

FORM MUST BE TYPED

ORIGINAL

SIDE ONE

CONFIDENTIAL

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

Operator: License # 9953

Name: HARRIS OIL AND GAS COMPANY

Address 1125 17TH STREET, SUITE 2290

City/State/Zip DENVER; CO 80202

Purchaser: _____

Operator Contact Person: BUD HARRIS

Phone (303) 293-8838

Contractor: Name: TRANSPAC DRILLING

License: 9408 **KCC**

Wellsite Geologist: DANIEL R. SOMMER **FEB 9**

Designate Type of Completion

New Well Re-Entry Workover
 Oil SVD SIOW Temp. Abd.
 Gas ENHR SIGW
 Dry Other (Core, WSW, 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/SVD
 Plug Back PBDT
 Commingled Docket No. _____
 Dual Completion Docket No. _____
 Other (SVD or Inj?) Docket No. _____

11-19-93 12-1-93 1-7-94
Spud Date Date Reached TD Completion Date

API NO. 15- 187-20707-0000

County STANTON

150 S OF SE NW Sec. 28 Twp. 29 Rgs. 39

2130 Feet from S (circle one) Line of Section

1980 Feet from E (circle one) Line of Section

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

Lease Name R & L FARMS Well # 1-28

Field Name WILDCAT

Producing Formation ST. LOUIS

Elevation: Ground 3184 KB 3196

Total Depth 5800 PBDT 5744

Amount of Surface Pipe Set and Cemented at 1663 Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set 3011

If Alternate II completion, cement circulated from _____

feet depth set 3011 w/ 200 _____

Drilling Fluid Management Plan CB 5-16-94
(Data must be collected from the Reserve Pit)

Chloride content 5000 ppm Fluid volume 2500 bbl

Dewatering method used CUT WINDOWS IN WALL TO AID

IN NATURAL EVAPORATION.

Location of fluid disposal if hauled offsite: _____

Operator Name _____

Lease Name RELEASED License No. _____

Quarter _____ Sec. 1005 Twp. _____ S Rng. _____ E/W

County _____ Docket No. _____

FROM CONFIDENTIAL

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 W.G. Harris

Title PRESIDENT Date 2-9-94

Subscribed and sworn to before me this 9TH day of FEBRUARY, 19 94

Notary Public ALICE E. BERRY

Date Commission Expires NOVEMBER 23, 1995

K.C.C. OFFICE USE ONLY
F Letter of Confidentiality Attached
C Wireline Log Received
C Geologist Report Received
Distribution
 KCC SVD/Rep NGPA
 KGS Plug Other (Specify) PI

Operator Name HARRIS OIL AND GAS COMPANY

Lease Name R & L FARMS

Well # 1-28

Sec. 28 Twp. 29 Rge. 39

East
 West

County STANTON

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: DIL, CNL-FDC, MICRO, BHS

Log Formation (Top), Depth and Datum Sample

Name	Top	Datum
HEEBNER	3794	- 598
MARMATON	4426	-1230
ATOKA	4810	-1614
MORROW	5142	-1946
CHESTER	5502	-2306
ST. GEN	5580	-2384
ST. LOUIS	5680	-2484

BY: SCHLUMBERGER W & T

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"	24	1663	LITE	535	2%CC
PRODUCTION	7 7/8"	5 1/2"	15.5	5796	CLASS H	150	15% kcl, 6/10 halad 322

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
8	5680-82		
4	5677-85'		

TUBING RECORD	Size	Set At	Packer At	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
	2 7/8"	5729		

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)
1-7-94	

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf.	Water Bbls.	Gas-Oil Ratio	Gravity
	89	NA	I	0/1	40

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
ST. LOUIS
5677-85

ORIGINAL
TRILOBITE TESTING, L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Drill-Stem Test Data *API#15-187-20707*

CONFIDENTIAL

Well Name R & L FARMS #1-28 Test No. 1 Date 11/30/93
Company HARRIS OIL & GAS Zone ST LOUIS
Address 410 17th ST #2310 DENVER CO Elevation 3196 KB
Co. Rep./Geo. HAROLD FRAULI Cont. TRANS PACK RIG #2 Est. Ft. of Pay _____
Location: Sec. 28 Twp. 39S Rge. 29W Co. STANTON State KS

Interval Tested 5660-5715 Drill Pipe Size 4.5" XH
Anchor Length 55 Wt. Pipe I.D. - 2.7 Ft. Run _____
Top Packer Depth 5655-5660 Drill Collar - 2.25 Ft. Run 615
Bottom Packer Depth 5715 Mud Wt. 9.1 lb/Gal.
Total Depth 5800 Viscosity 55 Filtrate 8.8

Tool Open @ _____ Initial Blow HIT BRIDGE AT 3490' -OUT OF HOLE-MISRUN

Final Blow _____

Recovery - Total Feet _____ **RELEASED** Flush Tool? NO **FEB 9**

MAY 24 1995
Rec. _____ Feet of _____
Rec. _____ Feet of _____
Rec. _____ Feet of _____
Rec. _____ Feet of _____
Rec. _____ Feet of _____

BHT 103 °F Gravity _____ °API @ _____ °F Corrected Gravity _____ °API
RW _____ @ _____ °F Chlorides _____ ppm Recovery Chlorides 1200 ppm System

