

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

Operator: License # 31231

Name: Hyde-Marrs, Inc.

Address 155 N. Market, Suite 710
Wichita, Kansas 67202

City/State/Zip _____

Purchaser: D & A

Operator Contact Person: Thomas C. Hyde

Phone (316) 262-8339

Contractor: Name: Mallard JV, Inc.

License: 4958

Wellsite Geologist: Monte R. Marrs

Designate Type of Completion

New Well Re-Entry Workover

Oil SWD SIOW Temp. Abd.
 Gas ENHR SIGW
 Dry Other (Core, VSW, 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. _____

7/28/93 8/2/93 1 D & A
Spud Date Date Reached TD Completion Date

API NO. 15- 15-135-23764-00-00

County Ness

NE SW SE Sec. 19 Twp. 16S Rge. 21 X W

1040 Feet from SW (circle one) Line of Section

1650 Feet from EW (circle one) Line of Section

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

Lease Name Cambron Well # 1

Field Name Wildcat

Producing Formation D & A

Elevation: Ground 2309' KB 2314'

Total Depth 4330' PBTB _____

Amount of Surface Pipe Set and Cemented at 269.25 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 cnt.

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

Chloride content 7,000 ppm Fluid volume 600 bbls

Dewatering method used Evaporation

Location of fluid disposal if hauled offsite: _____

Operator Name _____

Lease Name _____ License No. _____

Quarter Sec. _____ Twp. _____ S Rng. _____ E/W

County _____ Docket No. _____

RECEIVED
KANSAS CORPORATION COMMISSION
09-02-1993
SEP 02 1993
CONSERVATION DIVISION
WICHITA, KS

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 Thomas C. Hyde
Thomas C. Hyde

Title President Date 9/3/93

Subscribed and sworn to before me this 2nd day of September 19 93.

Notary Public Melinda S. Wooten
Melinda S. Wooten

Date Commission Expires 3-12-96

K.C.C. OFFICE USE ONLY
F Letter of Confidentiality Attached
C Wireline Log Received
C Geologist Report Received

Distribution
 KCC SWD/Rep NGPA
 KGS Plug Other
(Specify) _____

MELINDA S. WOOTEN
NOTARY PUBLIC
STATE OF KANSAS
My Appl. Exp. 3-12-96

Operator Name Hyde-Marrs, Inc.

Lease Name Cambron Well # 1

Sec. 19 Twp. 16S Rge. 21
 East
 West

County Ness

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 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:

Log Formation (Top), Depth and Datum Sample

Name Top Datum

See attachment

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	# Sacks Used	Type and Percent Additives
Surface	12 1/4"	8 5/8"	20	269.25	60/40 poz	170	3%cc 2% gel

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		Acid, Fracture, Shot, Cement Squeeze Record	
	Specify Footage of Each Interval Perforated		(Amount and Kind of Material Used)	Depth

TUBING RECORD	Size	Set At	Packer At	Liner Run
				<input type="checkbox"/> Yes <input type="checkbox"/> No

Date of First, Resumed Production, SWD or Inj. _____ 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:
 Vented Sold Used on Lease
 (If vented, submit ACO-18.)

METHOD OF COMPLETION
 Open Hole Perf. Dually Comp. Commingled
 Other (Specify) _____

Production Interval

ORIGINAL

DRILLING REPORT

CAMBRON #1 API # 15-135-23764-00-00
50'N NE SW SE
Section 19-16S-21W
Ness County, Kansas

OPERATOR: HYDE-MARRS INC.

CONTRACTOR: Mallard JV, Inc.

ELEVATION: 2309GL 2314KB

TOPS: SAMPLES

ELECTRIC LOG TOPS

ANHYDRITE	1607 (+707)	ANHYDRITE	1607 (+707)
B/ANHY.	1650 (+664)	B/ANHY.	1648 (+666)
HEEBNER	3721(-1407)	HEEBNER	3716(-1402)
LANSING	3762(-1448)	LANSING	3758(-1444)
FtScott	4212(-1898)	FTSCOTT	4209(-1895)
CHEROKEE SH.	4224(-1910)	CHEROKEE SH.	4219(-1905)
No "A"Sand	-----	-----	-----
R.T.D.	4330(-2016)	L.T.D.	4329(-2015)

-
- 7-28-93 MIRT & Spud @ 8:30p.m. Ran 6 jts. 8 5/8" 20# 262.65
Set @ 269.25' with 170 sx 60/40 poz., 3%cc., 2% gel.
P.D. @ 4:15 a.m. Cement Circulated.
- 7-29-93 Drilling @ 1825'
- 7-30-93 Drilling @ 2742'
- 7-31-93 Drilling @ 3390'
- 8- 1-93 Drilling @ 3924'
- 8- 2-93 Drilling @ 4284' No DST Taken. D&A. R.T.D. 4330.

