

RELEASED ORIGINAL

KCC

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

SEP 09 1991

API NO. 15- 067 21,162-0000 AUG 26  
County Grant CONFIDENTIAL  
S/2 N/2 SE Sec. 31 Twp. 29S Rge. 38W East West

Operator: License # 9951

Name: Harris Oil & Gas Company

Address 410 17th Street  
Suite 2310

City/State/Zip Denver, CO 80202

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

Operator Contact Person: Bud Harris

Phone (303) 623-3336

Contractor: Name: Murfin Drilling Company, Inc.

License: 30606

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

Designate Type of Completion

New Well  Re-Entry  Workover

Oil  SWD  Temp. Abd.

Gas  Inj  Delayed Comp.

Dry  Other (Core, Water Supply, etc.)

If O.W.O.: old well info as follows:

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

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

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

Drilling Method:

Mud Rotary  Air Rotary  Cable

07-15-91 07-29-91 07-30-91  
Spud Date Date Reached TD Completion Date

1690 Ft. North from Southeast Corner of Section

1370 Ft. West from Southeast Corner of Section

(NOTE: Locate well in section plat below.)

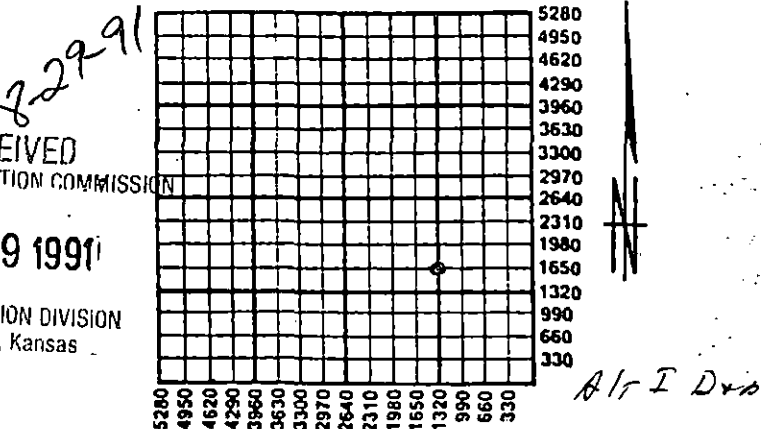
Lease Name Johnson Well # 2-31

Field Name SW Ulysis

Producing Formation NA

Elevation: Ground 3137 KB 3148

Total Depth 5850 PBTD \_\_\_\_\_



Amount of Surface Pipe Set and Cemented at 1775 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.

INSTRUCTIONS: This form shall be completed in triplicate and filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 120 days of the spud date of any well. Rule 82-3-130, 82-3-107 and 82-3-106 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 drillers time log 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. Any recompletion, workover or conversion of a well requires filing of ACO-2 within 120 days from commencement date of such work.

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 III

Title President Date 8/26/91

Subscribed and sworn to before me this 26th day of August, 19 91.

Notary Public John A. Pool

Date Commission Expires 03/28/94

K.C.C. OFFICE USE ONLY

F  Letter of Confidentiality Attached

C  Wireline Log Received

C  Drillers Timelog Received

Distribution

KCC  SWD/Rep  NGPA

KGS  Plug  Other (Specify)

PI

SIDE TWO

Operator Name Harris Oil & Gas Company

Lease Name Johnson

Well # 2-31

Sec. 31 Twp. 29S Rge. 38W

East  
 West

County Grant

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.

<p>Drill Stem Tests Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (Attach Additional Sheets.)</p> <p>Samples Sent to Geological Survey <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>Electric Log Run <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (Submit Copy.)</p>	<p style="text-align: center;"><b>Formation Description</b></p> <p><input checked="" type="checkbox"/> Log <input type="checkbox"/> Sample</p> <table style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Name</th> <th style="text-align: left;">Top</th> <th style="text-align: left;">Bottom</th> </tr> </thead> <tbody> <tr><td>Heebner</td><td>3832</td><td></td></tr> <tr><td>Lansing</td><td>3930</td><td></td></tr> <tr><td>Marmaton</td><td>4527</td><td></td></tr> <tr><td>Cherokee</td><td>4985</td><td></td></tr> <tr><td>Atoka</td><td>5072</td><td></td></tr> <tr><td>Morrow</td><td>5196</td><td></td></tr> <tr><td>Chester</td><td>5540</td><td></td></tr> <tr><td>ST. Gen</td><td>5666</td><td></td></tr> <tr><td>ST. Louis Porosity</td><td>5718</td><td></td></tr> </tbody> </table>	Name	Top	Bottom	Heebner	3832		Lansing	3930		Marmaton	4527		Cherokee	4985		Atoka	5072		Morrow	5196		Chester	5540		ST. Gen	5666		ST. Louis Porosity	5718	
Name	Top	Bottom																													
Heebner	3832																														
Lansing	3930																														
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Cherokee	4985																														
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Morrow	5196																														
Chester	5540																														
ST. Gen	5666																														
ST. Louis Porosity	5718																														

