

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

Operator: License # 3852  
Name Crown American Petroleum, Inc.  
Address 7825 Fay Avenue, Suite 340  
City/State/Zip La Jolla, CA 92037

Purchaser Clear Creek, Inc.

Operator Contact Person Bill Grant  
Phone (619)-456-3750

Contractor: License # 8241  
Name Emphasis Oil Operations

Wellsite Geologist Ron Mackey  
Phone (303)-573-6634

Designate Type of Completion  
 New Well  Re-Entry  Workover  
 Oil  SWD  Temp Abd  
 Gas  Inj  Delayed Completion  
 Dry  Other (Core, Water Supply, etc.)

If OWNO: old well info as follows:  
Operator  
Well Name  
Comp. Date Old Total Depth

WELL HISTORY

Drilling Method:  
 Mud Rotary  Air Rotary  Cable  
9/6/88 9/14/88 9-14-88  
Spud Date Date Reached TD Completion Date  
4100'  
Total Depth PBD

Amount of Surface Pipe Set and Cemented at 266 feet  
Multiple Stage Cementing Collar Used? Yes  No  
If yes, show depth set \_\_\_\_\_ feet  
If alternate 2 completion, cement circulated from 4050 feet depth to \_\_\_\_\_ w/ 6.5 cmt  
Cement Company Name Hallbergson  
Invoice # 620413  
12-27-88

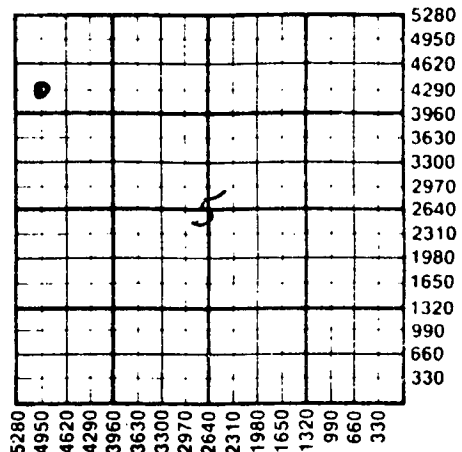
API NO. 15-065-22-486-0000  
County Graham  
SW NW NW Sec 5 Twp 9S Rge 25 East West

4290 Ft North from Southeast Corner of Section  
4950 Ft West from Southeast Corner of Section  
(Note: Locate well in section plat below)

Lease Name Johnson Well # 1  
Field Name KNOLL NW  
Producing Formation Lansing/Kansas City

Elevation: Ground 2535' KB 2540'

Section Plat



WATER SUPPLY INFORMATION

Disposition of Produced Water: Disposal  
Docket # Repressuring

Questions on this portion of the ACO-1 call:  
Water Resources Board (913) 296-3717

Source of Water:  
Division of Water Resources Permit #  
Groundwater \_\_\_\_\_ Ft North from Southeast Corner (Well) \_\_\_\_\_ Ft West from Southeast Corner Sec Twp Rge East West  
 Surface Water 700 Ft North from Southeast Corner (Stream, pond etc) 1000 Ft West from Southeast Corner Sec 19 Twp 8S Rge 24 East West  
Other (explain) \_\_\_\_\_  
(purchased from city, R.W.D. #)

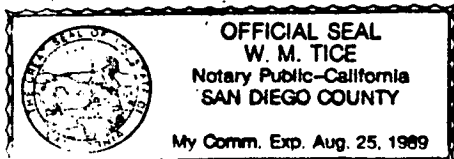
INSTRUCTIONS: This form shall be completed in triplicate and filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 120 days of the spud date of any well. Rule 82-3-130, 82-3-107 and 82-3-106 apply. Information on side two of this form will be held confidential 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. 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 William J. Grant  
Title President Date 10/18/88

Subscribed and sworn to before me this 14th day of October 1988  
Notary Public

Date Commission Expires 25, 1989



K.C.C. OFFICE USE ONLY  
 Letter of Confidentiality Attached  
 Wireline Log Received  
 Drillers Timelog Received  
Distribution  
 KCC  SWD/Rep  NGPA  
 KGS  Plug  Other  
(Specify)  
11-17-88 4