RECEIVED
KANSAS CORPORATION COMMISSION

SEP 02 1993
CONSERVATION DIVISION
WICHITA, KS

ORIGINAL

MALLARD JV, INC.

DRILLING CONTRACTORS

P. O. Box 1009

McPHERSON, KS 67460

DRILLER'S LOG

OPERATOR: **Hyde-Marrs, Inc.**
155 N. Market, Suite 710
Wichita, KS 67202

WELL: **Cambron #1**

API #: 15-135-23,764-00-00

COMMENCED: **July 27, 1993**

LOCATION: **NE SW SE**
990' FSL, 1650' FEL
Section 19, Township 16 S, Range 21 W
Ness County, KS

COMPLETED: **August 2, 1993**

TOTAL DEPTH: **4330'**

ELEVATION: **2310' GL, 2315' KB**

STATUS: **Dry & Abandoned**

SPUD: **8:30 pm 7/27/93**

SIZE HOLE DRILLED: **12-1/4" x 269'**

SURFACE CASING SIZE: **8-5/8" x 20# x 262.40 (6 jts.)**

SET AT: **269'**

CEMENT: **170 sacks 60/40 Pozmix, 2% gel, 3% cc**

SIZE HOLE DRILLED: **7-7/8" x 4330'**

PLUGGED HOLE WITH: **235 sacks 60/40 Pozmix, 6% gel, 1/4# floseal per sack as follows: 50 sx @ 1650', 50 sx @ 810', 50 sx @ 400', 50 sx @ 270', 10 sx @ 40', 15 sx rathole, 10 sx mousehole**

PD: **10:00 pm 8/2/93**

DRILL STEM TESTS: **None**

ELECTRIC LOG: **Yes**

RECEIVED
KANSAS CORPORATION COMMISSION

SEP 02 1993

CONSERVATION DIVISION
WICHITA, KS

CUSTOMER COPY



REMIT TO:
P.O. BOX 951046
DALLAS, TX 75395-1046

INVOICE

Invoice No: 509042 08/02/1993

WELL LEASE NO./PROJECT: CAMBRON 1 WELL PROJE: NESS LOCAL: KS STATE: SAME

SERVICE LOCATION: NESS CITY	WELL: MALLARD DRILLING	LOCAL: PLUG TO ABANDON	DATE: 08/02/1993
APPROX: 417673	CUSTOMER AGENT: JIM MICKLE	WELL NO:	DATE:
			COMPANY TRUCK 54431

HYDE-MARRS, INC.
155 N. MARKET, SUITE 710
WICHITA, KS 67202

DIRECT CORRESPONDENCE TO:
OKLAHOMA TOWER
210 WEST PARK AVENUE
SUITE 2000
OKLAHOMA CITY, OK 73102-5601

PRICE	DESCRIPTION	QUANTITY	UNIT	PRICE	AMOUNT
PRICING AREA - MID CONTINENT					
000-117	MILEAGE	23	MI	2.75	63.25
		1	UNT		
090-910	MISCELLANEOUS PUMPING JOB	1	TRK	395.00	395.00
030-503	CMTG PLUG LA-11,CP-1,CP-3,TO	8 5/8	IN	95.00	95.00
		1	EA		
504-136	CEMENT - 40/60 POZNIX, STANDA	235	SK	5.58	1,304.25
507-277	HALLIBURTON-GEL BENTONITE	8	SK	15.50	124.00
507-210	FLOCKLE	59	LB	1.40	82.60
500-207	BULK SERVICE CHARGE	259	CFT	1.25	323.75
500-306	MILEAGE CMTG MAT DEL OR RETU	240.408	TMI	.85	204.35