(A) Initial Hydrostatic Mud 1689.1 PSI AK1 Recorder No. 13308 Range 4700

(B) First Initial Flow Pressure _____ PSI @ (depth) 5664 w/ Clock No. 17652

(C) First Final Flow Pressure _____ PSI AK1 Recorder No. 11057 Range 4500

(D) Initial Shut-in Pressure _____ PSI @ (depth) 5705 w/ Clock No. 27566

(E) Second Initial Flow Pressure _____ PSI AK1 Recorder No. 2023 Range 4000

(F) Second Final Flow Pressure _____ PSI @ (depth) 5755 w/ Clock No. 7452

(G) Final Shut-in Pressure _____ PSI Initial Opening _____ Final Flow _____

(H) Final Hydrostatic Mud 1689.1 PSI Initial Shut-in _____ Final Shut-in _____

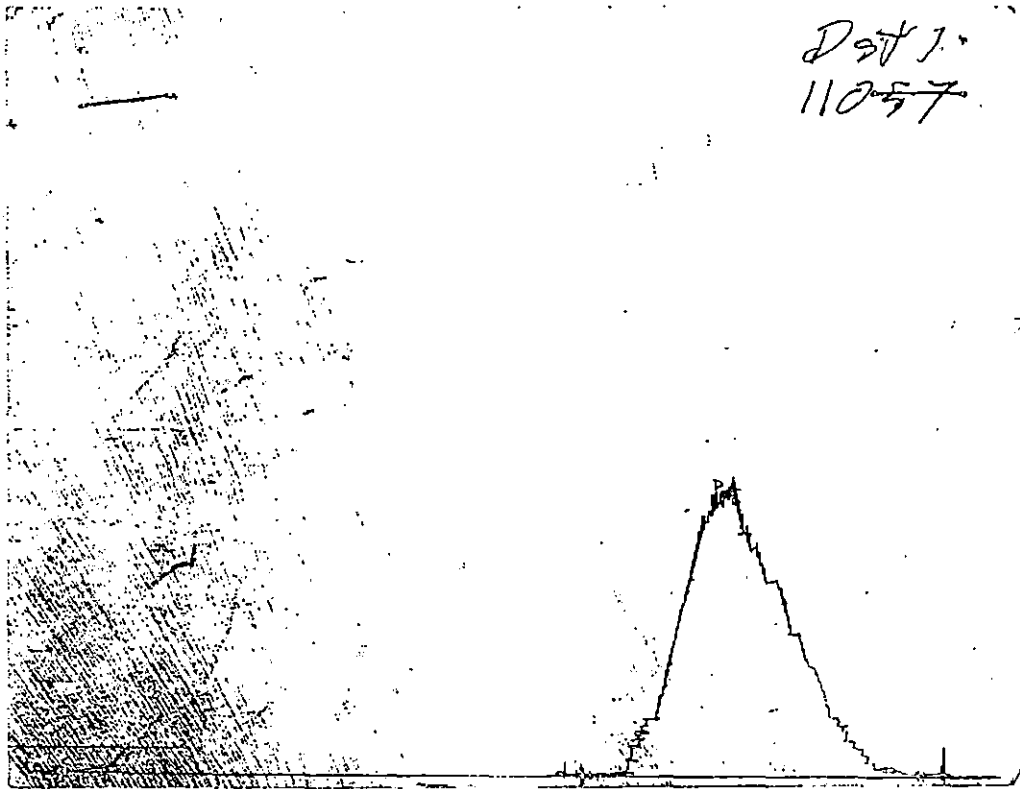
Our Representative MARK HERSKOWITZ

CONFIDENTIAL

FROM CONFIDENTIAL

CHART PAGE

Dot 1.
110-57



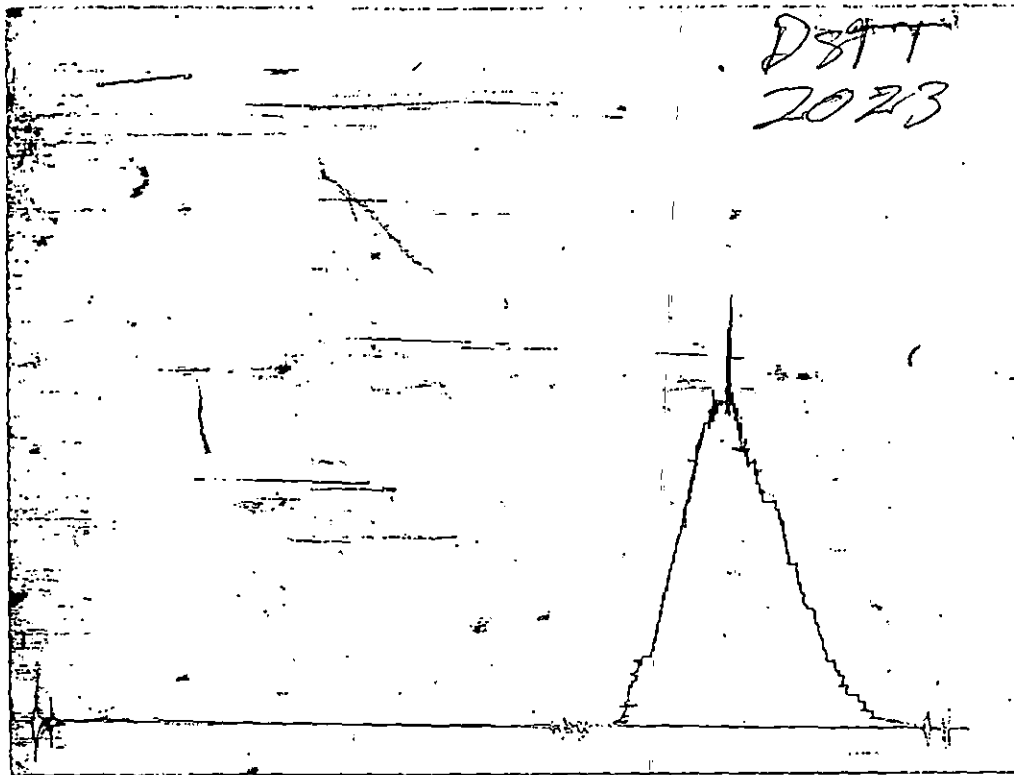
REVERSE

This is an actual photograph of recorder chart

FROM CONFIDENTIAL

	FIELD READING	OFFICE READING
(A) INITIAL HYDROSTATIC MUD	1688	1689.1
(B) FIRST INITIAL FLOW PRESSURE		
(C) FIRST FINAL FLOW PRESSURE		
(D) INITIAL-CLOSED-IN PRESSURE		
(E) SECOND INITIAL FLOW PRESSURE		
(F) SECOND FINAL FLOW PRESSURE		
(G) FINAL CLOSED-IN PRESSURE		
(H) FINAL HYDROSTATIC MUD	1688	1689.1