Sec. 5, Twp. 9, Rge. 25E

SIDE TWO

Operator Name Crown American Petroleum, Inc. Lease Name Johnson Well # 1

RELEASED

Sec 5 Twp 9S Rge 25  East  West County Graham

MAR 07 1990

WELL LOG

FROM CONFIDENTIAL

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	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	Formation Description <input checked="" type="checkbox"/> Log <input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
Cores Taken	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
1. 3814-43', 15-30-30-45, FP. 34-34, SIP. 1025-1027, no, HP. 2016-1981, 114°, Rec. 20' Mud w/ oil spc.			Name Anhydrite Topeka Heebner Toronto Lansing/KC
2. 3844-88, 20-40-60-60, FP. 77-177, SIP. 835-808, no, HP. 2039-1974, 118°, Rec. 63' Mdy W. w/ oil Scm., 242' sl. Mdy. W. w/ oil Scm.			Top 2248' 3576' 3785' 3806 3824'
3. 3897-3907, 20-40-45-60, FP. 27-88, SIP. 920-904 no, HP. 2074-2011, 117°, Rec. 1' oil, 9' SOCMW, 180' Mdy. W w/ oil spcs., Sampler, 120cc oil, 480 cc Mud, 1,800 cc Wtr.			Bottom 2280' 3785' 3790' 3824' 4056'
4. 3932-60, 15-30-45-60, FP. 165-751, SIP. 1061-1047, no, HP. 2109-2025, 124°, Rec. 60' gas, 2' oil, 58' OCMW 12% oil, 1,720' SOCW 2% oil. Sampler: 720 cc oil, 1,680 cc Wtr.			
5. 3984-4004, 20-40-75-90, FP. 56-79, SIP. 988-1027, no, HP. 2216-2179, 122°, Rec. 278' gas, 45' oil 36°, 115' MC oil 67% oil, c/n oil on tool, Sampler: gas @ 95 psi. 2,256 cc oil, 144 cc mud no wtr.			

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 7/8	8-5/8	20#	266'	60/40 PZ	160	3% CaCl <sub>2</sub> , 2% Gel
Production	7-7/8	4-1/2	10.5#	4060'	60/40 POX HDL	175 350	2% Gel, 10% Slit .75 CFR2 1/4 Flocele

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

4	3995-4001	A-300 gal 15% MCA, 3000 CRA 15% w/ .75 Sk. CLA & 50 Sk. CLA	3995-4001
4 spf	3996-4002	A-500 gal 15% NE, 500 15% NE	3996-4002
4 spf	3950-52	SZ 50 Sk. Std. CMT. 50 Bk. Std.	3996-4002/

TUBING RECORD Size Set At Packer at  
Liner Run  Yes  No 3950-52, \*\*\*

Date of First Production 11-7-88  
Producing Method  Flowing  Pumping  Gas Lift  Other (explain).....

Estimated Production Per 24 Hours	Oil	Gas	Water	Gas-Oil Ratio	Gravity
119 Bbls	0 MCF	Trace Bbls	CFPB	36° @ 60°	

METHOD OF COMPLETION

Production Interval

Disposition of gas:  Vented  Open Hole  Perforation (Hydrojet 3996-3999)  
 Sold  Other (Specify) .....  
 Used on Lease  Dually Completed .....  
 Commingled .....

\*\*\* Perf. Cont. Notch 3996-3999' Acid 500 15% NE, 1000 15% NE, 3500 15% NE

HALLIBURTON SERVICES  
JOB LOG

WELL NO. #1 LEASE AMERICAN based  
TICKET NO. 15-065-22486-0000 (630-112)  
CUSTOMER Crown Petroleum PAGE NO. 1  
JOB TYPE Cement pipe csg. DATE 9-11-88

FORM 2013 R-1

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	0910							On location w/ P.T.
	0950							Rig getting ready to run csg. St. 7 1/2" csg - Reg. guide shoe on bottom - Insert 4 Auto-fill in 12" collar. Cmt on collars 1, 2, 3, 4, 5, 6, 12, 18 Cement Bucket on St. 13 and 19
	1150							Csg on bottom - Drop ball 27 lbs Hook up to csg
	1200							Rig csg 4 work csg Rig pump chemical mud.
	1230							Fin csg. Hook to Hawco - equip
	1238	5	12			350		St. 500 gal mud flush
	1240	6 1/2	225			350		St. 350 lbs H.D.L. cmt. 1/4" 1st flow
	1314	5	40			200		St. 175 lbs 10% gel 20 gal gel
						200		10% gel, 25% CER-2
	1322					200		Fin cmt - wash out pump threads Release 5 cu Top Plug
	1324	7				150		St. Drop
	1333	4	59			800		slow rate last 8 Bbl and
						750		have cmt to surface
	1334		6 1/2			800		Plug down - Hold
	1336					0		Release pipe - Hold
	1338					1250		Release - Hold
	1340					0		Release - Hold
	1345							Job Complete Washup - (Pumping)