<p><b>CASING RECORD</b> <input type="checkbox"/> New <input type="checkbox"/> Used</p> <p>Report all strings set-conductor, surface, intermediate, production, etc.</p>							
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"		1775'	35/65 Poz Common	550 150	2% cc
<b>PERFORATION RECORD</b>				<b>Acid, Fracture, Shot, Cement Squeeze Record</b>			
Shots Per Foot	Specify Footage of Each Interval Perforated			(Amount and Kind of Material Used)			Depth
<b>TUBING RECORD</b>				Liner Run <input type="checkbox"/> Yes <input type="checkbox"/> No			
Size	Set At	Packer At					
Date of First Production	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	Gravity		

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

**METHOD OF COMPLETION**

Open Hole  Perforation  Dually Completed  Conningled

Other (Specify) P & A

Production Interval



DOWELL SCHLUMBERGER INCORPORATED KCC

ORIGINAL

# INVOICE

## ORIGINAL

REMIT TO:

AUG 26  
P O BOX 890788  
DALLAS TX 75389-0788

0312

910343  
HARRIS OIL & GAS  
SUITE 2990  
1775 SHERMAN ST  
DENVER

CO 80293

RELEASED  
SEP 09 1992  
FROM CONFIDENTIAL

INVOICE DATE
07/29/91
PAGE 1
INVOICE NUMBER 03-12-3929
TYPE SERVICE
CEMENTING PLUG TO ABANDON

WELL NAME / JOB SITE	STATE	COUNTY / CITY	SERVICE FROM LOCATION	SHIPPED VIA	CUSTOMER P.O. NO./REF.
JOHNSON 2-31	KS	GRANT	ULYSSES	DS	
LOCATION / PLANT ADDRESS	DATE OF SERVICE ORDER	CUSTOMER OR AUTHORIZED REPRESENTATIVE			
SEC	07/29/91	TOM			

ITEM CODE	DESCRIPTION	UOM	QTY	UNIT PRICE	AMOUNT
102871030	C.SNG CHNT 2501-3000' 1ST 8HR	8HR	1	1,110.0000	1,110.00
049102000	TRANSPORTATION CHNT TON MILF	MT	182	.8000	145.60
049100000	SERVICE CHG CEMENT MATL LAND	CFT	255	1.1500	293.25
059697000	PACK TREAT ANALYSIS RECORDER	JOB	1	125.0000	125.00
059200002	MILEAGE, ALL OTHER EQUIPMENT	MT	17	2.6500	45.05
040015000	D909, CEMENT CLASS H	CFT	141	7.2500	1,022.25
045008000	D35, LITEPOZ 3 EXTENDER	CFT	94	3.5000	329.00
045014050	D20, BENTONITE EXTENDER	LBS	1214	.1600	194.24
048601000	CEMENT HEAD RENTAL	JOB	1	.0000	N/C
	DISCOUNT - MATERIAL				293.65-
	DISCOUNT - SERVICE				326.59-
				SUB TOTAL --	2,644.15
M C	STATE TAX ON			1,251.84	53.21
M F C	LOCAL TAX ON			1,251.84	12.52
				AMOUNT DUE --	2,709.88

*PEA*  
*120-10-20*  
*WGS*

RECEIVED  
STATE CORPORATION COMMISSION

AUG 29 1991

CONSERVATION DIVISION  
Wichita, Kansas

WITH QUESTIONS CALL 316-356-1272  
FEDERAL TAX ID # 38-239-7173  
TERMS -- NET 30 DAYS DUE ON OR BEFORE AUG 28, 1991

THANK YOU, WE APPRECIATE YOUR BUSINESS.

*R A Adams*  
R A ADAMTAY

**DOWELL SCHLUMBERGER INCORPORATED**  
 P.O. BOX 4378 HOUSTON, TEXAS 77210

SPECIAL HANDLING DISTRICT 1-30

ORIGINAL

FIELD SERVICES INDUSTRIAL SERVICES

DSI SERVICE ORDER RECEIPT AND INVOICE NO. **3709**  
 DSI SERVICE LOCATION NAME AND NUMBER **GLASSES KS 0310**  
 CUSTOMER NUMBER **910343** CUSTOMER P.O. NUMBER **744000**  
 TYPE SERVICE CODE **P+A** BUSINESS CODES

CUSTOMER'S NAME **Accis Oil & Gas** WORKOVER NEW WELL  WORK OVER  AP/ OR IC NUMBER

ADDRESS **11000 9th St** ARRIVE LOCATION **7-29-91** TIME **2:30**

DSI will furnish and Customer shall purchase materials and services required in the performance of the following SERVICE INSTRUCTIONS of DSI INDUSTRIAL SERVICE CONTRACT NO. **11000 9th St** in accordance with the terms and conditions as printed on the reverse side of this form.

SERVICE ORDER RECEIPT I certify that the materials and services listed were authorized and received and all services performed in a workmanlike manner and that I have the authority to accept and execute this document.

