

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

Form ACO-1
September 1999
Form Must Be Typed

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE
CONFIDENTIAL

RELEASED
FROM ORIGINAL
CONFIDENTIAL

Operator: License # 9953

API No. 15 - 185-23187-00-00

Name: Harris Oil and Gas Company

County: Stafford County, Kansas

Address: 1125 17th Street - Suite 2290

180' S. 1/2 NE Sec. 18 Twp. 22 S. R. 12 East West

City/State/Zip: Denver Colorado 80202

2160 feet from S N (circle one) Line of Section

Purchaser: _____

1300 feet from E W (circle one) Line of Section

Operator Contact Person: Bud Harris

CONFIDENTIAL

Footages Calculated from Nearest Outside Section Corner:

Phone: (303) 293-8838

(circle one) NE SE NW SW

Contractor Name: Duke Drilling Co., Inc.

Lease Name: Drach "C" Well #: 1-18

License: 5929

Field Name: Drach

Wellsite Geologist: Kris Kennedy

Producing Formation: Simpson/Arbuckle

Designate Type of Completion:

Elevation: Ground: 1877' Kelly Bushing: 1885'

New Well Re-Entry Workover

Total Depth: 3853' Plug Back Total Depth: 3808

Oil SWD SIOW Temp. Abd.

Amount of Surface Pipe Set and Cemented at 708 Feet

Gas ENHR SIGW

Multiple Stage Cementing Collar Used? Yes No

Dry Other (Core, WSW, Expl., Cathodic

If yes, show depth set _____ Feet

If Workover/Re-entry: Old Well Info as follows:

RECEIVED
KANSAS CORPORATION COMMISSION

Operator: _____

OCT 30 2003

Well Name: _____

CONSERVATION DIVISION

Original Comp. Date: _____ Original Total Depth: WICHITA, KS

Deepening Re-perf. Conv. to Enhr./SWD

Plug Back Plug Back Total Depth

Commingled Docket No. _____

Dual Completion Docket No. _____

Other (SWD or Enhr.?) Docket No. _____

<u>07-12-03</u>	<u>07-19-03</u>	<u>08/16/03</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

Drilling Fluid Management Plan
(Data must be collected from the Reserve Pit)

See 100

Chloride content _____ ppm Fluid volume _____ bbls

Dewatering method used _____

Location of fluid disposal if hauled offsite:

Operator Name: Bob's Oil Service, Inc.

Lease Name: Teichman SWD License No.: 32408

Quarter SW Sec. 16 Twp. 22 S. R. 12 East West

County: Stafford Docket No.: D-23,722

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.

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: W.G. Harris

Title: President Date: 10/29/03

Subscribed and sworn to before me this 29th day of October, 2003

Notary Public: [Signature]

Date Commission Expires: 3/17/2004

KCC Office Use ONLY

- Letter of Confidentiality Attached
- If Denied, Yes Date: _____
- Wireline Log Received
- Geologist Report Received
- UIC Distribution

X

Operator Name: **Harris Oil and Gas Company** Lease Name: **Drach "C"** Well #: **1-18**
 Sec. **18** Twp. **22** S. R. **12** East West County: **Stafford County, Kansas**

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 copy of all Electric Wireline Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken Yes No
 (Attach Additional Sheets)

Samples Sent to Geological Survey Yes No

Cores Taken Yes No

Electric Log Run Yes No
 (Submit Copy)

List All E. Logs Run: **Dual Compensated Porosity,
 Dual Induction,
 Microresistivity**

Log Formation (Top), Depth and Datum Sample
 Name Top Datum

see included geologist's log

CASING RECORD New 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	# Sacs Used	Type and Percent Additives
Surface	12-1/4"	8-5/8"	24#	708'	70/30 Poz	390	3%gel 2%cc
Production	7-7/8"	5-1/2"	15.5#	3852'	50/50	130	4%gel 2%cc

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				

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
4	3706' - 3712' (Simpson)	Gelled Acid (w/Diesel)	
4	3712' - 3716' (Arbuckle)	60 bbls KCL water, 275 gal. diesel, 500 gal. MCA	

TUBING RECORD Size **2 7/8"** Set At **3802'** Packer At _____ Liner Run Yes No

Date of First, Resumerd Production, SWD or Enhr. **08/16/03** Producing Method Flowing Pumping Gas Lift Other (Explain)

Estimated Production Per 24 Hours Oil Bbls. **55** Gas Mcf **n/a** Water Bbls. **0** Gas-Oil Ratio _____ Gravity **38°**

Disposition of Gas _____ METHOD OF COMPLETION **acid stimulation** Production Interval **Simpson/Arbuckle**
 Vented Sold Used on Lease Open Hole Perf. Dually Comp. Commingled
 (If vented, Sumit ACO-18.) Other (Specify) _____

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OCT 29 2003

CONFIDENTIAL

ORIGINAL RECEIVED FROM OCT 30 2003 CONSERVATION DIVISION WICHITA, KS

Superior Testers Enterprises, Inc.