*THOMAS*

RECEIVED  
STATE CORPORATION COMMISSION

DEC 10 1988

CONSERVATION DIVISION  
Wichita, Kansas

CUSTOMER

**HALLIBURTON SERVICES**  
Duncan, Oklahoma 73109

TICKET NO. 620412

FORM 1908 R-11

WELL NO. - FARM OR LEASE NAME <b>1 Johnson</b>		COUNTY <b>Graham</b>	STATE <b>Ks.</b>	CITY / OFFSHORE LOCATION	DATE <b>9-17-88</b>
CHARGE TO <b>Crown Petroleum</b>		OWNER <b>SAMP</b>	TICKET TYPE (CHECK ONE) SERVICE <input checked="" type="checkbox"/> SALES <input type="checkbox"/>		NITROGEN JO YES <input type="checkbox"/> NO <input type="checkbox"/>
ADDRESS		CONTRACTOR <b>Emphasis Drilling Co.</b>	LOCATION <b>1 Ness City, Ks.</b>		CODE <b>50353</b>
CITY, STATE, ZIP		SHIPPED VIA <b>FEDEX</b>	FREIGHT CHARGES <input type="checkbox"/> PPD <input type="checkbox"/> COLLECT		LOCATION <b>2 Oberlin, Ks.</b>
WELL TYPE <b>01</b>	WELL CATEGORY <b>01</b>	WELL PERMIT NO.	DELIVERED TO <b>SW/Merland, Ks.</b>		LOCATION <b>3</b>
TYPE AND PURPOSE OF JOB <b>035</b>		<b>2B-782553</b>	ORDER NO.		REFERRAL LOCATION

As consideration, the above-named Customer agrees to pay Halliburton in accord with the rates and terms stated in Halliburton's current price lists. Invoices payable NET by the 20th of the following month after date of invoice. Upon Customer's default in payment of Customer's account by the last day of the month following the month in which the invoice is dated, Customer agrees to pay interest thereon after default at the highest lawful contract rate applicable, but never to exceed 18% per annum. In the event it becomes necessary to employ an attorney to enforce collection of said account, Customer agrees to pay all collection costs and attorney fees in the amount of 20% of the amount of the unpaid account. These terms and conditions shall be governed by the law of the state where services are performed or equipment or materials are furnished.

Halliburton warrants only title to the products, supplies and materials and that the same are free from defects in workmanship and materials. THERE ARE NO WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY FITNESS FOR A PARTICULAR PURPOSE OR OTHERWISE WHICH EXTEND BEYOND THOSE STATED IN THE IMMEDIATELY PRECEDING SENTENCE. Halliburton's liability and customer's exclusive remedy in any cause of action (whether in contract, tort, product liability, breach of warranty or otherwise) arising out of the sale or use of any products, supplies or materials is expressly limited to the replacement of such products, supplies or materials on their return to Halliburton or, at Halliburton's option, to the allowance to the customer of credit for the cost of such items. In no event shall Halliburton be liable for special, incidental, indirect punitive or consequential damages.

PRICE REFERENCE	SECONDARY REF OR PART NO.	L O C.	ACCOUNT	DESCRIPTION	UNITS 1		UNITS 2		UNIT PRICE	AMOUNT
					QTY	MEAS	QTY	MEAS		
000-117		1		MILEAGE 3580	60	mi			2.20	132.00
001-016		1		Pump Charge	7060	FT.				1156.00
030-016		1		SW Top Plug	1	ea			31.00	31.00
213-009		1		Mud Flush	500	gal			.45	225.00
12A	825.201	2		Rog Guide Shoe	1	ea		7 1/2 in		83.00
24A	815.17101	2		Insert Float Valve	1	ea		4 1/2 in		69.00
27	815.17111	2		Auto-Fill Assy	1	ea		4 1/2 in		27.50
70	807.93001	2		S-1 cont.	8	ea		4 1/2 in	41.00	328.00
65	807.6027	2		E2-Lok Clamp	1	ea		4 1/2 in		8.70
320	800.8881	2		Concrt Brkts	2	ea		4 1/2 in	85.00	170.00

