

STATE CORPORATION COMMISSION OF KANSAS  
OIL & GAS CONSERVATION DIVISION  
WELL COMPLETION FORM  
ACO-1 WELL HISTORY  
DESCRIPTION OF WELL AND LEASE

API NO. 15- 055-21,126-0000

County Finney

C-NW NE Sec. 21 Twp. 21 Rge. 31 X W

Operator: License # 5278

Name: Enron Oil & Gas Company

Address: 20 North Broadway, Suite 830

City/State/Zip Oklahoma City, OK 73102

Purchaser: \_\_\_\_\_

Operator Contact Person: Paul Blanchard

Phone (405) 239-7800

Contractor: Name: Duke Drilling Co., Inc.

License: 5929

Wellsite Geologist: \_\_\_\_\_

Designate Type of Completion  
 New Well  Re-Entry  Workover

Oil  SWD  SIGW  Temp. Abd.  
 Gas  ENHR  SIGW  
 Dry  Other (Core, WSM, Expl., Cathodic, etc)

If Workover/Re-Entry: old well info as follows:

Operator: \_\_\_\_\_

Well Name: \_\_\_\_\_

Comp. Date \_\_\_\_\_ Old Total Depth \_\_\_\_\_

Deepening  Re-perf.  Conv. to Inj/SWD  
 Plug Back  PBTB  
 Commingled  Docket No. \_\_\_\_\_  
 Dual Completion  Docket No. \_\_\_\_\_  
 Other (SWD or Inj?)  Docket No. \_\_\_\_\_

8-30-92 9-9-92  
Spud Date Date Reached TD Completion Date

660 Feet W/S (circle one) of Section Line  
80 Feet E/W (circle one) of Section Line

Footages Calculated from Nearest Outside Section Corner:  
NE, SE, NW or SW (circle one)

Lease Name Mary Well # 21-1

Field Name \_\_\_\_\_

Producing Formation \_\_\_\_\_

Elevation: Ground 2901' KB 2910'

Total Depth 4825' PBTB \_\_\_\_\_

Amount of Surface Pipe Set and Cemented at 411 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 DFA 12-30-92  
(Data must be collected from the Reserve Pit)

Chloride content 3000 ppm Fluid volume 6000 bbls

Dewatering method used Evaporation & backfilling

Location of fluid disposal if hauled offsite: \_\_\_\_\_

**RELEASED**

Operator Name \_\_\_\_\_

Lease Name FEB 4 1994 Lease No. \_\_\_\_\_

Quarter \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S Rng. \_\_\_\_\_ E/W \_\_\_\_\_

County \_\_\_\_\_ **FROM CONFIDENTIAL** Docket No. \_\_\_\_\_

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 200 Colorado Derby Building, 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 on 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 Paul Blanchard

Title Project Production Engineer Date 12-9-92

Subscribed and sworn to before me this 9th day of December 19 92

Notary Public Therese Foster

Date Commission Expires 6-26-96

K.C.C. OFFICE USE ONLY	
<input type="checkbox"/> F	Letter of Confidentiality Attached
<input type="checkbox"/> C	Wireline Log Received
<input type="checkbox"/> C	Geologist Report Received
<input checked="" type="checkbox"/>	Distribution
<input type="checkbox"/> KCC	SWD/Rep
<input type="checkbox"/> KGS	Plug
	NGPA
	Other
	(Specify)

*Rec'd  
12-16-92*

*PI*

Sec. 21 Twp. 21 Rge. 31

East  
 West

County Finney

**INSTRUCTIONS:** Show important tops and base of formations penetrated. Detail all cores. Report all drill stem 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 during test. Attach extra sheet if more space is needed. Attach copy of log.