CHART PAGE



CONFIDENTIAL

This is an actual photograph of recorder chart

FIELD
READING

OFFICE
READING

- (A) INITIAL HYDROSTATIC MUD
- (B) FIRST INITIAL FLOW PRESSURE
- (C) FIRST FINAL FLOW PRESSURE
- (D) INITIAL CLOSED-IN PRESSURE
- (E) SECOND INITIAL FLOW PRESSURE
- (F) SECOND FINAL FLOW PRESSURE
- (G) FINAL CLOSED-IN PRESSURE
- (H) FINAL HYDROSTATIC MUD

RELEASED

MAY 24 1995

FROM CONFIDENTIAL

TRILOBITE TESTING, L.L.C. CONFIDENTIAL

P.O. Box 362 • Hays, Kansas 67601

Drill-Stem Test Data

Well Name R & L FARMS #1-28 Test No. 2 Date 11/30/93
Company HARRIS OIL & GAS Zone ST LOUIS
Address 410 17th ST #2310 DENVER CO Elevation 3196 KB
Co. Rep./Geo. HAROLD FRAULI Cont. TRANS PACK RIG #2 Est. Ft. of Pay _____
Location: Sec. 28 Twp. 39S Rge. 29W Co. STANTON State KS

Interval Tested 5660-5715 Drill Pipe Size 4.5" XH
Anchor Length 55 Wt. Pipe I.D. - 2.7 Ft. Run _____
Top Packer Depth 5655-5660 Drill Collar - 2.25 Ft. Run 555
Bottom Packer Depth 5715 Mud Wt. 9 lb/Gal.
Total Depth 5800 Viscosity 49 Filtrate 8

Tool Open @ 7:03 PM Initial Blow OFF BOTTOM IN 15 SECONDS-GAS TO SURFACE IN 6 MINUTES
OIL TO SURFACE IN 11 MINUTES

Final Blow _____

Recovery - Total Feet _____ Flush Tool? NO **RELEASED**

Rec. _____ Feet of _____ **MAY 24 1995**

Rec. _____ Feet of _____

Rec. _____ Feet of _____ **FROM CONFIDENTIAL**

Rec. _____ Feet of _____

Rec. _____ Feet of _____

BHT 142 °F Gravity 46 °API @ 80 °F Corrected Gravity 44 °API

RW _____ @ _____ °F Chlorides _____ ppm Recovery Chlorides 1400 ppm System

(A) Initial Hydrostatic Mud 2774.3 PSI AK1 Recorder No. 13308 Range 4700

(B) First Initial Flow Pressure 889.6 PSI @ (depth) 5664 w / Clock No. 17652

(C) First Final Flow Pressure 998.2 PSI AK1 Recorder No. 11057 Range 4500

(D) Initial Shut-in Pressure 1433.5 PSI @ (depth) 5705 w / Clock No. 27566

(E) Second Initial Flow Pressure _____ PSI AK1 Recorder No. 2023 Range 4000

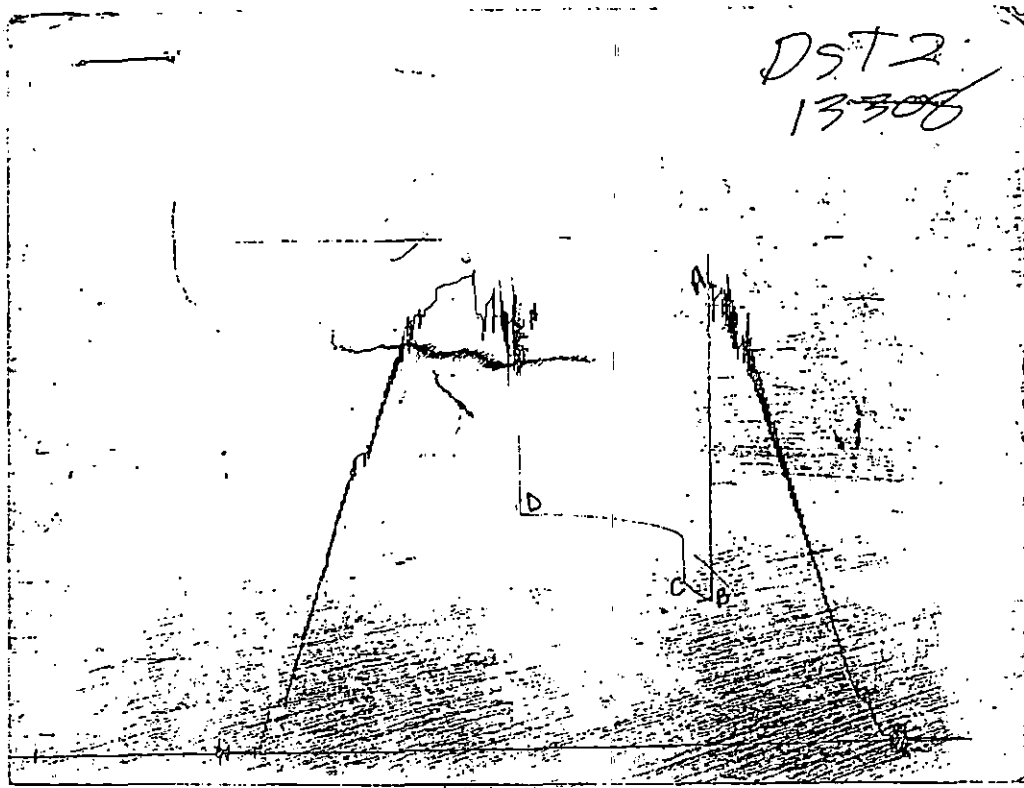
(F) Second Final Flow Pressure _____ PSI @ (depth) 5795 w / Clock No. 7452