NOT THIS IS AN INVOICE

RECEIVED  
STATE CORPORATION COMMISSION  
  
SEP 19 1988  
  
CONSERVATION DIVISION  
Wichita, Kansas

AS PER ATTACHED BULK MATERIAL DELIVERY TICKET NO. **2B-782553**

**7232.22**

WAS JOB SATISFACTORILY COMPLETED? \_\_\_\_\_

WAS OPERATION OF EQUIPMENT SATISFACTORY? \_\_\_\_\_

WAS PERFORMANCE OF PERSONNEL SATISFACTORY? \_\_\_\_\_

X *[Signature]*  
CUSTOMER OR HIS AGENT (PLEASE PRINT)

X \_\_\_\_\_  
CUSTOMER OR HIS AGENT (SIGNATURE)

WE CERTIFY THAT THE FAIR LABOR STANDARDS ACT OF 1938, AS AMENDED HAS BEEN COMPLIED WITH IN THE PRODUCTION OF GOODS AND OR WITH RESPECT TO SERVICES FURNISHED UNDER THIS CONTRACT.

*[Signature]*  
HALLIBURTON OPERATOR

\_\_\_\_\_  
HALLIBURTON APPROVAL

\_\_\_\_\_  
CUSTOMER

SUB TOTAL  
APPLICABLE TAXES & BE ADDED ON INVOICE

DISTRICT Hays, Ks.

DATE 9-14-88

TO: HALLIBURTON SERVICES YOU ARE HEREBY REQUESTED TO FURNISH EQUIPMENT AND SERVICEMEN TO DELIVER AND OPERATE THE SAME AS AN INDEPENDENT CONTRACTOR TO: Crown Petroleum (CUSTOMER) AND DELIVER AND SELL PRODUCTS, SUPPLIES, AND MATERIALS FOR THE PURPOSE OF SERVICING

WELL NO. #1 LEASE Johnson SEC. 5 TWP. 9 S RANGE 25 W

FIELD \_\_\_\_\_ COUNTY Graham STATE Ks. OWNED BY Same

THE FOLLOWING INFORMATION WAS FURNISHED BY THE CUSTOMER OR HIS AGENT:

Table with columns: FORMATION NAME, TYPE, THICKNESS, FROM, TO, CASING, LINER, TUBING, OPEN HOLE, PERFORATIONS, MAX. ALLOW. P.S.I., SHOTS/FT.

PREVIOUS TREATMENT: DATE \_\_\_\_\_ TYPE \_\_\_\_\_ MATERIALS \_\_\_\_\_

TREATMENT INSTRUCTIONS: TREAT THRU TUBING  ANNULUS  CASING  TUBING/ANNULUS  HYDRAULIC HORSEPOWER ORDERED \_\_\_\_\_

Running 500 gal mud flush - Mix 350 sacks H.O.L. cont w/ 1/2" 1/2" flocc, - Mix 175 sacks 100/40 Poz, 2% gel, 10% salt, .75% CR-2 - Displ 6 1/4 Bbl fresh wtr.

CUSTOMER OR HIS AGENT WARRANTS THE WELL IS IN PROPER CONDITION TO RECEIVE THE PRODUCTS, SUPPLIES, MATERIALS, AND SERVICES

THIS CONTRACT MUST BE SIGNED BEFORE WORK IS COMMENCED

As consideration, the above-named Customer agrees:

- (a) To pay Halliburton in accord with the rates and terms stated in Halliburton's current price lists.
(b) Halliburton shall not be responsible for and Customer shall secure Halliburton against any liability for damage to property of Customer and of the well owner...
(c) Customer shall be responsible for and secure Halliburton against any liability for reservoir loss or damage, or property damage resulting from subsurface pressure...
(d) Customer shall be responsible for and secure Halliburton against any and all liability of whatsoever nature for damages as a result of subsurface trespass...
(e) Customer shall be responsible for and secure Halliburton against any liability for injury to or death of persons, other than employees of Halliburton...
(f) Halliburton makes no guarantee of the effectiveness of the products, supplies or materials, nor of the results of any treatment or service.
(g) Customer shall, at its risk and expense, attempt to recover any Halliburton equipment, tools or instruments which are lost in the well...
(h) Because of the uncertainty of variable well conditions and the necessity of relying on facts and supporting services furnished by others...
(i) Halliburton warrants only title to the products, supplies and materials and that the same are free from defects in workmanship and materials. THERE ARE NO WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY, FITNESS OR OTHERWISE WHICH EXTEND BEYOND THOSE STATED IN THE IMMEDIATELY PRECEDING SENTENCE.
(j) Invoices payable NET by the 20th of the following month after date of invoice. Upon Customer's default in payment of Customer's account...
(k) This contract shall be governed by the law of the state where services are performed or equipment or materials are furnished.
(l) Halliburton shall not be bound by any changes or modifications unless the same are in writing by a duly authorized executive officer of Halliburton.

I HAVE READ AND UNDERSTAND THIS CONTRACT AND REPRESENT THAT I AM AUTHORIZED TO SIGN THE SAME AS CUSTOMER'S AGENT.

SIGNED [Signature] CUSTOMER
DATE 9-14-88
TIME 0930 A.M. P.M.

REC'D UEC 10 1988

CONSERVATION DIVISION

Wichita, Kansas

We certify that the Fair Labor Standards Act of 1938, as amended, has been complied with in the production of goods and/or with respect to services furnished under this contract.

CUSTOMER

# JOB SUMMARY

DIVISION Wichita, Ks.  
 HALLIBURTON LOCATION Mass City, Ks.

BILLED ON TICKET NO. 620-112

CUSTOMER Crown Petroleum  
 OPERATOR Johnson  
 JOB TYPE Drill. + Logging  
 DATE 9/19-88

WELL DATA

FIELD \_\_\_\_\_ SEC. 5 TWP. 9 S RANG. 25 W COUNTY Croham STATE Ks.

FORMATION NAME	TYPE	NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
FORMATION THICKNESS	FROM TO	CASING	<u>U</u>	<u>10.5</u>	<u>4 1/2</u>	<u>KB</u>	<u>4060</u>
INITIAL PROD: OIL _____ BPD. WATER _____ BPD. GAS _____ MCFD		LINER					
PRESENT PROD: OIL _____ BPD. WATER _____ BPD. GAS _____ MCFD		TUBING					
COMPLETION DATE _____ MUD TYPE _____ MUD WT. _____		OPEN HOLE		<u>7 7/8</u>	<u>4060</u>	<u>4100</u>	SHOTS/FT.
PACKER TYPE _____ SET AT _____		PERFORATIONS					
BOTTOM HOLE TEMP. _____ PRESSURE _____		PERFORATIONS					
MISC. DATA _____ TOTAL DEPTH <u>4100</u>		PERFORATIONS					

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
FLOAT COLLAR <u>Insect Float Valve</u>	<u>1</u>	<u>Howco</u>
FLOAT SHOE <u>Auto-fill Assy</u>	<u>1</u>	
GUIDE SHOE <u>Reg.</u>	<u>1</u>	
CENTRALIZERS <u>S-4</u>	<u>8</u>	
BOTTOM TEND <u>Cement Basket</u>	<u>2</u>	
TOP PLUG <u>S W</u>	<u>1</u>	
HEAD <u>4 1/2"</u>	<u>1</u>	
PACKER <u>Howco Weld</u>	<u>1</u>	
OTHER <u>EZ-Lok Clamp</u>	<u>1</u>	

MATERIALS

TREAT. FLUID \_\_\_\_\_ DENSITY \_\_\_\_\_ LB/GAL. API \_\_\_\_\_

DISPL. FLUID \_\_\_\_\_ DENSITY \_\_\_\_\_ LB/GAL. API \_\_\_\_\_

PROP. TYPE \_\_\_\_\_ SIZE \_\_\_\_\_ LB. \_\_\_\_\_

ACID TYPE \_\_\_\_\_ GAL. \_\_\_\_\_ % \_\_\_\_\_

SURFACTANT 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 \_\_\_\_\_

PERFPAC BALLS TYPE \_\_\_\_\_ QTY. \_\_\_\_\_

OTHER \_\_\_\_\_

JOB DATA

CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <u>9-13</u>	DATE <u>9-14</u>	DATE <u>9-14</u>	DATE <u>9-14</u>
TIME _____	TIME <u>0910</u>	TIME <u>0950</u>	TIME <u>1345</u>