STATE **KANSAS** COUNTY / PARISH **Grant** CITY **Grant**  
 WELL NAME AND NUMBER / JOB SITE **Johnson 2-31** LOCATION AND POOL / PLANT ADDRESS **Hugoton** SHIPPED VIA **CRJ**

ITEM/PRICE REF NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT
102871-030	Dump Trk Chg	CA	1	1110.00	1110.00
49102-00	Delivery Chg	107 Tm	182	.80	145.60
49100-00	Service Chg	252	1	1.15	093.25
59697-00	JACK	EA	1	125.00	125.00
59200-002	Milage	12	1	2.65	45.05
40015-00	Classif cont	117	1	9.25	1032.25
45008-000	Lile 202-3	94	1	3.50	329.00
45014-050	Dao Bell	122	1	15.60	194.00
48601-00	Cont Head				N/C

ORDER RECEIVED

RECEIVED STATE CORPORATION COMMISSION AUG 16 1991

REMARKS: **Thank you for using Dowell Schlumberger**

LICENSE/REIMBURSEMENT FEE **324.39** SUB.TOTAL **2644.45**

STATE **KANSAS** COUNTY **Grant** CITY **Grant** SIGNATURE OF DSI REPRESENTATIVE **Michael Black** TOTAL \$ **2709.84**

1990

CEMENTING SERVICE REPORT

DS-406 PRINTED IN U.S.A.

DOWELL SCHLUMBERGER INCORPORATED

TREATMENT NUMBER: 0312-3929 DATE: 7/20/91  
 STAGE: DS: DISTRICT: OLUSSES KS

WELL NAME AND NO. **Johanson 2-31** LOCATION (LEGAL) **KCO**  
 FIELD **Hugoton** FORMATION **T+A** **AUG 20**  
 COUNTY/PARISH **Grant** STATE **KANSAS** APL NO. **CONFIDENTIAL**  
 NAME **Harris oil + Gas** **RELEASED**  
 AND **SEP 09 1992**  
 ADDRESS **ZIP FROM CONFIDENTIAL**

RIG NAME: **Murfin 22**

WELL DATA:		BOTTOM:	TOP:
BIT SIZE	CSG/Liner Size		
TOTAL DEPTH	WEIGHT		
<input type="checkbox"/> ROT <input type="checkbox"/> CABLE	FOOTAGE		
MUD TYPE	GRADE		
<input type="checkbox"/> BHST <input type="checkbox"/> BHCT	THREAD		
MUD DENSITY	LESS FOOTAGE SHOE JOINT(S)		TOT
MUD VISC.	Disp. Capacity		

NOTE: Include Footage From Ground Level To Head In Disp. Capacity

SPECIAL INSTRUCTIONS  
**Provide materials + services**  
**To Sally T+A Note**

SHOE	TYPE	DEPTH	TYPE	DEPTH

Head & Plugs  TBG  D.P.  SQUEEZE JOB

Double SIZE **4 1/2** TOOL TYPE

Single  WEIGHT **112.60** DEPTH

Swage  GRADE TAIL PIPE: SIZE DEPTH

Knockoff  THREAD TUBING VOLUME

TOP  OR  NEW  USED CASING VOL. BELOW TOOL

BOT  OR  DEPTH **2850** TOTAL

ANNUAL VOLUME

IS CASING/TUBING SECURED?  YES  NO

LIFT PRESSURE **1980** PSI CASING WEIGHT + SURFACE AREA (3.14 x R<sup>2</sup>)

PRESSURE LIMIT **300** PSI BUMP PLUG TO PSI

ROTATE  RPM  RECIPROCATE  FT No. of Centralizers

TIME: 0001 to 2400 PRESSURE: TBG OR D.P. CASING VOLUME PUMPED BBL: INCREMENT CUM

JOB SCHEDULED FOR TIME: **2230** DATE: **7/29/91** ARRIVE ON LOCATION TIME: **2230** DATE: **7/29/91** LEFT LOCATION TIME: **0400** DATE: **9/20/91**

TIME	PRESSURE	TBG OR D.P.	CASING	VOLUME PUMPED BBL	INCREMENT	CUM	INJECT RATE	FLUID TYPE	FLUID DENSITY	SERVICE LOG DETAIL
23:46	150	150	20	-	5.0	160	8.33			PRE-JOB SAFETY MEETING
23:53	270		30	-	5.0	190	13.6			1 <sup>st</sup> plug 2850' H <sub>2</sub> O ahead Cmt slurr 100 SK
23:59	50		38	-	5.0	160	8.33			Displace
00:52	50		15	-	5.0	160	8.33			H <sub>2</sub> O ahead
00:57	160		15	-	5.0	190	13.6			2 <sup>nd</sup> plug 1990' Cmt slurr 50 SK
01:00	30		22	-	5.0	160	8.33			Displace
01:43	160		15	-	5.0	160	8.33			H <sub>2</sub> O ahead
01:49	100		15	-	5.0	190	13.6			3 <sup>rd</sup> plug 1000' Cmt slurr 50 SK
01:52	10		10	-	5.0	160	8.33			Displace
02:44	30		1	-	2.3	160	8.33			H <sub>2</sub> O ahead
02:45	30		3	-	2.1	190	13.6			4 <sup>th</sup> plug 40' Cmt slurr 10 SK
02:46	10		1	-	2.1	160	8.33			Displace
			4.5	-	2	190	13.6			Rat Hole - 15 SK
			3	-	2	190	13.6			max Hole - 10 SK