(G) Final Shut-in Pressure _____ PSI Initial Opening 20 Final Flow _____

(H) Final Hydrostatic Mud 2755.9 PSI Initial Shut-in 120 Final Shut-in _____

MARK HERSKOWITZ

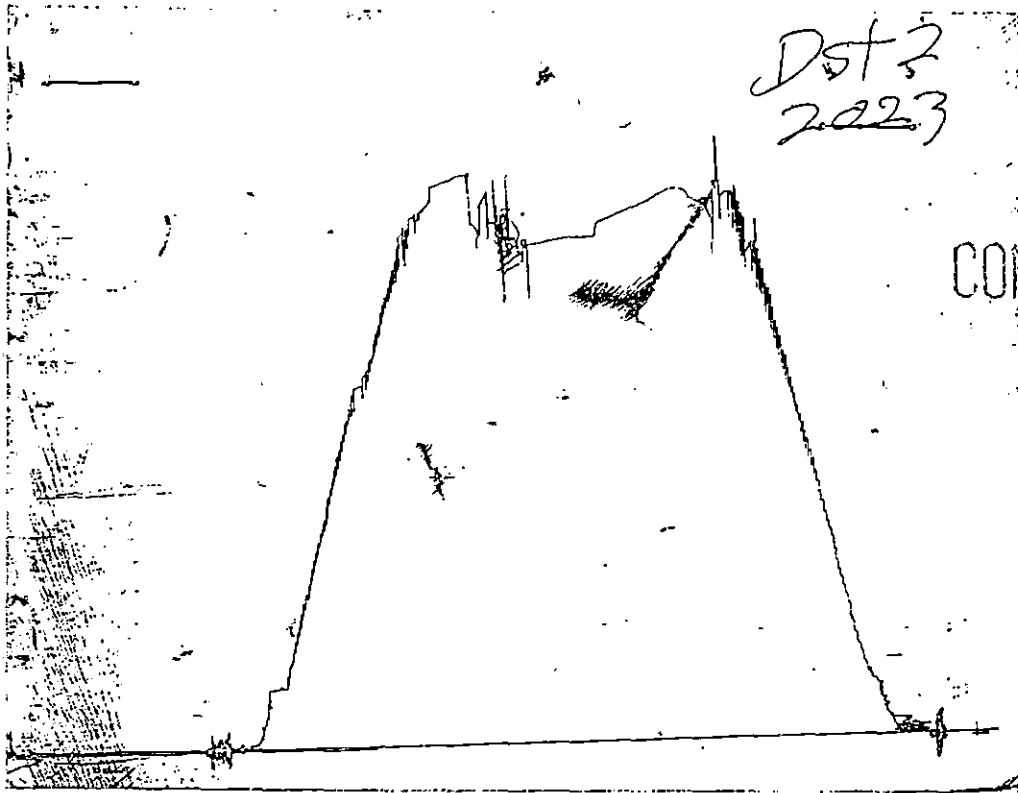
CHART PAGE



This is an actual photograph of recorder chart

	FIELD READING	OFFICE READING
(A) INITIAL HYDROSTATIC MUD	2768	2774.3
(B) FIRST INITIAL FLOW PRESSURE	888	889.6
(C) FIRST FINAL FLOW PRESSURE	994	998.2
(D) INITIAL CLOSED-IN PRESSURE	1429	1433.5
(E) SECOND INITIAL FLOW PRESSURE		
(F) SECOND FINAL FLOW PRESSURE		
(G) FINAL CLOSED-IN PRESSURE		
(H) FINAL HYDROSTATIC MUD	2744	2755.9

CHART PAGE



This is an actual photograph of recorder chart

FIELD
READING

OFFICE
READING

- (A) INITIAL HYDROSTATIC MUD
- (B) FIRST INITIAL FLOW PRESSURE
- (C) FIRST FINAL FLOW PRESSURE
- (D) INITIAL CLOSED-IN PRESSURE
- (E) SECOND INITIAL FLOW PRESSURE
- (F) SECOND FINAL FLOW PRESSURE
- (G) FINAL CLOSED-IN PRESSURE
- (H) FINAL HYDROSTATIC MUD