R.R. 3, Box 295B, Great Bend, Kansas 67530

(316) 792-6902

Date 07-14-2003 Location 180' 1/2" C-5/2" 18-25-12 Elevation 1885' 18766 County Staffed

Company Hoppers Oil & Gas Company Number of Copies 5

Charts Mailed to 1125 17th Street Suite 2290 Denver Colorado 80202

Drilling Contractor Duke Drilling Rig #8

Length Drill Pipe 3327 I.D. Drill Pipe 3.80 Tool Joint Size 4 1/2" X 1 1/2"

Length Weight Pipe NONE I.D. Weight Pipe NONE Tool Joint Size NONE

Length Drill Collars NONE I.D. Drill Collars NONE Tool Joint Size NONE

Top Packer Depth 3341 Bottom Packer Depth 3346 Number of Packers 2 Packer Size 6 3/4"

TESTED FROM 3346 TO 3435 ANCHOR LENGTH 89 TOTAL DEPTH 3435 Hole Size 2 7/8"

EASE & WELL NO. DRACK "A" #1-18 FORMATION TESTED LANSING "B-G" TEST NO. 1

Mud Weight 9.31 Viscosity 48 Water Loss 10.4 Chlorides - Pits 3300 D.S.T.

Maximum Temp. 108 °F Initial Hydrostatic Pressure (A) 1609 P.S.I. Final Hydrostatic Pressure (H) 1602 P.S.I.

Tool Open I.F.P. from 10:30 AM to 10:30 AM 45 min

Tool Closed I.C.I.P. from 11:15 PM to 11:15 PM 45 min

Tool Open F.F.P. from 12:00 AM to 1:00 AM 60 min

Tool Closed F.C.I.P. from 1:00 AM to 2:30 AM 90 min

from [B] 104 P.S.I. to [C] 240 P.S.I. [D] 673 P.S.I. from [E] 286 P.S.I. to [F] 356 P.S.I. [G] 746 P.S.I.

Initial Blow Good blow built to the bottom of a 5 gallon bucket in 3 1/2 minutes

Final Blow Good blow built to the bottom of a 5 gallon bucket in 1 minute

Total Feet Recovered 705 Gravity of Oil Corrected

105 Feet of Heavy oil & Gas cut mud % Gas % Oil % Mud % Water

600 Feet of CLEAN Gassy Oil % Gas % Oil % Mud % Water

2150 Feet of Gas in the Pipe % Gas % Oil % Mud % Water

Feet of % Gas % Oil % Mud % Water

Feet of % Gas % Oil % Mud % Water

Feet of % Gas % Oil % Mud % Water

Feet of % Gas % Oil % Mud % Water

Feet of % Gas % Oil % Mud % Water

Feet of % Gas % Oil % Mud % Water

Feet of % Gas % Oil % Mud % Water

Remarks

Extra Equipment - Jars NONE Safety Joint NONE Extra Packer NONE Straddle NONE Hook Wall NONE

Top Recorder No. 80301 Clock No. Electronic Depth 3435 Cir. Sub NONE Sampler NONE

Bottom Recorder No. 13208 Clock No. 47441 Depth 3428 Insurance NONE

Price of Job

Tool Operator Steve Judy

Approved By No 12413

Superior Testers Enterprises, Inc. shall not be liable for damage of any kind to the property or personnel of the one for whom a test is made, of for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test. Tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.

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OCT 29 2003

ORIGINAL
KANSAS CORPORATION COMMISSION

OCT 30 2003

RELEASED
CONSERVATION DIVISION
WICHITA, KS
FROM
CONFIDENTIAL

CONFIDENTIAL
Superior Testers Enterprises, Inc.