REMARKS

RECEIVED

SYSTEM CODE	NO. OF SACKS	YIELD CU. FT/SK	COMPOSITION OF CEMENTING SYSTEM		STATE CORPORATION COMMISSION	SLURRY MIXED		
			BBLs	DENSITY		BBLs	DENSITY	
1.	235	1.69	40/60	70/100 H + 6% Q20			70.7	13.6
2.								
3.								
4.								
5.								
6.								

AUG 16 1991

BREAKDOWN FLUID TYPE:  HESITATION SQ.  RUNNING SQ.  CIRCULATION LOST

DENSITY:  YES  NO

PRESSURE: MAX. **270** MIN: **0**

Cement Circulated To Surf.  YES  NO

BREAKDOWN: PSI FINAL PSI DISPLACEMENT VOL. Bbls

Washed Thru Perfs  YES  NO TO FT. MEASURED DISPLACEMENT

PERFORATIONS: TO TO TO TO

CUSTOMER REPRESENTATIVE: **TCM**

DS SUPERVISOR: **Greg Elrick**



ORIGINAL

# PACRLog

KCC

RELEASED

AUG 2 6

SEP 0 9 1992

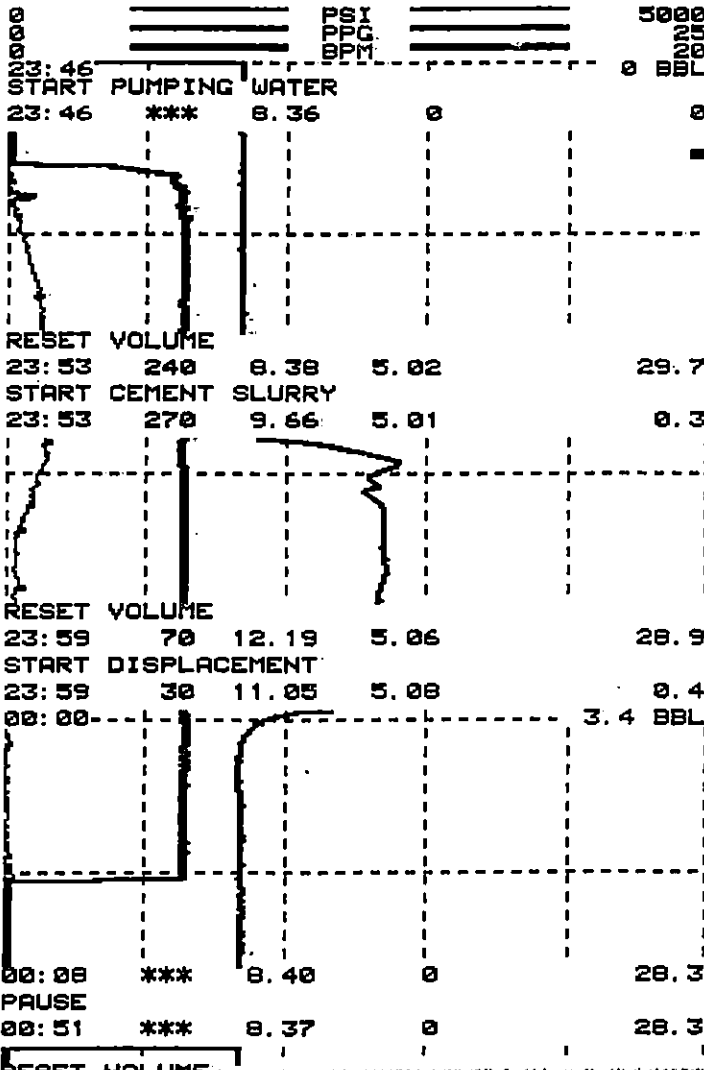
CONFIDENTIAL

FROM CONFIDENTIAL

-----  
 Company \_\_\_\_\_  
 Well \_\_\_\_\_ Field \_\_\_\_\_  
 District \_\_\_\_\_ SIR \_\_\_\_\_  
 Type Service \_\_\_\_\_  
 Engineer \_\_\_\_\_  
 Date/Time Start Job \_\_\_\_\_  
 Remarks \_\_\_\_\_  
 -----

-----  
 Curve 1 : Unit 1 Pressure  
 Curve 2 : Unit 1 Density  
 Curve 3 : Unit 1 Total Flow rate  
 Curve 4 : Disabled  
 -----