RELEASED
MAY 24 1995
FROM CONFIDENTIAL

GAS VOLUME REPORT

HARRIS OIL & GAS

R & L FARMS #1-28

DST # 2

MIN	PSIG	ORIFICE	MCF/D	MIN	PSIG	ORIFICE	MCF/D
OFF BOTTOM IN 15 SECONDS							
5	2	1	195				
10	6	1	353				

FROM COMMENTS
MAY 3 4 1952
OFF BOTTOM

Remarks: OIL TO SURFACE IN 11 MINUTES/ GAS TO SURFACE IN 6 MINUTES



HALLIBURTON ENERGY SERVICES

TICKET CONTINUATION

COPY

TICKET No. 57459

FORM 1911 R-9

CUSTOMER		WELL		DATE	PAGE	OF			
Harris Oil & Gas		R & L Farms		12-20-93					
PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		UNIT PRICE	AMOUNT
		LOC	ACCT	DF		QTY.	U/M		
504-050	516.00265				Premium Plus Cement	190	sk	9.22	922.00
504-120					Halliburton Light Cement	200	sk	8.21	1642.00
504-050	516.00265								
506-105	516.00286								
506121	516.00259								
509400	890.50071				Flocele 1/4"/300sk	75	lb	1.40	105.00
509-406	890.50812				Calcium Chloride 2%/300aks	5	sk	28.25	141.25
<p>FROM CONFIDENTIAL</p> <p>MAY 24 1995</p> <p>RELEASED</p> <p>KUC</p> <p>FEB 9</p> <p>CONFIDENTIAL</p>									
<p>ORIGINAL</p> <p>CONFIDENTIAL</p>									
SERVICE CHARGE						CUBIC FEET			
500-207						315		1.35	425.25
500-306					MILEAGE CHARGE	TOTAL WEIGHT	LOADED MILES		
						28,348	20	95	269.30

CONSERVATION DIVISION
 Wichita, Kansas
 FEB 15 1994

STATE CORPORATION COMMISSION

CONTINUATION TOTAL 3579.00



JOB SUMMARY

DIVISION _____
HALLIBURTON LOCATION _____

WELL NO. _____

BILLED ON TICKET NO. 574509

WELL DATA

FIELD _____ SEC. _____ TWP. _____ RNG. _____ COUNTY 111 300 STATE KS

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	<u>W</u>	<u>16.5</u>	<u>5.5</u>	<u>0</u>	<u>5716</u>	
LINER						
TUBING	<u>U</u>	<u>1.5</u>	<u>2 7/8</u>	<u>0</u>	<u>2011</u>	
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		
HEAD		
PACKER		
OTHER		

CALLER OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE: <u>2 20 95</u>	DATE: <u>2 20 95</u>	DATE: <u>2 20 95</u>	DATE: <u>2 20 95</u>
TIME: <u>12:00</u>	TIME: <u>14:45</u>	TIME: <u>16:50</u>	TIME: <u>17:45</u>

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
<u>D Nicholas</u>	<u>37458</u>	<u>Liberal</u>
<u>W FOX</u>	<u>57454</u>	<u>11</u>
<u>A Clark</u>	<u>3124</u>	<u>Holton</u>
<u>C 2724</u>	<u>57417</u>	

CONFIDENTIAL

KCC

FEB 9

CONFIDENTIAL

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 _____ 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 _____

DESCRIPTION OF JOB _____

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

CUSTOMER REPRESENTATIVE X E E Hillman

HALLIBURTON OPERATOR Charles L. Nichols COPIES REQUESTED _____

CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
	<u>200</u>	<u>high 7 C</u>			<u>1/4" F. 10.1</u>		
	<u>160</u>	<u>C</u>			<u>1/4" F. 10.1</u>		

PRESSURES IN PSI

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 _____ REASON _____

SUMMARY

VOLUMES

PRESLUSH: BBL.-GAL. 10 TYPE LESTE

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

TREATMENT: BBL.-GAL. _____ DISPL: BBL.-GAL. 16

CEMENT SLURRY: BBL.-GAL. 755

TOTAL VOLUME: BBL.-GAL. 22 P.M. (10.0) P

REMARKS

ORIGINAL**CONFIDENTIAL****RELEASED****MAY 24 1995****FROM CONFIDENTIAL**CUSTOMER _____
LEASE _____
WELL NO. _____
JOB TYPE _____
DATE _____

JOB LOG FORM 2013 R-4

CUSTOMER		WELL NO.		LEASE		JOB TYPE		TICKET NO.	
Harris Oil-Gas		1-28		R/L Farms		FC Cement		574509	
CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS	
				T	C	TUBING	CASING		
	1200								Called out on location dry up Safety meeting
									ORIGINAL
	1650								Run Tubing Pressure Test Casing
	1653								Open Tool
	1656	2.5	10	✓		450			Pressure Test
	1658	2.5	23.3	✓		350			Pressure Test
	1713	2.5	23.5	✓		400			Pressure Test
	1720	2.5	16	✓		230 11000			Pressure Test
	1727			✓		1570			Pressure Test
	1730	2	22	✓		600			Running with H.L. RO LUBRIC
	1745								Pressure Test

RECEIVED
 OPERATIONS DIVISION
 FEB 13 1994
 STATE OF ARIZONA
 OPERATIONS DIVISION
 WILSON

KCC
FEB 9
CONFIDENTIAL

RELEASED
MAY 24 1995
FROM CONFIDENTIAL



HALLIBURTON ENERGY SERVICES

FORM 1908 R-13

CHARGE TO: H/O 3 D.I. 6600

ADDRESS

CITY, STATE, ZIP CODE

COPY

TICKET

No.

574509 - 1

PAGE 1 OF

1. SERVICE LOCATIONS	WELL/PROJECT NO.	LEASE	COUNTY/PARISH	STATE	CITY/OFFSHORE LOCATION	DATE	OWNER
2. Houston				A		12/10/92	...
3.	TICKET TYPE <input type="checkbox"/> SERVICE <input type="checkbox"/> SALES	NITROGEN JOB? <input type="checkbox"/> YES <input type="checkbox"/> NO	CONTRACTOR	RIG NAME/NO.	SHIPPED VIA	DELIVERED TO	ORDER NO.
4.	WELL TYPE	WELL CATEGORY	JOB PURPOSE	WELL PERMIT NO.	WELL LOCATION		
REFERRAL LOCATION	INVOICE INSTRUCTIONS						

PRICE REFERENCE	SECONDARY REFERENCE / PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		U/M		UNIT PRICE	AMOUNT
		LOC	ACCT	DF							
					MILEAGE	4				2.75	11.00
											14.00
FROM CONFIDENTIAL MAY 24 1995 RELEASED CONFIDENTIAL FEB 9 KCC STATE RECEIVED FEB 15 1994 CONSERVATION DIVISION Wichita, Kansas ORIGINAL CONFIDENTIAL											

LEGAL TERMS: Customer hereby acknowledges and agrees to the terms and conditions on the reverse side hereof which include, but are not limited to, **PAYMENT, RELEASE, INDEMNITY, and LIMITED WARRANTY** provisions.