Drill Stem Tests Taken (Attach Additional Sheets.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Chase	2720	
Electric Log Run (Submit Copy.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Heebner	3960	
List All E.Logs Run: CNL-FDC, DILL & Micro Log		Swope	4310	
		Marmaton	4454	
		Pawnee	4530	
		Ft. Scott	4556	
		Cherokee	4572	
		Atoka	4630	
		Morrow	4694	
		Miss Unconf.	4704	
		St. Louis Porosity	4767	

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"	24#	411'	60/40 poz	195	2% gel 3% cc

ADDITIONAL CEMENTING/SQUEEZE RECORD					
Purpose:	Depth		Type of Cement	#Sacks Used	Type and Percent Additives
	Top	Bottom			
<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

<b>TUBING RECORD</b>	Size	Set At	Packer At	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or Inj.	Producing Method <input type="checkbox"/> Flowing <input 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

Disposition of Gas:  Vented  Sold  Used on Lease (If vented, submit ACO-18.)

METHOD OF COMPLETION:  Open Hole  Perf.  Dually Comp.  Commingled  Other (Specify) \_\_\_\_\_

Production Interval: \_\_\_\_\_

# TRILOBITE TESTING, L.L.C.

FEB 4 1994

P.O. Box 362 • Hays, Kansas 67601

DEC 9

CONFIDENTIAL

## Drill-Stem Test Data

FROM CONFIDENTIAL

Well Name MARY #1-21 Test No. 1 Date 9/8/92  
 Company ENRON OIL & GAS COMPANY Zone ST LOUIS  
 Address 20 N BROADWAY #830 OKLAHOMA CITY OK 73102 Elevation 2901  
 Co. Rep./Geo. RAYMOND HAMILTON Cont. DUKE DRLG RIG #4 Est. Ft. of Pay \_\_\_\_\_  
 Location: Sec. 21 Twp. 21S Rge. 31W Co. FINNEY State KS

Interval Tested	<u>4755-4825</u>	Drill Pipe Size	<u>4.5" XH</u>
Anchor Length	<u>70</u>	Wt. Pipe I.D. - 2.7 Ft. Run	<u>248</u>
Top Packer Depth	<u>4750</u>	Drill Collar - 2.25 Ft. Run	<u>120</u>
Bottom Packer Depth	<u>4755</u>	Mud Wt.	<u>9.7</u> lb/Gal.
Total Depth	<u>4825</u>	Viscosity	<u>50</u> Filtrate <u>7</u>

Tool Open @ 12:45 PM Initial Blow VERY STRONG 12" BLOW IN 1 MINUTE

Final Blow VERY STRONG 12" BLOW IN 2 MINUTES

Recovery - Total Feet 2790 Flush Tool? NO

Rec. <u>1240</u>	Feet of	<u>MUDDY WATER-60%WTR/40%MUD</u>
Rec. <u>682</u>	Feet of	<u>MUDDY WATER-80%WTR/20%MUD</u>
Rec. <u>868</u>	Feet of	<u>GASSY WATER-5%GAS/95%WATER</u>
Rec. _____	Feet of	_____
Rec. _____	Feet of	_____

BHT 124 °F Gravity \_\_\_\_\_ °API @ \_\_\_\_\_ °F Corrected Gravity \_\_\_\_\_ °API  
 RW 0.3 @ 79 °F Chlorides 22000 ppm Recovery Chlorides 3000 ppm System

(A) Initial Hydrostatic Mud 2488.3 PSI AK1 Recorder No. 13851 Range 4425

(B) First Initial Flow Pressure 241.6 PSI @ (depth) 4757 w / Clock No. 26191

(C) First Final Flow Pressure 825.9 PSI AK1 Recorder No. 13850 Range 4325

(D) Initial Shut-in Pressure 1280.5 PSI @ (depth) 4822 w / Clock No. 17658

(E) Second Initial Flow Pressure 920.4 PSI AK1 Recorder No. \_\_\_\_\_ Range \_\_\_\_\_

(F) Second Final Flow Pressure 1240.6 PSI @ (depth) \_\_\_\_\_ w / Clock No. \_\_\_\_\_