R.R. 3, Box 295B, Great Bend, Kansas 67530
(316) 792-6902

Date 07-17-2003 Location 18 1/2 C-12-M 18-22-12 Elevation 1885 M County Stafford

Company Harco Oil & Gas Company Number of Copies 5

Charts Mailed to 1125 17th Street Suite 2290 Denver Colorado 80202

Drilling Contractor Duke Drilling Rig #8

Length Drill Pipe 3449 I.D. Drill Pipe 3.80 Tool Joint Size 4 1/2" X.H.

Length Weight Pipe NONE I.D. Weight Pipe NONE Tool Joint Size NONE

Length Drill Collars NONE I.D. Drill Collars NONE Tool Joint Size NONE

Top Packer Depth 3463 Bottom Packer Depth 3468 Number of Packers 2 Packer Size 6 3/4"

TESTED FROM 3460 TO 3550 ANCHOR LENGTH 82 TOTAL DEPTH 3550 Hole Size 2 7/8"

EASE & WELL NO. Drach C #1-18 FORMATION TESTED LOOKING "H-K" TEST NO. 2

Mud Weight 9.7 Viscosity 43 Water Loss 10.2 Chlorides - Pits 3900 D.S.T. _____

Maximum Temp. 108 °F Initial Hydrostatic Pressure (A) 1785 P.S.I. Final Hydrostatic Pressure (H) 1730 P.S.I.

Tool Open I.F.P. from 8:45 pm to 9:15 pm 30 min

from [B] 69 P.S.I. to [C] 70 P.S.I.

Tool Closed I.C.I.P. from 9:15 pm to 9:45 pm 30 min

[D] 597 P.S.I.

Tool Open F.F.P. from 9:45 pm to 10:15 pm 30 min

from [E] 74 P.S.I. to [F] 75 P.S.I.

Tool Closed F.C.I.P. from 10:15 pm to 10:45 pm 30 min

[G] 293 P.S.I.

Initial Blow VERY WEAK Surface blow for 2 minutes & DIED

Final Blow No blow

Total Feet Recovered 20 Gravity of Oil _____ Corrected _____

20 Feet of Drilling Mud % Gas _____ % Oil _____ % Mud _____ % Water _____

_____ Feet of _____ % Gas _____ % Oil _____ % Mud _____ % Water _____

_____ Feet of _____ % Gas _____ % Oil _____ % Mud _____ % Water _____

_____ Feet of _____ % Gas _____ % Oil _____ % Mud _____ % Water _____

_____ Feet of _____ % Gas _____ % Oil _____ % Mud _____ % Water _____

_____ Feet of _____ % Gas _____ % Oil _____ % Mud _____ % Water _____

_____ Feet of _____ % Gas _____ % Oil _____ % Mud _____ % Water _____

_____ Feet of _____ % Gas _____ % Oil _____ % Mud _____ % Water _____

_____ Feet of _____ % Gas _____ % Oil _____ % Mud _____ % Water _____

_____ Feet of _____ % Gas _____ % Oil _____ % Mud _____ % Water _____

Remarks _____

Extra Equipment - Jars NONE Safety Joint NONE Extra Packer NONE Straddle NONE Hook Wall NONE

Top Recorder No. 80507 Clock No. ELECTRONIC Depth 3547 Cir. Sub NONE Sampler NONE

Bottom Recorder No. 13208 Clock No. 47441 Depth 3547 Insurance NONE

Title of Job _____

Tool Operator Gene Ludwig

Approved By _____

No. 12414

Superior Testers Enterprises, Inc. shall not be liable for damage of any kind to the property or personnel of the one for whom a test is made, of for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test. Tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.

CONFIDENTIAL

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ORIGINAL RECEIVED KANSAS CORPORATION COMMISSION

OCT-29 2003

OCT 30 2003 RELEASED FROM CONFIDENTIAL

Superior Testers Enterprises, Inc.