Volume is computed from :  
 Unit 1 Total Flow rate  
 Scan Period (Sec) : 4  
 Real Time : Recording Rate is 4 seconds.  
 -----



RECEIVED  
 STATE CORPORATION COMMISSION

AUG 16 1991

CONSERVATION DIVISION  
 Wichita, Kansas

ORIGINAL

KGO

AUG 2 6  
RELEASED  
CONFIDENTIAL  
SEP 0 9 1992

FROM CONFIDENTIAL

Time	Event	Volume	Pressure	Flow	Rate
00:52	RESET VOLUME	***	8.35	0	28.3
00:56	RESET VOLUME	160	8.31	4.91	22.4
00:57	START CEMENT SLURRY	150	8.77	4.92	8.4
01:00	RESET VOLUME	10	12.18	4.93	15.0
01:00	START DISPLACEMENT	30	11.17	4.94	8.4
01:03	RESET VOLUME	***	8.39	3.05	16.1
01:43	RESET VOLUME	***	8.31	0	16.1
01:43	START PUMPING WATER	***	8.32	0	16.1
01:43	RESET VOLUME	***	8.36	0	0
01:45					3.5 BBL
01:48	RESET VOLUME	50	8.29	5.02	21.3
01:49	RESET VOLUME	60	9.08	5.02	8.8
01:49	START CEMENT SLURRY	90	10.82	4.99	1.2
01:52	RESET VOLUME	80	13.37	4.97	14.8
01:52	START DISPLACEMENT	70	13.14	4.98	8.4
02:44	RESET VOLUME	***	8.44	0	6.1
02:44	START CEMENT SLURRY	***	8.47	0	6.1
02:44	RESET VOLUME	***	8.51	0	0
02:45					0 BBL
02:47	RESET VOLUME	***	13.08	2.77	3.2
02:47	START DISPLACEMENT	***	12.81	2.77	8.3
02:51	RESET VOLUME	***	10.86	0	1.1

END JOB

CEMENT MODE

REAL-TIME MODE - OIL UNITS

RECEIVED  
STATE CORPORATION COMMISSION

AUG 16 1991

CONSERVATION DIVISION  
Wichita, Kansas

ON FIELD SERVICES   
 INDUSTRIAL SERVICES

DSI SERVICE ORDER RECEIPT AND INVOICE NO. **3906**

DSI SERVICE LOCATION NAME AND NUMBER: **0114 DAVIS**  
 CUSTOMER NUMBER: **224804** CUSTOMER P.O. NUMBER: **910313**  
 SERVICE CODE: **271** BUSINESS CODES:

CUSTOMER'S NAME: **Harcos Oil & Gas**

WORKOVER NEW WELL  OTHER  ARI OR IC NUMBER:

ADDRESS: **RELEASED**  
 CITY, STATE AND ZIP CODE:

ARRIVE LOCATION: **7-17-91 0530**

CONTRACT NO. **RELEASED**  
 DSI will furnish and Customer shall purchase materials and services required in the performance of the following SERVICE INSTRUCTIONS or DSI INDUSTRIAL SERVICE printed on the reverse side of this form.

**SERVICE ORDER RECEIPT**  
 I certify that the materials and services listed were authorized and received and all services performed in a workmanlike manner and that I have the authority to accept and execute this document.

STATE: **Kansas** COUNTY/PARISH: **Grant** CITY:

JOB COMPLETION: **7-17-91 1455**

WELL NAME AND NUMBER / JOB SITE: **Johnson #2**

SIGNATURE OF CUSTOMER OR AUTHORIZED REPRESENTATIVE: **Neil K. ...**

LOCATION AND POOL / PLANT ADDRESS: **Nugotat**

SHIPPED VIA: **Q.S.**

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT
102871-020	Dump Trk chg	EA	1	1000.00	1000.00
49102-000	Delivery Chg	35.5 CATM	4 568	.80	454.40
49106-000	Service Chg	F3	829	1.15	953.35
39697-000	DACC	EA	1	125.00	125.00
59200-002	Milage	mi	1.6	2.65	42.40
040003-000	Class C- Cont	P3	540	7.75	4185.00
045003-000	2.1222 JIF	F3	4 210	3.50	735.00
045014-050	020 Bell	1554	3132	1.6	501.12
067005-100	SI Calc	125	1326	.34	450.84
044003-025	029 Cellulose	1554	188	1.45	272.4
050101-085	8 1/2 Cm1 Grade Shoe	EA	1	235.00	235.00
053003-085	8 7/8 Avicell Insert	EA	1	320.00	320.00
056011-085	8 7/8 Centralizer	EA	3	72.00	216.00
056704-085	8 7/8 Tap Rubber Plug	EA	1	150.00	150.00

REMARKS: **Thank you for using Dowell Schlumberger**

STATE: **KANSAS** COUNTY: **Grant** CITY: **...**  
 SIGNATURE OF DSI REPRESENTATIVE: **Greg Black**  
 SUB-TOTAL: **9639.26** TAX: **4389.64** TOTAL: **14028.90**



CEMENTING SERVICE REPORT

ORIGINAL

DOWELL SCHLUMBERGER INCORPORATED

TREATMENT NUMBER: 8310 2906 DATE: 7/16/91  
 STAGE: DS DISTRICT: Ulysses KS

DS-496 PRINTED IN U.S.A.

