

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION

ORIGINAL

Form ACO-1  
June 2009

Form Must Be Typed  
Form must be Signed  
All blanks must be Filled

WELL COMPLETION FORM  
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # 33699  
Name: T-N-T Engineering, Inc.  
Address 1: 3711 Maplewood, Ste. 201  
Address 2: \_\_\_\_\_  
City: Wichita Falls State: TX Zip: 76308 + \_\_\_\_\_  
Contact Person: Hal Gill or Stephanie Black-Smith  
Phone: (940) 691-9157  
CONTRACTOR: License # 34272  
Name: Outlaw Well Service  
Wellsite Geologist: n/a  
Purchaser: Coffeyville

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: Quinoco Petroleum, Inc. (#3613)  
Well Name: Huck "A" #12  
Original Comp. Date: 08/24/1989 Original Total Depth: 3968'  
 Deepening     Re-perf.     Conv. to ENHR     Conv. to SWD  
 Conv. to GSW  
 Plug Back: \_\_\_\_\_ Plug Back Total Depth  
 Commingled      Permit #: CO-120905  
 Dual Completion      Permit #: \_\_\_\_\_  
 SWD      Permit #: \_\_\_\_\_  
 ENHR      Permit #: \_\_\_\_\_  
 GSW      Permit #: \_\_\_\_\_

<u>08/01/1989</u>	<u>08/10/1989</u>	<u>03/01/2010</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 051-24600-00-01  
Spot Description: \_\_\_\_\_  
E/2 SW SW NW Sec. 31 Twp. 11 S. R. 20  East  West  
2,970 Feet from  North /  South Line of Section  
4,800 Feet from  East /  West Line of Section  
Footages Calculated from Nearest Outside Section Corner:  
 NE  NW  SE  SW  
County: Ellis  
Lease Name: Huck "A" Well #: 12  
Field Name: Nicholson South  
Producing Formation: Arbuckle, LKC, Plattsmouth, Big Springs  
Elevation: Ground: 2278' Kelly Bushing: 2283'  
Total Depth: 3968' Plug Back Total Depth: 3830'  
Amount of Surface Pipe Set and Cemented at: 1702' Feet  
Multiple Stage Cementing Collar Used?  Yes  No  
If yes, show depth set: 1702' Feet  
If Alternate II completion, cement circulated from: 1702'  
feet depth to: surface w/ 500 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 #: \_\_\_\_\_

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INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information of side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form (see rule 82-3-107 for confidentiality in excess of 12 months). One copy of all wireline logs and geologist well report shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells.

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.

Signature: [Signature]  
Title: President, T-N-T Engineering, Inc. Date: 08/11/2010

KCC Office Use ONLY

- Letter of Confidentiality Received  
Date: \_\_\_\_\_  
 Confidential Release Date: \_\_\_\_\_  
 Wireline Log Received  
 Geologist Report Received  
 UIC Distribution  
ALT  I  II  III Approved by: wo dg Date: 8/17/10

Operator Name: T-N-T Engineering, Inc. Lease Name: Huck "A" Well #: 12  
 Sec. 31 Twp. 11 S. R. 20  East  West County: Ellis

**INSTRUCTIONS:** Show important tops and base 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. Attach complete copy of all Electric Wire-line Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <i>(Attach Additional Sheets)</i>  Samples Sent to Geological Survey <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No  Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Submitted Electronically <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <i>(If no, Submit Copy)</i>  List All E. Logs Run: No new logs, DST's , or cores. All logs submitted with original completion dated 09/05/1989. (Copies of historical DST's attached hereto for informational purposes.)	<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample  <table style="width:100%; border-collapse: collapse;"> <tr> <td style="width:60%;">Name</td> <td style="width:20%;">Top</td> <td style="width:20%;">Datum</td> </tr> <tr> <td>Heebner</td> <td>3524'</td> <td>-1241</td> </tr> <tr> <td>Toronto</td> <td>3548'</td> <td>-1265</td> </tr> <tr> <td>Lansing</td> <td>3562'</td> <td>-1279</td> </tr> <tr> <td>Marmaton</td> <td>3817'</td> <td>-1534</td> </tr> <tr> <td>Arbuckle</td> <td>3866'</td> <td>-1583</td> </tr> </table>	Name	Top	Datum	Heebner	3524'	-1241	Toronto	3548'	-1265	Lansing	3562'	-1279	Marmaton	3817'	-1534	Arbuckle	3866'	-1583
Name	Top	Datum																	
Heebner	3524'	-1241																	
Toronto	3548'	-1265																	
Lansing	3562'	-1279																	
Marmaton	3817'	-1534																	
Arbuckle	3866'	-1583																	