(G) Final Shut-in Pressure 1296.3 PSI Initial Opening 30 Final Flow 60

(H) Final Hydrostatic Mud 2370.3 PSI Initial Shut-in 60 Final Shut-in 120

Our Representative STEVE BOWMAN

CHART PAGE

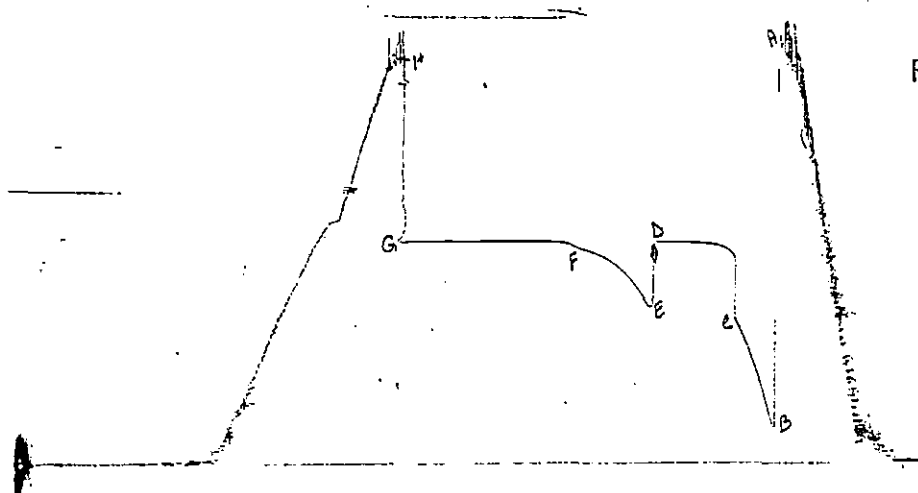
DST#1  
13851

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CONFIDENTIAL

RELEASED

FEB 4 1994

FROM CONFIDENTIAL



This is an actual photograph of recorder chart

	FIELD READING	OFFICE READING
(A) INITIAL HYDROSTATIC MUD	2475	2488.3
(B) FIRST INITIAL FLOW PRESSURE	235	241.6
(C) FIRST FINAL FLOW PRESSURE	821	825.9
(D) INITIAL CLOSED-IN PRESSURE	1282	1280.5
(E) SECOND INITIAL FLOW PRESSURE	917	920.4
(F) SECOND FINAL FLOW PRESSURE	1239	1240.6
(G) FINAL CLOSED-IN PRESSURE	1293	1296.3
(H) FINAL HYDROSTATIC MUD	2366	2370.3

TRILOBITE TESTING L.L.C. RELEASED

P.O. Box 362 • Hays, Kansas 67601

FEB 4 1994

DEC 9  
CONFIDENTIAL

Test Ticket

FROM CONFIDENTIAL N. 5070

Well Name & No. Mary # 1-21 Test No. # 1 Date 9-8-92  
 Company Enron Oil & Gas Company Zone Tested ST. LOUIS  
 Address 20 N Broadway #830 Oklahoma City, OK 73102 Elevation 2901 Gal.  
 CO. Rep. / Geo. Raymond Hamilton cont. Dike Drilling Rig # 4 Est. Ft. of Pay \_\_\_\_\_  
 Location: Sec. 21 Twp. 21 S Rge. 31 W Co. Finney State KS  
 No. of Copies 6 Distribution Sheet \_\_\_\_\_ Yes  No  Turnkey \_\_\_\_\_ Yes  No  Evaluation \_\_\_\_\_

Interval Tested 4755 to 4825 Drill Pipe Size 4 1/2 x 4  
 Anchor Length 20' Top Choke — 1" \_\_\_\_\_ Bottom Choke — 1/4" \_\_\_\_\_  
 Top Packer Depth 4750 Hole Size — 7 1/8" \_\_\_\_\_ Rubber Size — 6 3/4" \_\_\_\_\_  
 Bottom Packer Depth 4755 Wt. Pipe I.D. — 2.7 Ft. Run 248  
 Total Depth 4825 Drill Collar — 2.25 Ft. Run 120  
 Mud Wt. 9.7 lb/gal. Viscosity 50 Filtrate 7.0  
 Tool Open @ 12:45 P.M. Initial Blow Very Strong 12 inch Blow in 1 min