WELL NAME AND NO.: Johnson # 2-31  
 LOCATION (LEGAL): Section 31-29-38  
 FIELD-POOL: Hugoken  
 FORMATION: surface 200  
 COUNTY/PARISH: Grant  
 STATE: Kansas, No. 26  
 API NO.: 6  
 NAME: Harris oil + Gas  
 AND: RELEASED  
 ADDRESS: SEP 09 1992  
 ZIP CODE: 66509

RIG NAME: murfun  
 WELL DATA: BIT SIZE 12 1/4 CSG/Liner Size 8 7/8  
 TOTAL DEPTH: 24 WEIGHT: 1975  
 MUD TYPE: GRADE: 8 1/2  
 MUD DENSITY: 43 LESS FOOTAGE SHOE JOINT(S)  
 MUD VISC: Disp. Capacity 1932 110.3

SPECIAL INSTRUCTIONS: Provide materials + services FROM CONFIDENTIAL TO SALES  
 Cmt 2 7/8 surface casing

Float	TYPE	DEPTH	Stage Tool	TYPE	DEPTH
	Mud bit float				
	Cmt nose				

IS CASING/TUBING SECURED?  YES  NO  
 LIFT PRESSURE: 930 PSI CASING WEIGHT + SURFACE AREA (3.14 x R<sup>2</sup>)  
 PRESSURE LIMIT: 500 PSI BUMP PLUG TO: 830 PSI  
 ROTATE: RPM RECIPROCATATE FT No. of Centralizers 3

Head & Plugs:  Double  Single  Swage  Knockoff  
 TBG  D.P. SQUEEZE JOB  
 Double  Single  Swage  Knockoff  
 NEW  USED  
 BOT  TOP

JOB SCHEDULED FOR TIME: 0600 DATE: 7/17/91  
 ARRIVE ON LOCATION TIME: 0520 DATE: 7/17/91  
 LEFT LOCATION TIME: 14:30 DATE: 7/17/91

TIME	PRESSURE		VOLUME PUMPED BBL		INJECT RATE	FLUID TYPE	FLUID DENSITY	SERVICE LOG DETAIL
	TBG OR D.P.	CASING	INCREMENT	CUM				
13:16	200	NA	1	-	1.1	160	8.33	PRE-JOB SAFETY MEETING 2pi Test done
13:17		20	10	-	6.5	160	8.33	H <sub>2</sub> O ahead
13:19		10	224	-	6.8	Cmt	12.2	Start 2nd cmt
13:20	NA	20	35	-	4.8	Cmt	11.8	Start Tail cmt
13:56		0	0	-	0	-	-	shut down pumping
13:58		30	1102	-	6.2	160	8.33	Start Disinfecting
14:17		210	100	-	2.1	160	8.33	Lower pump et.
14:20		830	110	-	1.9	160	8.33	Bump plug
14:20		0	0	-	0	160	8.33	Release 2pi
14:20								500' wire

RECEIVED  
 STATE CORPORATION COMMISSION  
 AUG 16 1991  
 CONSERVATION DIVISION  
 Wichita, Kansas

REMARKS:

SYSTEM CODE	NO. OF SACKS	YIELD CU. FT/SK	COMPOSITION OF CEMENTING SYSTEMS			SLURRY MIXED		
			1	2	3	BBLs	DENSITY	
1.	600	2.1	34% 70	64% 200	2% 21	1/4" 15K 229	224.4	12.2
2.	100	1.32	CIA 200	2% 21	1/4" 15K 229		35.3	14.8

BREAKDOWN FLUID TYPE:  HESITATION SQ.  RUNNING SQ. CIRCULATION LOST:  YES  NO  
 PRESSURE: MAX. 830 MIN. 0  
 Cement Circulated To Surf.  YES  NO 10 Bbls  
 DISPLACEMENT VOL. 110.3 Bbls  
 MEASURED DISPLACEMENT:  WIRELINE  
 TYPE OF WELL:  OIL  GAS  STORAGE  INJECTION  BRINE WATER  WILDCAT  
 CUSTOMER REPRESENTATIVE: H. H. Pauli  
 SUPERVISOR: Greg Black