CASING RECORD <input checked="" 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
Surface	12 1/4	8 5/8	23#	262'	60/40 poz	100	2% gel
Production	7 7/8	5 1/2	14#	3972'	60/40 poz	275	2% gel + 10% salt

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

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
	see attached		

TUBING RECORD:	Size:	Set At:	Packer At:	Liner Run:
	2 7/8	3825'	n/a	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or ENHR.		Producing Method:		
04/15/2010		<input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain) _____		
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio Gravity
	8	0	125	

<b>DISPOSITION OF GAS:</b> <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input checked="" type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	<b>METHOD OF COMPLETION:</b> <input type="checkbox"/> Open Hole <input checked="" type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <input type="checkbox"/> Other (Specify) _____	<b>PRODUCTION INTERVAL:</b> <u>Arbuckle, LKC, Plattsmouth, &amp; Big Springs (interval 3470'-3770')</u>
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**ADDITIONAL CEMENTING/SQZ RECORD**

**PURPOSE**                      **DEPTH TOP/BTM**                      **TYPE OF CEMENT**                      **# SX**                      **TYPE & % ADDITIVES**

N/A

<b><u>SHOTS PER FOOT</u></b>	<b><u>PERF RECORD – BRIDGE PLUGS SET/TYPE</u></b>	<b><u>ACID, FRAC, CMT SQZ RECORD</u></b>	<b><u>DEPTH</u></b>
4 spf	Conglomerate: 3851'-3855' }	Spot 250 gal 15% acid. Treat w/1000 gal 15% NE acid.	3851'-3855'
1 spf	LKC K: 3766'-3770' }	Spot 250 gal 15% acid. Treat w/8000 gal 15% NE acid + 62 ball sealers throughout.	3562'-3770'
1 spf	LKC K: 3754'-3758' }		
1 spf	LKC J: 3746'-3748' }		
1 spf	LKC J: 3740'-3743' }		
1 spf	LKC I: 3720'-3725' }		
1 spf	LKC H: 3704'-3706' }		
1 spf	LKC G: 3660'-3664' }		
1 spf	LKC F: 3646'-3650' }		
1 spf	LKC C: 3620'-3624' }		
1 spf	LKC B: 3596'-3600' }		
1 spf	LKC A: 3575'-3578' }		
1 spf	LKC A: 3562'-3564' }		
1 spf	Plattsmouth: 3492'-3496' }	Treat w/2000 gal 15% NE acid + 16 ball sealers throughout.	3470'-3496'
1 spf	Plattsmouth: 3488'-3490' }		
1 spf	Big Springs 3482'-3484' }		
1 spf	Big Springs: 3470'-3473' }		
	CIBP: 3840' w/10' cement cap (PBTD: 3830') DV Tool (STAGE COLLAR)	Cement w/500 sx @ 1702' to Surface	1702'

# Perf-Tech

## Wireline Services, Inc.

P.O. Box 87  
 HAYS, KS 67601-0087  
 (785) 623-3969

# Invoice

DATE	INVOICE #
3/2/2010	7154-55

BILL TO

T-N-T Engineering, Inc.  
 3711 Maplewood, Suite 201  
 Wichita Falls, Texas 76308

Voucher 22017<sup>g</sup> Inv 7154-55  
 Vendor 2016 Date 3/2  
 Amt: 7042.46 Disc \_\_\_\_\_  
 Due 3/31 Month \_\_\_\_\_  
 G.L. 5022 Sub 17 Lse 108303

SERVICE DATE	DESCRIPTION	ITEM	AMOUNT
3/1/2010	Huck A #12 Ellis County Kansas		
	Set 5 1/2" Alpha M-2 CIBP at 3865'	PERF	6,288.00T
	Perforated 3851' to 3855' 4 spf <i>Benj.</i>		
	3766' to 70' 1 spf K 3754' to 58' 1 spf		
	3746' to 48' 1 spf J 3740' to 43' 1 spf		
	3720' to 25' 1 spf I		
	3704' to 06' 1 spf H		
	3660' to 64' 1 spf G		
	3646' to 50' 1 spf F		
	3620' to 24' 1 spf C		
	3596' to 3600' 1 spf B		
	3575' to 78' 1 spf A 3562' to 64' 1 spf		
	<i>Plates</i> 3492' to 96' 1 spf 3488' to 90' 1 spf		
	<i>Big Spring</i> 3482' to 84' 1 spf 3470' to 73' 1 spf		
	All zones shot using Titan Tungsten expendable charges		
	68 holes total.		
	Truck Rental	Truck set up	400.00T
	Sales Tax		354.46

Price reflects discount Thank You for your business!!	<b>Total</b>	\$7,042.46
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# Perf-Tech

Wireline Services, Inc.