CUSTOMER OR CUSTOMER'S AGENT SIGNATURE: X [Signature]

DATE SIGNED: _____ TIME SIGNED: _____ A.M. P.M.

do do not require IPC (Instrument Protection). Not offered

SUB SURFACE SAFETY VALVE WAS: <input type="checkbox"/> PULLED & RETURN <input type="checkbox"/> PULLED <input type="checkbox"/> RUN		SURVEY		AGREE	UN-DECIDED	DIS-AGREE	PAGE TOTAL
TYPE LOCK	DEPTH	OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?	1			FROM CONTINUATION PAGE(S)	
BEAN SIZE	SPACERS	WE UNDERSTOOD AND MET YOUR NEEDS?	1				5051
TYPE OF EQUALIZING SUB.	CASING PRESSURE	OUR SERVICE WAS PERFORMED WITHOUT DELAY?	1			SUB-TOTAL APPLICABLE TAXES WILL BE ADDED ON INVOICE	
TUBING SIZE	TUBING PRESSURE	WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?	1				5051
WELL DEPTH		ARE YOU SATISFIED WITH OUR SERVICE?	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO				
TREE CONNECTION	TYPE VALVE	<input type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND					

CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES The customer hereby acknowledges receipt of the materials and services listed on this ticket.

CUSTOMER OR CUSTOMER'S AGENT (PLEASE PRINT)	CUSTOMER OR CUSTOMER'S AGENT (SIGNATURE)	HALLIBURTON OPERATOR/ENGINEER	EMP #	HALLIBURTON APPROVAL
E. D. ...	X [Signature]	[Signature]		

JOB LOG FORM 2013 R-4

CUSTOMER	WELL NO.	LEASE	JOB TYPE	TICKET NO.
Harris Oil Gas	1-28	McIntosh Colliery	SSK Surface	649682

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	0800							Called out on location Rig up Safety meeting
ORIGINAL								KCC FEB 9 CONFIDENTIAL
	1525		1962		✓	150		Start lead cement 535SKs
	1553		35.2		✓	250		Start Tail Cement 150SKs
	1600							Release plug
			103.2		✓	150 500		Displace Plug
	1622				✓	1600		Lead Plug
								0 Release psi check FLOW OK
								Circulated 26 BBL cement

RELEASED

MAY 24 1995

FROM CONFIDENTIAL

RECEIVED
STATE CORPORATION COMMISSION

MAY 03 1994



CHARGE TO: Halliburton Oil Co.
 ADDRESS:
 CITY, STATE, ZIP CODE:

COPY

TICKET

No. **649682-0**

RECEIVED
 STATE CORPORATION
 MAY 03 1995
 OWNER
 CONSERVATION DIVISION
 Wichita, Kansas

FORM 1906 R-13

SERVICE LOCATIONS	WELL/PROJECT NO.	LEASE	COUNTY/PARISH	STATE	CITY/OFFSHORE LOCATION	DATE
1. <u>Liberty</u>	<u>1-25</u>	<u>...</u>	<u>...</u>	<u>Ks</u>		<u>11-20-94</u>
2. <u>...</u>	TICKET TYPE	NITROGEN JOB?	CONTRACTOR	RIG NAME/NO.	SHIPPED VIA	DELIVERED TO
3.	<input type="checkbox"/> SERVICE	<input type="checkbox"/> YES	<u>...</u>	<u>2</u>		<u>Halliburton</u>
4.	<input type="checkbox"/> SALES	<input checked="" type="checkbox"/> NO				ORDER NO.
REFERRAL LOCATION	WELL TYPE	WELL CATEGORY	JOB PURPOSE	WELL PERMIT NO.	WELL LOCATION	INVOICE INSTRUCTIONS
	<u>11</u>	<u>...</u>	<u>...</u>			

PRICE REFERENCE	SECONDARY REFERENCE PART NUMBER	ACCOUNTING LOC ACCT DF	DESCRIPTION	QTY.		U/M		UNIT PRICE	AMOUNT
			MILEAGE	26		mi		2.75	97.00
			plug change	1167		ft			1220.00
			Surfer Top Plug	1		ea	89.00		120.00
			Grade Stone	1		ea	82.00		216.00
			...	1		ea	89.00		171.00
			Auto fill	1		ea	89.00		55.00
			...	2		ea	89.00	22.00	216.00

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LEGAL TERMS: Customer hereby acknowledges and agrees to the terms and conditions on the reverse side hereof which include, but are not limited to, **PAYMENT, RELEASE, INDEMNITY, and LIMITED WARRANTY** provisions.

CUSTOMER OR CUSTOMER'S AGENT SIGNATURE: X

DATE SIGNED: 11-20-94 TIME SIGNED: 1400 A.M. P.M.

TUBING SIZE: _____ TUBING PRESSURE: _____ WELL DEPTH: _____

TREE CONNECTION: _____ TYPE VALVE: _____

do not require IPC (Instrument Protection). Not offered

SUB SURFACE SAFETY VALVE WAS: PULLED & RETURN PULLED RUN

SURVEY AGREE UN-DECIDED DIS-AGREE

OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?