# ORIGINAL PACR PLOT

KCC

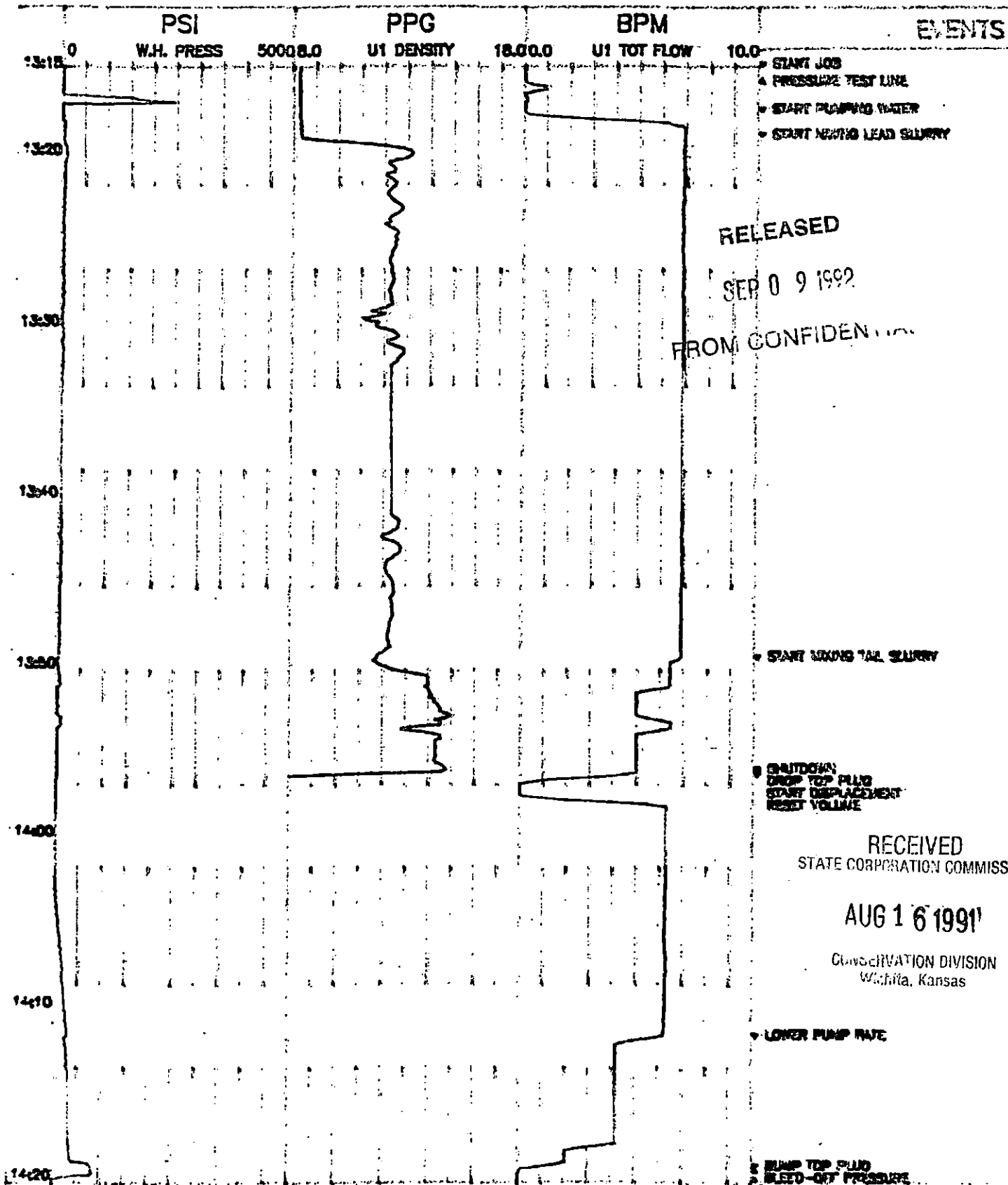
AUG 26



HARRIS OIL & GAS  
JOHNSON 2-31  
LURFIN  
HUGOTON

UKS 03-12  
271  
03-12-3908  
07-17-91

CONFIDENTIAL



RELEASED

SEP 09 1992

FROM CONFIDENTIAL

RECEIVED  
STATE CORPORATION COMMISSION

AUG 16 1991

CONSERVATION DIVISION  
Wichita, Kansas

ORIGINAL



# PACRLog

KCC  
AUG 26  
CONFIDENTIAL

Company Harcos Oil + Gas  
 Well Simon #2-31 Field Hugoton  
 District 212 SIR  
 Type Service 271  
 Engineer G. Black  
 Date/Time Start Job  
 Remarks 13:15 7/27/91