Final Blow Very Strong 12 inch Blow in 2 min

Recovery — Total Feet	Feet of Gas in Pipe	Flush Tool?
<u>2790</u>	<u>0</u>	<u>W/C</u>
Rec. <u>1240</u> Feet Of <u>muddy water</u>	% gas _____ % oil <u>60%</u> % water <u>40%</u> % mud _____	
Rec. <u>682</u> Feet Of <u>muddy water</u>	% gas _____ % oil <u>80%</u> % water <u>20%</u> % mud _____	
Rec. <u>868</u> Feet Of <u>grassy water</u>	<u>5</u> % gas _____ % oil <u>95%</u> % water _____ % mud _____	
Rec. _____ Feet Of _____	% gas _____ % oil _____ % water _____ % mud _____	
Rec. _____ Feet Of _____	% gas _____ % oil _____ % water _____ % mud _____	

BHT 124 °F Gravity \_\_\_\_\_ °API @ \_\_\_\_\_ °F Corrected Gravity \_\_\_\_\_ °API  
 RW 3.8 @ 79 °F Chlorides 22,000 ppm Recovery Chlorides 3,000 ppm System  
 (A) Initial Hydrostatic Mud 2475 PSI AK1 Recorder No. 13851 Range 4425  
 (B) First Initial Flow Pressure 235 PSI @ (depth) 4757 w/Clock No. 26191  
 (C) First Final Flow Pressure 821 PSI AK1 Recorder No. 13850 Range 4325  
 (D) Initial Shut-In Pressure 1282 PSI @ (depth) 4822 w/Clock No. 17658  
 (E) Second Initial Flow Pressure 917 PSI AK1 Recorder No. \_\_\_\_\_ Range \_\_\_\_\_  
 (F) Second Final Flow Pressure 1239 PSI @ (depth) \_\_\_\_\_ w/Clock No. \_\_\_\_\_  
 (G) Final Shut-In Pressure 1293 PSI Initial Opening 30 Test  500  
 (H) Final Hydrostatic Mud 2366 PSI Initial Shut-In 60 Jars

TRILOBITE TESTING L.L.C. SHALL NOT BE LIABLE FOR DAMAGE OF ANY KIND OF THE PROPERTY OR PERSONNEL OF THE ONE FOR WHOM A TEST IS MADE, OR 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.

Final Flow 60 Safety Joint   
 Final Shut-In 120 Straddle \_\_\_\_\_  
 Circ. Sub \_\_\_\_\_  
 Sampler \_\_\_\_\_  
 Extra Packer \_\_\_\_\_  
 Other \_\_\_\_\_  
 TOTAL PRICE \$ \_\_\_\_\_

Approved By Raymond Hamilton  
Our Representative Steve Bowman

# ALLIED CEMENTING CO., INC.

3274

Home Office P. O. Box 31

Russell, Kansas 67665

DEC 9

Job No. 92	Sec. 21	Twp. 21	Range 31W	Called Out 08:40	On Location 10:45	Job Start 4:25	Finish 7:45
Well No. 21	Location 16.52W 35 4W S. 21		County Finney		State KS		

*Dike 4*  
*Surface*

Hole Size	12 1/4	T.D.	415
Cg.	8 1/8	Depth	400
Tbr. Size		Depth	
Drill Pipe		Depth	
Tool		Depth	
Cement Left in Csg.		Shoe Joint	40'
Press Max.	500	Minimum	
Meas Line	no	Displace	23.5 bbl
Perf.			

Owner *Squire*

To Allied Cementing Co., Inc.  
You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.

Charge To *Enron Oil & Gas Co.*

Street *20 North Broadway Suite 830*

City *OKLA. City* State *OK* 73102

The above was done to satisfaction and supervision of owner agent or contractor.