P.O. Box 87  
HAYS, KS 67601-0087  
(785) 623-3969

## Invoice

DATE	INVOICE #
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3/6/2010

7100

**BILL TO**

T-N-T Engineering, Inc.  
3711 Maplewood, Suite 201  
Wichita Falls, Texas 76308

Voucher 220179 Inv 7100  
Vendor 2016 Date 3/6  
amt 1737.45 Disc \_\_\_\_\_  
Due 3/31 Month \_\_\_\_\_  
G.L. 5022 Sub 17 Lse 108303

SERVICE DATE	DESCRIPTION	ITEM	AMOUNT
3/5/2010	Huck A -12 Ellis County Kansas		
	Set 5 1/2" Alpha M-2 CIBP at 3840' Glass bottom dump bailer run, 10' cement on plug at 3840'	PERF	1,250.00T
	Truck Rental Sales Tax	Truck set up	400.00T 87.45

Price reflects discount  
Thank You for your business!!

**Total**

\$1,737.45

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**JAMES C. MUSGROVE**  
*Petroleum Geologist*  
2021 Forest  
Great Bend, Kansas 67530

Office Phone 792-7716

Quinoco Petroleum Inc.  
HUCK "A" #12  
SW SW NW; Section 31-11S-20W  
Ellis County, Kansas

5½" PRODUCTION CASING SET

CONTRACTOR: Red Tiger Drilling Company (Rig #7)  
COMMENCED: August 1, 1989  
COMPLETED: August 10, 1989  
ELEVATIONS: 2283' K.B. 2281' D.F. 2278' G.L.  
MEASUREMENTS: All measurements from Kelly Bushing.  
CASING PROGRAM: Surface: 8 5/8" @ 262'  
Production: 5½" @ 3967'  
SAMPLES: Samples saved and examined 3100' to R.T.D.  
DRILLING TIME: Drilling time recorded and kept 3100' to R.T.D.  
ELECTRIC LOG: By Halliburton Logging Services Inc.: Dual Induction Short Guard Log, Spectral Density Dual Spaced Neutron II Log, Micro Log and Coral WEL Cal.  
FORMATION TESTING: There were three (3) drill stem tests run by Trilobite Testing.

<u>FORMATION</u>	<u>LOG DEPTH</u>	<u>SUB-SEA DATUM</u>
Anhydrite	1692	+591
Topeka	3307	-1024
Heebner	3524	-1241
Toronto	3548	-1265
Lansing	3562	-1279
Base Kansas City	3773	-1490
Marmaton	3817	-1534
Conglomerate	3831	-1548
Conglomerate Chert	3845	-1562
Arbuckle	3866	-1583
Rotary Total Depth	3968	-1685
Log Total Depth	3969	-1686

(All zones and tops corrected to log measurements.)

SAMPLE ANALYSIS, SHOWS OF OIL, TESTING DATA, ETC.

TOPEKA SECTION

3331-3340' Limestone, gray to beige, finely crystalline, dolomitic, sucrosic, few granular, fair porosity; no shows.

3357-3362' Limestone, gray fossiliferous, few mealy, poorly developed porosity; no shows.

3374-3378' Limestone, gray; highly fossiliferous, fair porosity; no shows.

3384-3399' Limestone, beige, sucrosic, dolomitic, fair porosity; questionable discoloration; no show of free oil or odor in fresh samples.

3418-3429' Limestone, gray, medium crystalline, fossiliferous, fair to good intercrystalline porosity; no shows.

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PLATTSMOUTH

3469-3475' Dolomite, brown to beige, sucrosic, finely crystalline in part; fair intercrystalline to pin point porosity; fair to good brown stain and saturation; show of free oil and fair odor in fresh samples, plus trace of limestone; white to gray, dolomitic, fair porosity, spotty stain; show of free oil.

3487-3494' Limestone, gray to brown, fossiliferous, sparry calcite cement replacement in few porosity; trace chert inclusions, fair stain and saturation; show of free oil and faint odor in fresh samples.

TORONTO SECTION

3548-3570' Limestone, white to gray, cherty, dense; trace white fossiliferous limestone at base; trace light brown stain; no show of free oil or odor in fresh samples.

LANSING SECTION

3562-3570' Limestone, white to cream, fossiliferous, chalky increasingly cherty; trace spotty stain; no show of free oil or odor in fresh samples.

3596-3602' Limestone, beige, dolomitic, slightly cherty; fair pin point porosity, fair brown stain and saturation; show of free oil and fair odor in fresh samples.