INVOICE SUBTOTAL	2,592.20
DISCOUNT-(BID)	648.03
INVOICE BID AMOUNT	1,944.17
*-KANSAS STATE SALES TAX	91.78

RECEIVED
KANSAS CORPORATION COMMISSION
SEP 02 1993
CONSERVATION DIVISION
WICHITA, KS

INVOICE TOTAL - PLEASE PAY THIS AMOUNT ***** \$2,035.95

TERMS: If Customer does not have an approved open account with Halliburton, all sums due are payable in cash at the time of performance of services or delivery of equipment, products or materials. If customer has an approved open account, invoices are payable on the twentieth day after date of invoice. Customer agrees to pay interest on any unpaid balance from the date payable until paid at the highest lawful contract rate applicable, but never to exceed 18% per annum. In the event Halliburton employs an attorney for collection of any account, Customer agrees to pay attorney fees of 20% of the unpaid account, plus all collection and court costs.

CUSTOMER COPY



REMIT TO:
P.O. BOX 951046
DALLAS, TX 75395-1046

INVOICE

INVOICE NO.	DATE
509042	08/02/1993

WELL NAME	WELL PROJECT LOCATION	STATE	OWNER
CAMBRON 1	NESS	KS	SAME
SERVICE LOCATION	CONTRACTOR	JOB PURPOSE	TICKET DATE
NESS CITY	MALLARD DRILLING	PLUG TO ABANDON	08/02/1993
ACCOUNT NO.	CUSTOMER AGENT	VENDOR NO.	CUSTOMER P.O. NUMBER
417673	JIM MICKLE		
		SHIPPED VIA	FILE NO.
		COMPANY TRUCK	54431

HYDE-MARRS, INC.
155 N. MARKET, SUITE 710
WICHITA, KS 67202

DIRECT CORRESPONDENCE TO:
OKLAHOMA TOWER
210 WEST PARK AVENUE
SUITE 2000
OKLAHOMA CITY, OK 73102-5601

DESCRIPTION	QUANTITY	UM	UNIT PRICE	AMOUNT
PRICING AREA - MID CONTINENT				
000-117 MILEAGE	23	MI	2.75	63.25 *
	1	UNT		
090-910 MISCELLANEOUS PUMPING JOB	1	TRK	395.00	395.00 *
030-503 CMTG PLUG LA-11,CP-1,CP-3,TO	8	5/8 IN	95.00	95.00
	1	EA		
504-136 CEMENT - 40/60 POZMIX. STANDA	235	SK	5.55	1,304.25 *
507-277 HALLIBURTON-GEL BENTONITE	8	SK	15.50	124.00 *
507-210 FLOCELE	59	LB	1.40	82.60 *
500-207 BULK SERVICE CHARGE	259	CFT	1.25	323.75 *
500-306 MILEAGE CMTG MAT DEL OR RETU	240.408	TMI	.85	204.35 *

INVOICE SUBTOTAL	2,592.20
DISCOUNT-(BID)	648.03-
INVOICE BID AMOUNT	1,944.17
*-KANSAS STATE SALES TAX	91.78

INVOICE TOTAL - PLEASE PAY THIS AMOUNT *****) \$2,035.95

TERMS: If Customer does not have an approved open account with Halliburton, all sums due are payable in cash at the time of performance of services or delivery of equipment, products or materials. If customer has an approved open account, invoices are payable on the twentieth day after date of invoice. Customer agrees to pay interest on any unpaid balance from the date payable until paid at the highest lawful contract rate applicable, but never to exceed 18% per annum. In the event Halliburton employs an attorney for collection of any account, Customer agrees to pay attorney fees of 20% of the unpaid account, plus all collection and court costs.

JOB LOG FORM 2013 R-3

 DATE: **8-2-93** PAGE NO: **7**

 CUSTOMER: **HYDE - MAPS INC** WELL NO: **1** LEASE: **CAMBROW** JOB TYPE: **P.T.A.** TICKET NO: **509042**

TIME	RATE (GPM)	VOLUME (BLDG)	PUMPS	PRESSURE (PSI) HOSE	PRESSURE (PSI) CASING	DESCRIPTION
0800						CALL IN
0800						ON LOCATION
2035	5	14.87	✓			1 ST PLUG 50 SKS @ 1650'
2105		14.87	✓			2 ND PLUG 50 SKS @ 810'
2115		14.87				3 RD PLUG 50 SKS @ 400'
2135		14.87				4 TH PLUG 50 SKS @ 270'
2155		2.97				10 SKS @ TOP 40' (WOOD PLUG)
2210		4.46				15 SKS @ PADDOCK
2220		2.97				10 SKS @ MOUSEHOLE
						WASH UP
						RACK UP
2300						JOB COMPLETE
						THANK YOU
						WAYNE WILSON
						MIKE GALT
						MEL KARLEN