R.R. 3, Box 295B, Great Bend, Kansas 67530

(316) 792-6902

Date 07-18-2003 Location 180 1/2 C 1/2 - 1/2 18-23-12 Elevation 1885 K6 1877 62 County Stafford

Company Harris Oil & Gas Company Number of Copies 5

Charts Mailed to 1125 17th Street Suite 2290 Denver Colorado 80202

Drilling Contractor Duke Drilling Rig #8

Length Drill Pipe 3629 I.D. Drill Pipe 3.80 Tool Joint Size 4 1/2" X H

Length Weight Pipe NONE I.D. Weight Pipe NONE Tool Joint Size NONE

Length Drill Collars NONE I.D. Drill Collars NONE Tool Joint Size ABOVE

Top Packer Depth 3642 Bottom Packer Depth 3648 Number of Packers 2 Packer Size 6 3/4"

TESTED FROM 3648 TO 3818 ANCHOR LENGTH 70 TOTAL DEPTH 3818 Hole Size 7 7/8"

EASE & WELL NO. Dract 11" #1-18 FORMATION TESTED Arbuckle TEST NO. 2

Mud Weight 9.4 Viscosity 68 Water Loss 9.4 Chlorides - Pits 5000 D.S.T.

Maximum Temp. 118 °F Initial Hydrostatic Pressure (A) 1812 P.S.I. Final Hydrostatic Pressure (H) 1771 P.S.I.

Tool Open I.F.P. from 5:30 pm to 6:15 pm 45 min

Tool Closed I.C.I.P. from 6:15 pm to 7:00 pm 45 min

Tool Open F.F.P. from 7:00 pm to 8:00 pm 60 min

Tool Closed F.C.I.P. from 8:00 pm to 9:30 pm 90 min

from [B] 95 P.S.I. to [C] 227 P.S.I.
[D] 1215 P.S.I.
from [E] 225 P.S.I. to [F] 375 P.S.I.
[G] 1230 P.S.I.

Initial Blow Fair blow built to the bottom of a 5 Gallon bucket in 7 minutes

Final Blow Fair blow built to the bottom of a 5 Gallon bucket in 9 minutes

Total Feet Recovered 810 Gravity of Oil 37 Corrected

250 Feet of Gas in the Pipe % Gas % Oil % Mud % Water

450 Feet of Clean Gassy O.I Gravity 37 % Gas % Oil % Mud % Water

360 Feet of SLIGHTLY MUDDY Gassy O.I % Gas % Oil % Mud % Water

Feet of % Gas % Oil % Mud % Water

Feet of % Gas % Oil % Mud % Water

Feet of % Gas % Oil % Mud % Water

Feet of % Gas % Oil % Mud % Water

Feet of % Gas % Oil % Mud % Water

Feet of % Gas % Oil % Mud % Water

Remarks 653-2464

Extra Equipment - Jars NONE Safety Joint NONE Extra Packer NONE Straddle NONE Hook Wall NONE

Top Recorder No. 80507 Clock No. ELECT 1212 Depth 3511 Cir. Sub NONE Sampler NONE

Bottom Recorder No. 13208 Clock No. 4741 Depth 3515 Insurance NONE

Price of Job

Tool Operator Gene Budy

Approved By 12415

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Superior Testers Enterprises, Inc.

R.R. 3, Box 295B, Great Bend, Kansas 67530

(316) 792-6902

ORIGINAL

RECEIVED KANSAS CORPORATION COMMISSION

OCT 30 2003

Date 7-19-2003 Location 9 1/2 mi - 4E 18-22 1/2 W Elevation 1885 ft County Stafford

Company Harcos Oil & Gas Corporation Number of Copies 5

Charts Mailed to 1125 17th Street Suite 2290 Denver Colorado 80202

Drilling Contractor Duke Drilling Q1348 KCC

Length Drill Pipe 3699 I.D. Drill Pipe 3.80 Tool Joint Size 4 1/2" x 1 1/2"

Length Weight Pipe NONE I.D. Weight Pipe NONE Tool Joint Size NONE

Length Drill Collars NONE I.D. Drill Collars NONE Tool Joint Size NONE

Top Packer Depth NONE Bottom Packer Depth 2719 Number of Packers 21 Packer Size 6 3/4"

TESTED FROM 3719 TO 3726 ANCHOR LENGTH 7 TOTAL DEPTH 3726 Hole Size 7 7/8"

LEASE & WELL NO Drach 10" #1-18 FORMATION TESTED Arbuckle TEST NO. 4

Mud Weight 9.4 Viscosity 68 Water Loss 9.4 Chlorides - Pits 5000 D.S.T. 18000

Maximum Temp. 119 °F Initial Hydrostatic Pressure (A) 1826 P.S.I. Final Hydrostatic Pressure (H) 1767 P.S.I.

