

FORM MUST BE TYPED

ORIGINAL SIDE ONE

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

Operator: License # 5225  
Name: Quinque Operating Company  
Address P. O. Box 2738  
Liberal, KS 67905-2738  
City/State/Zip \_\_\_\_\_  
Purchaser: Trident NGL  
Operator Contact Person: Michael Moore  
Phone (316) 624-2578  
Contractor: Name: Tom's Well Service, Inc.  
License: \_\_\_\_\_  
Wellsite Geologist: \_\_\_\_\_  
Designate Type of Completion  
\_\_\_\_ New Well  Re-Entry \_\_\_\_ Workover  
 Oil \_\_\_\_ SWD \_\_\_\_ S10W \_\_\_\_ Temp. Abd.  
 Gas \_\_\_\_ ENHR \_\_\_\_ S1GW  
\_\_\_\_ Dry \_\_\_\_ Other (Core, WSW, Expl., Cathodic, etc)

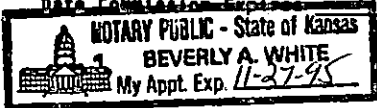
If Workover/Re-Entry: old well info as follows:  
Operator: Raydon Exploration, Inc.  
Well Name: Meadows R-1  
Comp. Date 2-10-91 Old Total Depth 5975  
 Deepening \_\_\_\_ Re-perf. \_\_\_\_ Conv. to Inj/SWD  
 Plug Back 5125 PBTB  
\_\_\_\_ Commingled \_\_\_\_ Docket No. \_\_\_\_  
\_\_\_\_ Dual Completion \_\_\_\_ Docket No. \_\_\_\_  
\_\_\_\_ Other (SWD or Inj?) \_\_\_\_ Docket No. \_\_\_\_  
9-28-91 9-30-91 12-4-91  
Spud Date Date Reached TD Completion Date

API NO. 15- 033-20,809-1-00-01  
County Comanche County, KS ✓  
C NW NE Sec. 3 Twp. 34S Rge. 17 X<sup>E</sup><sub>W</sub>  
660 ✓ 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 Meadows ✓ Well # R-1  
Field Name SE Beals  
Producing Formation Mississippian  
Elevation: Ground 1816 KB 1828  
Total Depth 5975 PBTB 5125  
Amount of Surface Pipe Set and Cemented at 531 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/ \_\_\_\_\_ ex cnt.  
Drilling Fluid Management Plan A 1-2  
(Data must be collected from the Reserve Pit)  
Chloride content 6500 ppm Fluid volume 600 bbls  
Dewatering method used Natural Evaporation  
Location of fluid disposal hauled offsite  
Operator Name \_\_\_\_\_  
Lease Name \_\_\_\_\_ License No. \_\_\_\_\_  
\_\_\_\_ Quarter Sec. \_\_\_\_ Twp. \_\_\_\_ S Rng. \_\_\_\_ E/W  
County \_\_\_\_\_ Docket No. \_\_\_\_\_

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information on side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form (see rule 82-3-107 for confidentiality in excess of 12 months). One copy of all wireline logs and geologist well report shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells.

All requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Signature [Signature]  
Title President Date 3-23-92  
Subscribed and sworn to before me this 23 day of March,  
19 92.  
Notary Public [Signature]  
Date Commission Expires 11-27-95



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

SIDE TWO

Operator Name Quinque Operating

Lease Name Meadows

Well # R-1

Sec. 3 Twp. 34S Rge. 17  
 East  
 West

County Comanche, KS

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  
Mississippian 5086 KB

CASING RECORD <input type="checkbox"/> New <input checked="" type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs./Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
	7 7/8"	4 1/2"	10.5	5181	50/50 POZ	125	12% Salt 6 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 checked="" type="checkbox"/> Plug Off Zone	5090-5138	Normal	75	10% Salt 6% Halad 322

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
	2	5008-5011		500 gal. 15% FE	
2	5090-5095 5101-5108		500 gal. 15% FE 4000 gal. MOD	202 5090-5108	
2	5136-5138		1500 gal. 15% FE	5136-5138 (squeezed off)	

TUBING RECORD Size 2 3/8 Set At 5125 Packer At N/A Liner Run  Yes  No

Date of First, Resumed Production, SMD or Inj. test date 1-10-92 Producing Method  Flowing  Pumping  Gas Lift  Other (Explain)

Estimated Production Per 24 Hours Oil 3 Bbls. Gas 500 Mcf Water 15 Bbls. Gas-Oil Ratio 200:1 Gravity 40

Disposition of Gas:  Vented  Sold  Used on Lease (If vented, submit ACD-18.) METHOD OF COMPLETION  Open Hole  Perf.  Dually Comp.  Other (Specify) Production Interval 5008-5108