ORIGINAL

WELL DATA

FIELD _____ SEC 19 TWP. 16S RNG. 21W COUNTY NEXSS STATE 1

FORMATION NAME _____ TYPE _____

FORMATION THICKNESS _____ FROM _____ TO _____

INITIAL PROD: OIL _____ BPD. WATER _____ BPD. GAS _____ MCFD

PRESENT PROD: OIL _____ BPD. WATER _____ BPD. GAS _____ MCFD

COMPLETION DATE _____ MUD TYPE _____ MUD WT. _____

PACKER TYPE _____ SET AT _____

BOTTOM HOLE TEMP. _____ PRESSURE _____

MISC. DATA _____ TOTAL DEPTH _____

	NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
CASING			8 5/8	KB	269	
LINER						
TUBING						
OPEN HOLE			7 7/8	200	4330	SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

JOB DATA

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
FLOAT COLLAR		
FLOAT SHOE		
GUIDE SHOE		
CENTRALIZERS		
BOTTOM PLUG		
TOP PLUG <u>1 WOOD</u>	<u>1</u>	<u>HOLYO</u>
HEAD		
PACKER		
OTHER		

CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <u>8-2</u>	DATE <u>8-2</u>	DATE <u>8-2</u>	DATE <u>8-2</u>
TIME <u>1800</u>	TIME <u>2000</u>	TIME <u>2035</u>	TIME <u>2300</u>

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
<u>W. WASSON</u>	<u>BULK-JOB</u> <u>34004</u> <u>COMBO</u>	<u>NEXSS COY, KS</u>
<u>M. GANT</u>	<u>51797</u>	<u>"</u>
<u>M. KARLSON</u>	<u>BULK</u> <u>3860</u>	<u>1995, KS</u>

MATERIALS

TREAT. FLUID _____ DENSITY _____ LB/GAL. API

DISPL. FLUID _____ DENSITY _____ LB/GAL. API

PROP. TYPE _____ SIZE _____ LB.

PROP. TYPE _____ SIZE _____ LB.

ACID TYPE _____ GAL. _____ %

ACID TYPE _____ GAL. _____ %

ACID TYPE _____ GAL. _____ %

SURFACTANT TYPE _____ GAL. _____ IN.

NE AGENT TYPE _____ GAL. _____ IN.

FLUID LOSS ADD. TYPE _____ GAL.-LB. _____ IN.

GELLING AGENT TYPE _____ GAL.-LB. _____ IN.

FRIC. RED. AGENT TYPE _____ GAL.-LB. _____ IN.

BREAKER TYPE _____ GAL.-LB. _____ IN.

BLOCKING AGENT TYPE _____ GAL.-LB. _____

PERFPAC BALLS TYPE _____ QTY. _____

OTHER _____

OTHER _____

DEPARTMENT CEMENT

DESCRIPTION OF JOB P.T.A.

JOB DONE THRU: TUBING CASING ANNULUS TBG./ANN.

CUSTOMER REPRESENTATIVE X. Jimmie M. Kelly

HALLIBURTON OPERATOR W. J. Kelly

COPIES REQUESTED _____

CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
	<u>235</u>	<u>40% POB</u>	<u>60% STAMAD B</u>	<u>6% GEL</u>	<u>1/4" FLOCCULE PLSK</u>	<u>1.67</u>	<u>12.88</u>