WE UNDERSTOOD AND MET YOUR NEEDS?

OUR SERVICE WAS PERFORMED WITHOUT DELAY?

WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?

ARE YOU SATISFIED WITH OUR SERVICE? YES NO

CUSTOMER DID NOT WISH TO RESPOND

PAGE TOTAL: 2167

FROM CONTINUATION PAGE(S): 5539

SUB-TOTAL APPLICABLE TAXES WILL BE ADDED ON INVOICE

CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES The customer hereby acknowledges receipt of the materials and services listed on this ticket.

CUSTOMER OR CUSTOMER'S AGENT (PLEASE PRINT): X

CUSTOMER OR CUSTOMER'S AGENT (SIGNATURE): ...

HALLIBURTON OPERATOR/ENGINEER: ... EMP # _____

HALLIBURTON APPROVAL: _____

WELL DATA

FIELD _____ SEC. _____ TWP. _____ RNG. _____ COUNTY Stanton STATE KS

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 _____

JOB DATA

CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <u>11-20-93</u>	DATE <u>11-20-93</u>	DATE <u>11-20-93</u>	DATE <u>11-20-93</u>
TIME <u>0530</u>	TIME <u>1230</u>	TIME <u>1525</u>	TIME <u>1825</u>

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
<u>C. Nicholas</u>	<u>7755</u>	<u>LIBERAL</u>
<u>H1525</u>		
<u>T. Bond</u>	<u>52947</u>	<u>11 11</u>
<u>D46011</u>	<u>75496</u>	
<u>C. Conner</u>	<u>3625</u>	<u>Hugot</u>
<u>G2728</u>	<u>5574</u>	
<u>A. Clark</u>	<u>41444</u>	
<u>G2724</u>	<u>4711</u>	

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DEPARTMENT CONCRETE DESCRIPTION OF JOB CONFIDENTIAL

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

CUSTOMER REPRESENTATIVE X. E. ...

HALLIBURTON OPERATOR C. ... COPIES REQUESTED _____

CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
	<u>535</u>	<u>Port Light</u>			<u>2% CC 1/2" Fines</u>	<u>2.06</u>	<u>17.3</u>
	<u>150</u>	<u>Port</u>			<u>2% CC</u>	<u>1.32</u>	<u>1.49</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. 103.2

SHUT-IN: INSTANT _____ 5-MIN _____ 15-MIN _____ CEMENT SLURRY: BBL.-GAL. 231.4

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

ORDERED _____ AVAILABLE _____ USED _____ REMARKS RECEIVED

AVERAGE RATES IN BPM _____ STATE CORPORATION COMMISSION

TREATING _____ DISPL. _____ OVERALL _____ CEMENT LEFT IN PIPE _____

FEET 43 REASON Boffle MAY 03 1994

CUSTOMER HUGOT'S 0.10 GOS LEASE ... WELL NO. 1-25 JOB TYPE 8 3/4 50-500 DATE 11-20-93

WELL DATA

FIELD _____ SEC _____ TWP. _____ RNG. _____ COUNTY _____ STATE _____

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 _____

Table with columns: NEW USED, WEIGHT, SIZE, FROM, TO, MAXIMUM PSI ALLOWABLE. Rows include CASING, LINER, TUBING, OPEN HOLE, PERFORATIONS.

JOB DATA

TOOLS AND ACCESSORIES table with columns: TYPE AND SIZE, QTY., MAKE. Rows include FLOAT COLLAR, FLOAT SHOE, GUIDE SHOE, CENTRALIZERS, BOTTOM PLUG, TOP PLUG, HEAD, PACKER, OTHER.

Table with columns: CALLED OUT, ON LOCATION, JOB STARTED, JOB COMPLETED. Sub-columns: DATE, TIME.

PERSONNEL AND SERVICE UNITS

Table with columns: NAME, UNIT NO. & TYPE, LOCATION. Includes handwritten notes and 'ORIGINAL' stamps.

MATERIALS

TREAT. FLUID _____ DENSITY _____ LB/GAL. API
DISPL. FLUID _____ DENSITY _____ LB/GAL. API
PROP. TYPE _____ SIZE _____ LB.
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. _____ IN
PERFPAC BALLS TYPE _____ GAL.-LB. _____ IN
OTHER _____
OTHER _____

DEPARTMENT _____
DESCRIPTION OF JOB _____
JOB DONE THRU: TUBING [] CASING [] ANNULUS [] TBG./ANN. []

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CUSTOMER REPRESENTATIVE [Signature]
HALLIBURTON OPERATOR _____ COPIES REQUESTED _____

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CEMENT DATA

Table with columns: STAGE, NUMBER OF SACKS, CEMENT, BRAND, BULK SACKED, ADDITIVES, YIELD CU.FT./SK., MIXED LBS./GAL.