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
<u>D. Lemman</u>	<u>3580</u>	
<u>K. Carter</u>	<u>Combo</u>	<u>Mass City, Ks.</u>
<u>K. Legg</u>	<u>50181</u>	
	<u>Bik Tik</u>	<u>Oberlin, Ks.</u>
<u>H. Berry</u>	<u>4718</u>	
	<u>Bik Tik</u>	<u>Oberlin, Ks.</u>
<u>T. Garrison</u>	<u>Field</u>	
	<u>Sup.</u>	<u>Oberlin, Ks.</u>

DEPARTMENT Cement

DESCRIPTION OF JOB Cement logging as directed

JOB DONE THRU: TUBING  CASING  ANNULUS  TBG. ANN.

CUSTOMER REPRESENTATIVE X [Signature]

HALLIBURTON OPERATOR Don Lemman COPIES REQUESTED \_\_\_\_\_

CEMENT DATA

STAGE	NUMBER OF SACKS	TYPE	API CLASS	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
	<u>350</u>	<u>HDL</u>	<u>A</u>	<u>Poz</u>	<u>B</u>	<u>1/4" / 1/2" floccle</u>	<u>3.62</u>	<u>10.7</u>
	<u>175</u>	<u>60/40</u>	<u>A</u>	<u>Poz</u>	<u>B</u>	<u>2% gcl, 10% soft, .75% CER-2</u>	<u>1.30</u>	<u>14.54</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 22' REASON Shoe Joint

SUMMARY

PRESLUSH: BBL-GAL. 500

LOAD & BKDN: BBL-GAL. \_\_\_\_\_

TREATMENT: BBL-GAL. \_\_\_\_\_

CEMENT SLURRY: BBL-GAL. HDL-225%

TOTAL VOLUME: BBL-GAL. \_\_\_\_\_

VOLUMES

TYPE Mudflush

PAD: BBL-GAL. \_\_\_\_\_

DISPL: BBL-GAL. 674

REMARKS See Job Log & Chart

DEC 19 1988

STATE CORPORATION COMMISSION

CONSERVATION DIVISION  
Wichita, Kansas



# BULK MATERIALS DELIVERY AND TICKET CONTINUATION

FOR INVOICE AND  
TICKET NO. 620712

DATE <b>9-14-88</b>	CUSTOMER ORDER NO.	WELL NO. AND FARM	COUNTY <b>Graham</b>	STATE <b>Ks</b>
CHARGE TO <b>Crown Petroleum</b>		OWNER <b>Crown</b>	CONTRACTOR <b>Emphasis Drlg</b>	
MAILING ADDRESS		DELIVERED FROM <b>Oberlin, Ks</b>	LOCATION CODE <b>50329</b>	PREPARED BY <b>vlk</b>
CITY & STATE		DELIVERED TO	TRUCK NO.	RECEIVED BY <i>Alvin L. ...</i>

No. **B 782553**

PRICE REFERENCE	SECONDARY REF. OR PART NO.	CODE		DESCRIPTION	UNITS 1		UNITS 2		UNIT PRICE	AMOUNT	
		L	D		QTY.	MEAS.	QTY.	MEAS.			
504-308				Standard Cement	105	sk			6.75	708	75
506-105				Pozmix "A"	70	sk			3.50	245	00
506-121				Halliburton Gel Allowed 2% (3)						NC	
509-968				Salt Granulated	838	lb			.063	52	79
507-145				CFR-2	110	lb			3.70	407	00
504-308				Standard Cement	228	sk			6.75	1539	00
506-105				Pozmix "A"	128	sk			3.50	427	00
506-121				Halliburton Gel Allowed 2% (8)						NC	
507-277				Halliburton Gel Mixed 8% (25)	350	sk			.74	289	00
507-285				Econolite	609	lb			.80	487	20
500-210				Flocele	88	lb			1.21	106	48
<b>Returned Mileage Charge</b>					<b>TOTAL WEIGHT</b>		<b>LOADED MILES</b>		<b>TON MILES</b>		
<b>SERVICE CHARGE ON MATERIALS RETURNED</b>							<b>CU. FEET</b>				
500-207				<b>SERVICE CHARGE</b>			<b>537 CU. FEET</b>		<b>.95</b>	<b>510</b>	<b>15</b>
500-306				<b>Mileage Charge</b>	<b>STATE CORPORATION COMMISSION</b>		<b>60 LOADED MILES</b>		<b>.70</b>	<b>1060</b>	<b>42</b>
					<b>50,496 TOTAL WEIGHT</b>		<b>1514.88 TON MILES</b>				
No. <b>B 782553</b>		<b>REC 19 1988</b>					<b>CARRY FORWARD TO INVOICE</b>		<b>SUB-TOTAL</b>		<b>4238 22</b>