Purchase Order No. *Sam Hummel*

**CEMENT**

**EQUIPMENT**

No.	Cementer	<i>Gary</i>
Pumptrk 158	Helper	<i>Bill</i>
No.	Cementer	
Pumptrk	Helper	
	Driver	<i>Keith</i>
Bulktrk 116		
Bulktrk	Driver	

Amount Ordered *195 60 1/4 2% Gel 3% CC*

Consisting of

Common	117	5.50	643.50
Poz. Mix	78	2.50	195.00
Gel.	4	6.75	N/C
Chloride	6	21.00	126.00
Quickset			

**DEPTH of Job**

Reference:	<i>Pump Truck</i>	<i>380.00</i>
	<i>65 Mileage</i>	<i>130.00</i>
	<i>8 1/8" TWP</i>	<i>42.00</i>
	<i>100' extra</i>	<i>39.00</i>
	<b>Total</b>	<b>591.00</b>

Handling *195* *1.00* *195.00*

Mileage *65* *507.00*

**Total** *1666.50*

Remarks: *Cement did circulate*

*Approx 4 bbl.*

Floating Equipment

*1 AFU Insert - 258.00*

*3 Centralizers - 183.00*

*1 Saw Tooth Guide Shoe - 220.00*

*Thank you*

*Max L. Hene*

FEB 4 1994

*# 661.00*

FROM CONFIDENTIAL

*original bid had no FE*

Well, Kansas  
Great Bend, Kansas

Phone Plainville 913-434-2812  
Phone Ness City 913-798-3843

# ALLIED CEMENTING CO., INC. N<sup>o</sup>: 8364

Home Office P. O. Box 31      Russell, Kansas 67665

Date	Sec.	Twp.	Range	9- <sup>o</sup> Called Out	On Location	Job Start	Finish
9-9-82	21	21S	31W	9:30 PM	11:30	2:10	6:10 AM
Lease	Well No.		Location		County	State	
Mary	21-1		Amy 155 2W 35 4W		Finney	Ks.	
Contractor				Owner			
Duke 4				Same			
Type Job				To Allied Cementing Co., Inc.			
Rotary Plug				You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.			
Hole Size		T.D.		Charge To			
7 7/8		4825		Encon Oil & Gas Co.			
Csg.		Depth		2011 Broadway Suite 212			
8 5/8		411		City OKLA CITY State OK 73102			
The Size		Depth		The above was done to satisfaction and supervision of owner agent or contractor.			
Drill Pipe		Depth		Purchase Order No.			
7 1/2		3000'		X <i>[Signature]</i>			
Tool		Depth		CEMENT (Used 355)			
Cement Left in Csg.		Shoe Joint		Amount of Cement			
Press Max.		Minimum		365 6% 6% Gel 1/4 F/oses			
Meas Line		Displace		Consisting of			
Perf.		FEB 4 1994		Common 213 5.50 1171.50			

**EQUIPMENT FROM CONFIDENTIAL**

No.	Cementer	Ben
Pumptrk 158	Helper	Bill
No.	Cementer	
Pumptrk	Helper	
	Driver	Gary
Bulktrk 199	Driver	

<b>DEPTH of Job</b>	
Reference:	
Pump Truck	475.00
65 Mileage	130.00
<b>Total</b>	<b>605.00</b>

- Remarks:
- 100 sx @ 3000' 15 ex RH
  - 50 sx @ 2200'
  - 80 sx @ 1470' Allied Cementing
  - 50 sx @ 1000' Ben Shaffer
  - 50 sx @ 420'
  - 10 sx @ 40'

Amount of Cement	365	6%	6% Gel	1/4	F/oses		
Consisting of	Common	213	5.50	1171.50			
	Poz. Mix	142	2.50	355.00			
	Gel.	21	6.75	141.75			
	Chloride						
	Quickset						
	O/Fo Seal 89	1.00	89.00				
	Handling	365	1.00	365.00			
	Mileage	65		949.00			
	<b>DEC 9</b>						
	<b>CONFIDENTIAL</b>						
	<b>Total</b>			<b>3071.25</b>			

Floating Equipment

Total \$ 3676.25

Disc - 735.25

\$ 2941.00