PRESSURES IN PSI

SUMMARY

VOLUMES

CIRCULATING _____ DISPLACEMENT _____ PRESLUSH: BBL.-GAL. _____ TYPE _____

BREAKDOWN _____ MAXIMUM _____ LOAD & BKDN: BBL.-GAL. _____ PAD: BBL.-GAL. _____

AVERAGE _____ FRACTURE GRADIENT _____ TREATMENT: BBL.-GAL. _____ DISPL: BBL.-GAL. _____

SHUT-IN: INSTANT _____ 5-MIN _____ 15-MIN _____ CEMENT SLURRY: BBL.-GAL. 699

HYDRAULIC HORSEPOWER _____ TOTAL VOLUME: BBL.-GAL. _____

ORDERED _____ AVAILABLE _____ USED _____

AVERAGE RATES IN BPM _____

TREATING _____ DISPL. _____ OVERALL _____

CEMENT LEFT IN PIPE _____

FEET _____ REASON _____

RAMARKS _____

CUSTOMER: HYDE-PAKES INC
LEASE: COMBO
WELL NO.: 1
JOB TYPE: P.T.A.
DATE: 8-2-93

CUSTOMER COPY



ORIGINAL HALLIBURTON ENERGY SERVICES

REMIT TO:
P.O. BOX 951046
DALLAS, TX 75395-1046

INVOICE

Invoice No: 509014 Date: 07/27/1993

WELL LEASE NO./PROJECT: CAMBRON 1		WELL PROJECT LOCATION: NESS		STATE: KS	DATE: SAME
SHELF LOCATION: NESS CITY		CONTRACT NO.: MALLARD DRLG		DATE: 07/27/1993	
CUSTOMER NAME: JIM NICKLE		VENDOR NO.:		COMPANY TRUCK: 54063	

HYDE-MARRS, INC.
155 N. MARKET, SUITE 710
WICHITA, KS 67202

DIRECT CORRESPONDENCE TO:
OKLAHOMA TOWER
210 WEST PARK AVENUE
SUITE 2000
OKLAHOMA CITY, OK 73102-5601

REFERENCE NO.	DESCRIPTION	QUANTITY	UNIT	PRICE	TOTAL
PRICING AREA - MID CONTINENT					
000-117	MILEAGE	23	MI	2.75	63.25
		1	UNT		
001-016	CEMENTING CASING	269	FT	515.00	515.00
		1	UNT		
030-503	CMTG PLUG LA-11,CP-1,CP-3,TO	8	5/8 IN	95.00	95.00
		1	EA		
504-136	CEMENT 40/60 POZMIX STAND	170	SK	5.55	943.50
509-406	ANHYDROUS CALCIUM CHLORIDE	4	SK	28.25	113.00
500-207	BULK SERVICE CHARGE	178	CFT	1.25	222.50
500-306	MILEAGE CMTG MAT DEL OR RETU	170.568	THI	.85	144.98

INVOICE SUBTOTAL	2,097.23
DISCOUNT-(BID)	524.29
INVOICE BID AMOUNT	1,572.94
*-KANSAS STATE SALES TAX	52.33

RECEIVED
KANSAS CORPORATION COMMISSION
SEP 02 1993
CONSERVATION DIVISION
WICHITA, KS

INVOICE TOTAL - PLEASE PAY THIS AMOUNT ----->

\$1,625.27

TERMS: If Customer does not have an approved open account with Halliburton, all sums due are payable in cash at the time of performance of services or delivery of equipment, products or materials. If customer has an approved open account, invoices are payable on the twentieth day after date of invoice. Customer agrees to pay interest on any unpaid balance from the date payable until paid at the highest lawful contract rate applicable, but never to exceed 18% per annum. In the event Halliburton employs an attorney for collection of any account, Customer agrees to pay attorney fees of 20% of the unpaid account, plus all collection and court costs.

CUSTOMER *P. Williams*
LEASE *Williams*
WELL NO. *1*
JOB TYPE *Surf*
DATE *7 27 93*

ORIGINAL

WELL DATA

FIELD _____ SEC _____ TWP _____ RNG _____ COUNTY *Ne.* STATE *Ok.*

FORMATION NAME _____ TYPE _____

FORMATION THICKNESS _____ FROM _____ TO _____

INITIAL PROD: OIL _____ BPD. WATER _____ BPD. GAS _____ MCFD

PRESENT PROD: OIL _____ BPD. WATER _____ BPD. GAS _____ MCFD

COMPLETION DATE _____ MUD TYPE _____ MUD WT. _____

PACKER TYPE _____ SET AT _____

BOTTOM HOLE TEMP. _____ PRESSURE _____

MISC. DATA _____ TOTAL DEPTH *269*

	NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
CASING	<i>N</i>	<i>20</i>	<i>5 7/8</i>	<i>24</i>	<i>269</i>	
LINER						
TUBING						
OPEN HOLE						SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