RELEASED

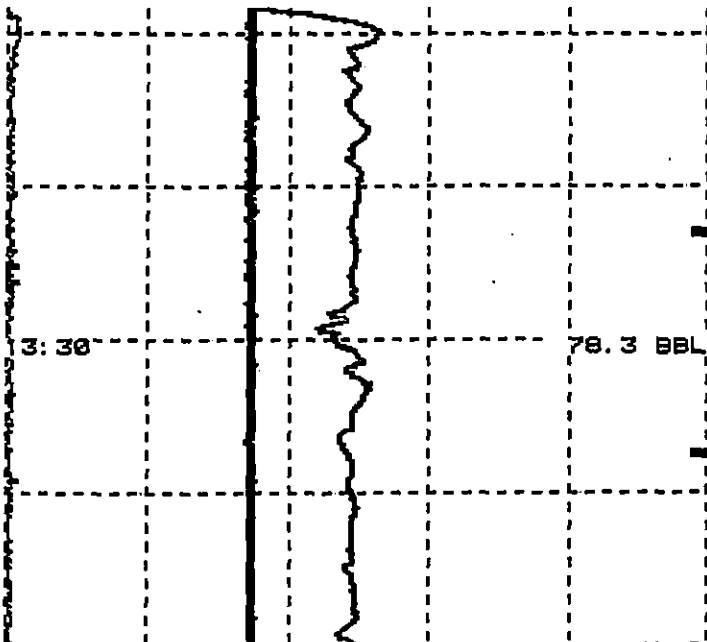
SEP 09 1992

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Curve 1 : Unit 1 Pressure  
 Curve 2 : Unit 1 Density  
 Curve 3 : Unit 1 Total Flow rate  
 Curve 4 : Disabled

Volume is computed from :  
 Unit 1 Total Flow rate  
 Scan Period (Sec) : 4  
 Real Time : Recording Rate is 4 seconds

	PSI	PPG	BPM	BBL
13:15				0
PRESSURE TEST LINES				
13:16	***	8.26	1.49	0.2
START PUMPING WATER				
13:17	***	8.27	0.77	0.4
RESET VOLUME				
13:19	0	8.62	6.89	9.0
START MIXING LEAD SLURRY				
13:19	10	9.21	6.86	0.4



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AUG 16 1991

STATE CORPORATION COMMISSION

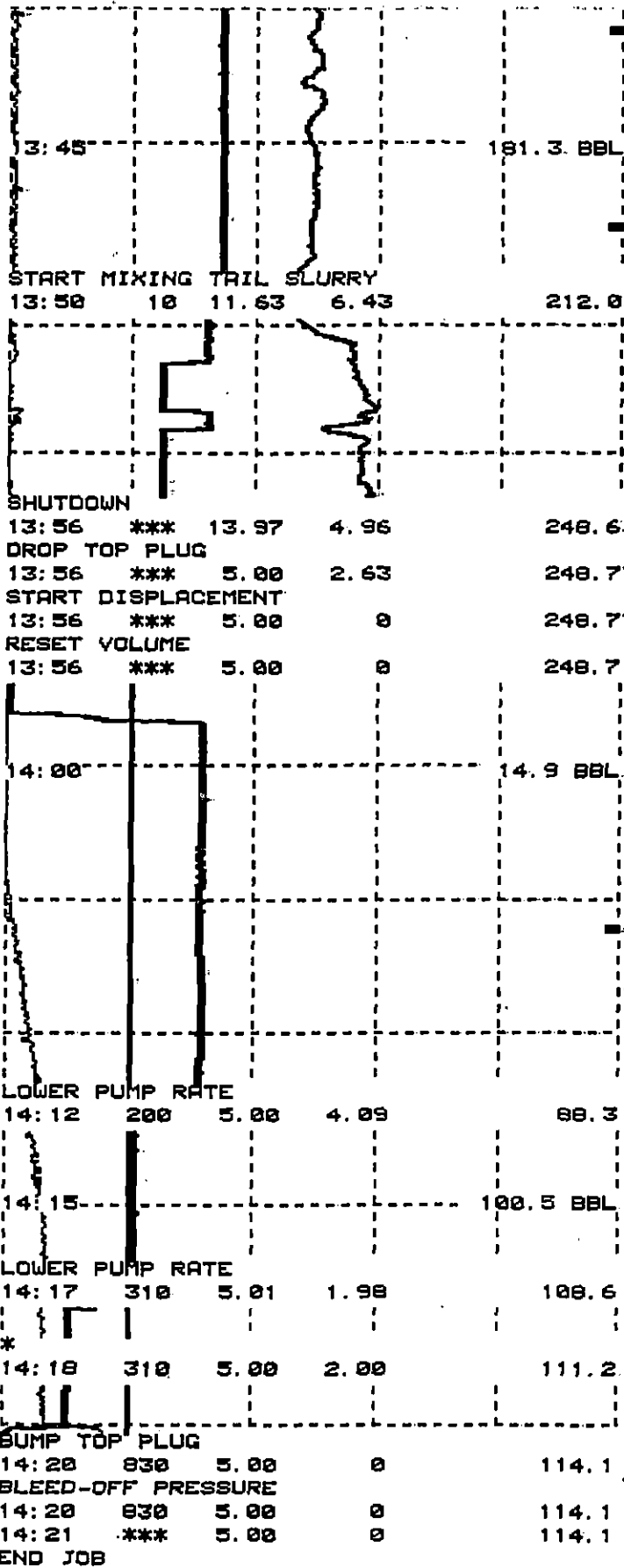
STATE CORPORATION COMMISSION

ORIGINAL

KCC

AUG 26

CONFIDENTIAL



RELEASED

SEP 09 1992

FROM CONFIDENTIAL

39

22

61

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AUG 16 1991

CEMENT MODE.

REAL-TIME MODE - OIL UNITS