Tool Open I.F.P. from 9:30 am to 9:30 am 45 min
Tool Closed I.C.I.P. from 10:15 am to 10:00 am 45 min
Tool Open F.F.P. from 11:00 am to 12:00 pm 60 min
Tool Closed F.C.I.P. from 12:00 am to 1:30 pm 90 min

from [B] 204 P.S.I. to [C] 1099 P.S.I.
[D] 1265 P.S.I.
from [E] 1116 P.S.I. to [F] 1270 P.S.I.
[G] 1280 P.S.I.

Initial Blow Good blow built to the bottom of a 5 Gallon bucket in 1 min. 15 sec

Final Blow Fail blow built to the bottom of a 5 Gallon bucket in 4 minutes

Total Feet Recovered 2800 Gravity of Oil _____ Corrector _____

<u>2800</u> Feet of <u>water - CHLOR. 955 = 18000</u>	% Gas	% Oil	% Mud	% Water
_____ Feet of _____	% Gas	% Oil	% Mud	% Water
_____ Feet of _____	% Gas	% Oil	% Mud	% Water
_____ Feet of _____	% Gas	% Oil	% Mud	% Water
_____ Feet of _____	% Gas	% Oil	% Mud	% Water
_____ Feet of _____	% Gas	% Oil	% Mud	% Water
_____ Feet of _____	% Gas	% Oil	% Mud	% Water
_____ Feet of _____	% Gas	% Oil	% Mud	% Water
_____ Feet of _____	% Gas	% Oil	% Mud	% Water
_____ Feet of _____	% Gas	% Oil	% Mud	% Water

Remarks _____

Extra Equipment - Jars NONE Safety Joint NONE Extra Packer NONE Straddle NONE Hook Wall NONE

Top Recorder No. 80501 Clock No. Electronic Depth 3711 Cir. Sub NONE Sampler NONE

Bottom Recorder No. 13209 Clock No. 47441 Depth 3723 Insurance NONE

Price of Job _____

Tool Operator Jane Audrey

Approved By _____
No. 12416

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ORIGINAL

OCT 29 2003

TREATMENT REPORT

RECEIVED CORPORATION COMMISSION

OCT 30 2003



Customer ID **CONFIDENTIAL** Date **1-20-03**

Customer **Harris Oil & Gas** Lease No. **1-18** Well # **1-18**

Lease **Drach** County **Stafford** State **KS**

Field Order # **6768** Station **Pratt KS** Casing **5 1/2** Depth **3852** Formation **Stafford** Legal Description **18-225-12w**

Type Job **Long String New well**

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size 5 1/2	Tubing Size PBTD	Shots/Ft		Acid 130 sk. 50-50 poz 4%	Rate 100-160	Pressure 200	ISIP 500	
Depth 3818	Depth PBTD	From	To	Pre Pad 5 1/2" 16.1 5 1/2" 16.1	Max 25 D.F. 1%			
Volume 90.8	Volume	From	To	Pad 29% CC 156 #3	Min 13.8 ppg			
Max Press 2500	Max Press	From	To	Frac 23 sk. 60-40 poz 1%	Avg K.H. & M.H.			
Well Connection	Annulus Vol.	From	To	36.1 Bbls 5.6 & 5.5	HHP Used			Annulus Pressure
Plug Depth	Packer Depth	From	To	Flush 500 gal Super Flush II	Gas Volume			Total Load

Customer Representative **Jeff Zoller** Station Manager **Dave Antry** Treater **D. Scott**

Service Units **106 35 57 36 70**

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
1800					Dnhoc w/Trk's Safety mtg 6.S. Bottom ISFV w/Fill Top S.J. Cent 1-2-3-4-6-10-12 Csg on Bottom Drop Ball & Circ w/Rig
2315	200		20	6	29% KCL Flush
2318	200		12	6	St Super Flush II
2320	200		5	6	H2O Spacer
2323	250		36.1	6	Mix Cmt @ 13.8 ppg 130 sks
2330	0		10	5	Close In & Wash Pump & line ^{Release} Plug
2332	100			7.0	St Disp w/29% KCL 1st 10 Bbls
2343	300		65	6.0	Lifting Cmt 65 Bbls Disp Out
2348	1200		90.8	0	Plug Down h.J. leaking
2352	0				Release psi float Held Rotated Csg Good Circ Thru Job Plug R.H. & M.H. w/25 ski Poz
					Job Complete Thank you Scotty

10244 NE Hiway 61 • P.O. Box 8613 • Pratt, KS 67124-8613 • Phone (620) 672-1201 • Fax (620) 672-5383