3618-3626' Limestone, gray, fine to medium crystalline, fossiliferous, good intercrystalline to vugular type porosity; golden brown to gray stain and saturation; show of free oil and faint odor in fresh samples.

3646-3653' Limestone, gray to white, highly fossiliferous; few sub oocastic, chalky in part, good dull gray to black to brown stain and saturation; show of free oil and fair odor in fresh samples. Fair to good intercrystalline to vugular type porosity, sparry calcite crystal replacement in some porosity.

3658-3662' Limestone, white to cream; slightly fossiliferous, chalky, trace sub oocastic limestone, no shows.

3701-3710' Limestone, gray to white, finely crystalline, slightly cherty; few fossiliferous, poorly developed porosity; no shows.

3718-3726' Limestone, brown to gray; fossiliferous, chalky, trace brown to golden brown stain; show of free oil and faint odor in fresh samples.

3738-3746' Limestone, white to beige; finely crystalline, slightly chalky, fair to good intercrystalline to pin point porosity; fair to good golden brown stain and saturation; show of free oil and good odor in fresh samples.

3753-3759' Limestone, gray fossiliferous, slightly chalky; fair porosity, dull gray to black to dark brown stain; show of free oil and faint odor in fresh samples.

DRILL STEM TEST #1 3726-3770'

Open: I.F. 30"  
F.F. 60"  
Blow: Weak to fair (4")  
Recovery: 80' mud with few oil specks  
120' water

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Pressures: ISIP 764 psi (60")  
FSIP 775 psi (120")  
IFP 22-44 psi  
FFP 66-122 psi  
HSH 1993-1950 psi

MARMATON SECTION

3817-3823' Limestone, white to rose to gray; sandy, chalky, few cherty, no shows.

CONGLOMERATE SECTION

3845-3862' Chert, gray to white to tan, opaque to boney, dolomitic; few with chalky luster, spotty dark brown to brown edge staining; show of free oil and fair odor in fresh samples.

ARBUCKLE SECTION

3866-3870' Dolomite; tan to gray, medium crystalline, slightly cherty, poor visible porosity; trace tan oocastic dolomite, fair stain and saturation; show of free oil and fair odor in fresh samples.

3870-3876' Dolomite, beige, sucrosic, fair porosity; good stain and saturation; show of free oil and good odor in fresh samples.

DRILL STEM TEST #2 3867-3876'

Open: I.F. 30"  
F.F. 60"  
Blow: Weak to strong  
Recovery: 200' gas in pipe  
435' clean gassy oil  
95' mud cut gassy oil  
Pressures: ISIP 720 psi (60")  
FSIP 709 psi (120")  
IFP 33-100 psi  
FFP 122-200 psi  
HSH 2048-2004 psi

3876-3880' Dolomite, as immediately above; show of free oil, odor.

3882-3891' Dolomite, medium crystalline; fair intercrystalline to vugular type porosity; dark brown stain and saturation; fair show of free oil and fair odor in fresh samples.

DRILL STEM TEST #3 3882-3891'

Open: I.F. 30"  
F.F. 60"  
Blow: Strong  
Recovery: 300' gas in pipe  
870' clean gassy oil  
315' oil cut water  
Pressures: ISIP 621 psi (60")  
FSIP 632 psi (120")  
IFP 100-300 psi  
FFP 355-477 psi  
HSH 2026-1995 psi

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3891-3900' Dolomite, gray, slightly sandy, sucrosic; few finely crystalline, fair porosity, dull gray to brown to dark brown stain; show of free oil and fair odor in fresh samples.

3901-3909' Dolomite, as above; plus gray to white to pink; finely crystalline, slightly cherty, spotty stain; show of free oil and fair odor in fresh samples.

3910-3919' Dolomite, gray to coarse crystalline, decreasing stain and saturation; show of free oil (50% dead) and fair odor in fresh samples.

3925-3934' Dolomite, gray to white, medium crystalline; fair intercrystalline to vugular type porosity; trace stain, no show of free oil or odor in fresh samples.

3940-3950' Dolomite, as above; plus pink finely crystalline, dolomite, trace white boney chert, no shows.

3950-3960' Dolomite, gray to white to pink; fair to good intercrystalline porosity; no shows.


3960-3968' Dolomite, as above; plus white boney chert; no shows.

Rotary Total Depth 3968'  
Log Total depth 3968'

RECOMMENDATIONS: On the basis of the favorable structural position and the positive results of the drill stem tests, it was recommended that 5½" production casing be set and cemented at 3967' (one foot off bottom) and the following zones be tested:

- 1) Arbuckle 3882-3885 Perforate
- 2) Arbuckle 3868-3874 Perforate

Respectfully submitted,

  
James C. Musgrove  
Petroleum Geologist

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