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 _____ REASON _____

PRESLUSH: BBL.-GAL. _____ TYPE _____
LOAD & BKDN: BBL.-GAL. _____ PAD: BBL.-GAL. _____
TREATMENT: BBL.-GAL. _____ DISPL: BBL.-GAL. _____
CEMENT SLURRY: BBL.-GAL. _____
TOTAL VOLUME: BBL.-GAL. _____

REMARKS

RECEIVED
STATE CORPORATION COMMISSION
MAY 03 1994

JOB LOG FORM 2013 R-4

CUSTOMER <i>Hess Oil Co.</i>	WELL NO.	LEASE <i>R. L. FIELDS</i>	JOB TYPE <i>3" Completion</i>	TICKET NO. <i>642341</i>
---------------------------------	----------	------------------------------	----------------------------------	-----------------------------

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	9:30							Called out RENO 10:30
	10:00							Called out L.P.D.P.
	12:00							Start work
	1:00							Work up well
	1:41							Pressure build up
	12:42	5	100					Flow test 100 bpm 100 gal
	1:00	5	100					Flow test 100 bpm 100 gal
	12:51							Stop work
	1:00	5	100					Flow test 100 bpm 100 gal
	12:01							Stop work
	12:30							Stop work

KCC

FEB 9 1994

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*Thank you for calling
Halliburton
Robert Johnson*

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MAY 03 1994

CONSERVATION DIVISION
Wichita, Kansas



TICKET CONTINUATION

COPY

13

TICKET No. *6-21-93*

FORM 1911 R-8

CUSTOMER		WELL		DATE	PAGE								
Harris Oil & Gas		R & L Farms 1-28		12-1-93	2								
PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			TIME	DESCRIPTION	QTY.		U/M	QTY.	U/M	UNIT PRICE	AMOUNT
		LOC	ACCT	DF									
504-043	516.00272					Premium Cement	150	sk			8.85	1,342.50	
507-775	516.00144					Halad-322 B/ .6% W/ 150	85	lb			6.90	586.50	
508-002	70.15302					Potassium Chloride B/ 5% W/ 150	250	lb			.27	67.50	
<p>ORIGINAL</p> <p>KUC</p> <p>FEB 9</p> <p>CONFIDENTIAL</p> <p>RELEASED</p> <p>MAY 24 1995</p> <p>FROM CONFIDENTIAL</p>													
500-207						SERVICE CHARGE	CUBIC FEET		150		1.35	202.50	
500-306						MILEAGE CHARGE	TOTAL WEIGHT	LOADED MILES	TON MILES				
							14,435	17	122.698		.95	116.56	

CONTINUATION TOTAL 2312.56

STATE COMMISSION
 DIVISION OF REGULATION
 MAY 24 1995



HALLIBURTON ENERGY SERVICES

FORM 1906 R-13

CHARGE TO:
 ADDRESS: *H... ..*
 CITY, STATE, ZIP CODE:

COPY
 TICKET No. 648041 - 9
 PAGE 1 OF 2

SERVICE LOCATIONS 1. 025510	WELL/PROJECT NO. 1-28	LEASE <i>R... ..</i>	COUNTY/PARISH <i>...</i>	STATE <i>...</i>	CITY/OFFSHORE LOCATION	DATE <i>1-93</i>	OWNER <i>...</i>
2. 025515	TICKET TYPE <input checked="" type="checkbox"/> SERVICE <input type="checkbox"/> SALES	NITROGEN JOB? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	CONTRACTOR <i>...</i>	RIG NAME/NO. <i>...</i>	SHIPPED VIA <i>...</i>	DELIVERED TO <i>...</i>	ORDER NO.
3.	WELL TYPE	WELL CATEGORY <i>01</i>	JOB PURPOSE <i>035</i>	WELL PERMIT NO.	WELL LOCATION	RECEIVED NO. 101 MAY 15 1994 MISSISSIPPI DIVISION SASSYK, RICHMOND	
4. REFERRAL LOCATION	INVOICE INSTRUCTIONS						

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.	U/M	QTY.	U/M	UNIT PRICE	AMOUNT
		LOC	ACCT	DF							
000-117					MILEAGE	1	MI	160	MI	2.75	440.00
001-016					Pump Charge	10	HR	2103	HR		1850.00
020-016					5-WATER TREATMENT	5 1/2	TON	1	EA		60.00
218-238					CIRY TREAT	1	TON	16	EA	24.00	384.00
213-004					MAN CHARGE	1	TON	420	EA	65.00	273.00

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LEGAL TERMS: Customer hereby acknowledges and agrees to the terms and conditions on the reverse side hereof which include, but are not limited to, **PAYMENT, RELEASE, INDEMNITY, and LIMITED WARRANTY** provisions.

CUSTOMER OR CUSTOMER'S AGENT SIGNATURE
 X *E. E. Detmer*
 DATE SIGNED: _____ TIME SIGNED: _____

SUB SURFACE SAFETY VALVE WAS:
 PULLED & RETURN PULLED RUN

TYPE LOCK	DEPTH	OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?	AGREE	UN-DECIDED	DIS-AGREE	PAGE TOTAL 3,007.00 FROM CONTINUATION PAGE(S) 2,315.36
BEAN SIZE	SPACERS	WE UNDERSTOOD AND MET YOUR NEEDS?	<input checked="" type="checkbox"/>			
TYPE OF EQUALIZING SUB.	CASING PRESSURE	OUR SERVICE WAS PERFORMED WITHOUT DELAY?	<input checked="" type="checkbox"/>			
TUBING SIZE	TUBING PRESSURE	WELL DEPTH	WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?	<input checked="" type="checkbox"/>		SUB-TOTAL 5,322.36 APPLICABLE TAXES WILL BE ADDED ON INVOICE
TREE CONNECTION	TYPE VALVE	ARE YOU SATISFIED WITH OUR SERVICE?	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO			

CUSTOMER DID NOT WISH TO RESPOND

CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES The customer hereby acknowledges receipt of the materials and services listed on this ticket.

CUSTOMER OR CUSTOMER'S AGENT (PLEASE PRINT) <i>E. E. DETMER</i>	CUSTOMER OR CUSTOMER'S AGENT SIGNATURE X <i>E. E. Detmer</i>	HALLIBURTON OPERATOR/ENGINEER <i>R. Edwards</i>	EMP # <i>09200</i>	HALLIBURTON APPROVAL
--	---	--	-----------------------	----------------------