THIS IS NOT AN INVOICE



# Emphasis

OIL OPERATIONS

## Pipe and Tubing Tally Book



DATE 9-14-88 COMPANY Crown PET Inc. LEASE Johnson Well No. 1

SIZE <u>4 1/2</u>	WEIGHT <u>10.5</u>	MAKE	GRADE <u>used</u>	RANGE <u>4</u>
THREAD <u>8rd</u>	COLLAR LENGTH	CONDITION <u>fair</u>	TRANSFER NOS.	OVERALL TALLY THREADS OFF TALLY

Joint No.	Feet	Hndrts.	Joint No.	Feet	Hndrts.	Joint No.	Feet	Hndrts.	Joint No.	Feet	Hndrts.	Joint No.	Feet	Hndrts.	Joint No.	Feet	Hndrts.	Joint No.	Feet	Hndrts.
1	70	02	21	39	23	41	10	13	61	10	18	81	41	94	101	12	13	121		
2	39	49	22	10	35	42	12	12	62	35	29	82	10	15	102	11	10	122		
3	42	15	23	12	10	43	12	14	63	10	20	83	10	48	103	10	61	123		
4	41	71	24	12	29	44	40	29	64	39	47	84	10	38	104			124		
5	42	14	25	42	18	45	41	22	65	39	79	85	40	38	105			125		
6	41	30	26	42	05	46	10	30	66	39	78	86	42	08	106			126		
7	10	86	27	41	68	47	12	24	67	10	20	87	39	68	107			127		
8	32	92	28	36	42	48	42	09	68	10	18	88	10	03	108			128		
9	41	72	29	42	15	49	42	07	69	40	27	89	36	82	109			129		
10	39	70	30	40	01	50	10	36	70	35	34	90	39	39	110			130		
11	10	52	31	10	22	51	10	52	71	40	08	91	12	-	111			131		
12	41	32	32	40	65	52	10	45	72	40	08	92	39	99	112			132		
13	42	16	33	34	70	53	42	17	73	40	16	93	39	21	113			133		
14	41	88	34	38	77	54	42	20	74	39	99	94	39	69	114			134		
15	39	11	35	42	08	55	41	33	75	38	102	95	39	53	115			135		
16	40	64	36	40	24	56	12	15	76	40	20	96	10	35	116			136		
17	42	09	37	40	80	57	12	10	77	39	28	97	10	33	117			137		
18	42	10	38	10	18	58	10	15	78	39	28	98	39	71	118			138		
19	10	15	39	10	09	59	10	25	79	39	22	99	12	18	119			139		
20	12	18	40	38	80	60	38	80	80	10	34	100	12	61	120			140		
794	37		8	05	02	8	24	27	7	95	09	8	02	55	1	23	84			

Totals 4150.04

Drillers TD 4100' Loggers TD 4097

No. Jts. Run 101 Size 4 1/2 Wt. 10.5 Tested 8rd

Cent @ 1040, 4000, 3455, 3714, 3834, 3933, 4550, 7263

Basket @ 3544 + 2065 D.V. Tool @ \_\_\_\_\_ Port Collar @ \_\_\_\_\_

Cemented By HALIOWAY SKs. Type Cement 335 SK 40% 3% 1 3% P.C. 1750's 14%

Flush See job

Jts. To Be Left Out 4204 4034

Shoe Jt. 2212 Pipe Set @ 7:15 Off Bottom 3'

Plug Down 150 A.M. (P.M.) 7:14 Rig Release @ 2:00 A.M. (P.M.) 1 1

Job By Halco

Pipe Left On Location 2 1/2 mi. Jts. Talley \_\_\_\_\_ Threads On \_\_\_\_\_

Cement d.d. Cir.

RECEIVED  
STATE CORPORATION COMMISSION

UCC 10 1988