTS OF OIL & A SLIGHT ODOR

KNIGHTON OIL COMPANY, INC.
DST#1 1452-1465 LANSING 'A' ZONE
Start Test Date: 2012/06/20
Final Test Date: 2012/06/21

TROWBRIDGE #5
Formation: DST#1 1452-1465 LANSING 'A' ZONE
Pool: WILDCAT
Job Number: M344

TROWBRIDGE #5