JOB DATA

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
FLOAT COLLAR		
FLOAT SHOE		
GUIDE SHOE		
CENTRALIZERS		
BOTTOM PLUG		
TOP PLUG <i>LA-11</i>	<i>5 7/8"</i>	<i>1</i>
HEAD		
PACKER		
OTHER		

CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <i>7 27 93</i>	DATE <i>7 27 93</i>	DATE <i>7 27 93</i>	DATE <i>7 27 93</i>
TIME <i>20:00</i>	TIME <i>22:00</i>	TIME <i>0:45</i>	TIME <i>0:45</i>

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
<i>P. Leggett</i>	<i>0005</i>	<i>Ne. City, Ok.</i>
<i>W. Wil</i>	<i>51771</i>	<i>Ne. City, Ok.</i>
<i>A. Cole</i>	<i>0018</i>	<i>Ne. City, Ok.</i>

MATERIALS

TREAT. FLUID _____ DENSITY _____ LB/GAL. °API

DISPL. FLUID _____ DENSITY _____ LB/GAL. °API

PROP. TYPE _____ SIZE _____ LB.

PROP. TYPE _____ SIZE _____ LB.

ACID TYPE _____ GAL _____ %

ACID TYPE _____ GAL _____ %

ACID TYPE _____ GAL _____ %

SURFACTANT TYPE _____ GAL _____ IN

NE AGENT TYPE _____ GAL _____ IN

FLUID LOSS ADD. TYPE _____ GAL.-LB. _____ IN

GELLING AGENT TYPE _____ GAL.-LB. _____ IN

FRIC. RED. AGENT TYPE _____ GAL.-LB. _____ IN

BREAKER TYPE _____ GAL.-LB. _____ IN

BLOCKING AGENT TYPE _____ GAL.-LB. _____

PERFFAC BALLS TYPE _____ QTY. _____

OTHER _____

OTHER _____

DEPARTMENT *P.O.*

DESCRIPTION OF JOB *Cementation*

JOB DONE THRU: TUBING CASING ANNULUS TBG./ANN.

CUSTOMER REPRESENTATIVE *X Jim Meble*

HALLIBURTON OPERATOR *Ray B. Leggett* COPIES REQUESTED _____

CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
	<i>170</i>	<i>40/60 P2</i>		<i>0</i>	<i>4 Gal, 3% CC</i>	<i>1.36</i>	<i>13.9</i>

PRESSURES IN PSI

SUMMARY

VOLUMES

CIRCULATING _____ DISPLACEMENT _____

BREAKDOWN _____ MAXIMUM _____

AVERAGE _____ FRACTURE GRADIENT _____

SHUT-IN: INSTANT _____ 5-MIN _____ 15-MIN _____

HYDRAULIC HORSEPOWER _____

ORDERED _____ AVAILABLE _____ USED _____

AVERAGE RATES IN BPM _____

TREATING _____ DISPL. _____ OVERALL _____

CEMENT LEFT IN PIPE _____

FEET *15* REASON *Require 1st*

PRESLUSH: BBL.-GAL. _____ TYPE _____

LOAD & BKDN: BBL.-GAL. _____ PAD: BBL.-GAL. _____

TREATMENT: BBL.-GAL. _____ DISPL. BBL.-GAL. *16.5*

CEMENT SLURRY: BBL.-GAL. *31*

TOTAL VOLUME: BBL.-GAL. _____

RAMARKS

See Chart & Job Log

Thanks Ray

JOB LOG FORM 2013 R-3

CUSTOMER <i>Ryan & Williamson</i>	WELL NO. <i>1</i>	LEASE <i>Cambron</i>	JOB TYPE <i>Surface</i>	TICKET NO. <i>509014</i>
--	----------------------	-------------------------	----------------------------	-----------------------------

TIME	WELL NO.	LEASE	JOB TYPE	DESCRIPTION
2030				Called out
2230				on loc. setup truck
12300				Rig Drilling @ 53' to 70' of 269'
0245				Start 27" Surface Casing pipe
0400	39			Casing on Bottom Record Checked
0410	115			Start mixing 110 sl. 40/60 Poz
0415				Finished mixing Return Pig and Displace 16 551
				Pig down
				Completed 551 @ 7 to pit
				Wash & Pack up truck
				Job Complete

Thermal Log