INVOICE

**ORIGINAL**  
**HALIBURTON SERVICES**

A Halliburton Company

INVOICE NO.	DATE
173649	10/12/1991

WELL LEASE NO./PLANT NAME	WELL/PLANT LOCATION	STATE	WELL/PLANT OWNER
MEADOWS R-1	BARBER	KS	SAME
SERVICE LOCATION	CONTRACTOR	JOB PURPOSE	TICKET DATE
PRATT	TOM WELL SERVICE	SQUEEZE PERFORATIONS	10/12/1991
ACCT. NO.	CUSTOMER AGENT	VENDOR NO.	CUSTOMER P.O. NUMBER
712202	MIKE MOORE		
SHIPPED VIA			FILE NO.
COMPANY TRUCK			23808

QUINQUE OPERATING COMPANY  
P O BOX 2738  
LIBERAL, KS 67905-2738

DIRECT CORRESPONDENCE TO:  
FIRST OKLAHOMA TOWER  
210 WEST PARK AVENUE  
SUITE 2050  
OKLAHOMA CITY, OK 73102-5601

PRICE REF. NO.	DESCRIPTION	QUANTITY	U/M	UNIT PRICE	AMOUNT
000-117	PRICING AREA - MID CONTINENT MILEAGE	78	MI	2.60	202.80 *
		1	UNT		
009-134	CEMENT SQUEEZE	5005	FT	1,460.00	1,460.00 *
009-019		1	UNT		
504-308	STANDARD CEMENT	25	SK	5.35	133.75 *
509-968	SALT	108	LB	1.00	108.00 *
507-775	HALAD-322	17	LB	6.15	104.55 *
509-968	SALT	216	LB	.10	21.60 *
500-207	BULK SERVICE CHARGE	80	CFT	1.15	92.00 *
500-306	MILEAGE CMTG MAT DEL OR RETURN	288.25	TMI	.80	230.60 *
504-308	STANDARD CEMENT	50	SK	5.35	267.50 *
INVOICE SUBTOTAL					2,523.60
DISCOUNT-(BID)					504.72-
INVOICE BID AMOUNT					2,018.88
*-KANSAS STATE SALES TAX					84.71
*-PRATT COUNTY SALES TAX					19.93
<b>INVOICE TOTAL - PLEASE PAY THIS AMOUNT</b>					<b>\$2,123.52</b>

RECEIVED  
MADISON

TERMS 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.

FORM 1906 R-11

WELL NO. - FARM OR LEASE NAME <i>R-1</i>	COUNTY <i>SHADER</i>	STATE <i>KS</i>	CITY / OFFSHORE LOCATION	DATE <i>10/12/11</i>
CHARGE TO <i>QUADRA OPERATING</i>	OWNER <i>SAME</i>	TICKET TYPE (CHECK ONE) SERVICE <input checked="" type="checkbox"/> SALES <input type="checkbox"/>		NITROGEN JOB YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>
ADDRESS	CONTRACTOR <i>TOMAS WELLS SR</i>	LOCATION <i>1 POST 1</i>	CODE <i>75011</i>	
CITY, STATE, ZIP	SHIPPED VIA <i>50120</i>	FREIGHT CHARGES <input type="checkbox"/> FWD. <input type="checkbox"/> COLLECT	LOCATION <i>2</i>	CODE
WELL TYPE <i>2111</i>	WELL CATEGORY <i>23 WORKOVER</i>	WELL PERMIT NO.	LOCATION <i>3</i>	CODE
TYPE AND PURPOSE OF JOB <i>SQUIP</i>	<b>B-457668</b>	ORDER NO.	REFERRAL LOCATION	

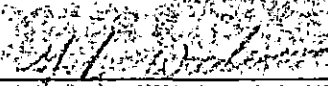
As consideration, the above-named Customer agrees to pay Halliburton in accord with the rates and terms stated in Halliburton's current price lists. Invoices payable NET by the 20th of the following month after date of invoice. Upon Customer's default in payment of Customer's account by the last day 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		
<i>200-117</i>		<i>1</i>		<i>MILEAGE</i>	<i>7.8</i>	<i>mi</i>			<i>2.67</i>	<i>207.24</i>
<i>207-134</i>		<i>1</i>		<i>PUMP CHARGE</i>	<i>5003</i>	<i>FT</i>			<i>4.60</i>	<i>1740.00</i>

THIS IS NOT AN INVOICE

AS PER ATTACHED BULK MATERIAL DELIVERY TICKET NO. **B-457668** 538.20

WAS JOB SATISFACTORILY COMPLETED? WAS OPERATION OF EQUIPMENT SATISFACTORY? WAS PERFORMANCE OF PERSONNEL SATISFACTORY?	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.   HALLIBURTON OPERATOR	SUB TOTAL APPLICABLE TAXES WILL BE ADDED ON INVOICE.
X CUSTOMER OR HIS AGENT (PLEASE PRINT) X CUSTOMER OR HIS AGENT (SIGNATURE)	HALLIBURTON APPROVAL CUSTOMER	



A Division of Halliburton Company  
DUNCAN, OKLAHOMA 73536

# BULK MATERIALS DELIVERY AND TICKET CONTINUATION ORIGINAL

FOR INVOICE AND  
TICKET NO. 123147

DATE <b>10/12/91</b>	CUSTOMER ORDER NO.	WELL NO. AND FARM <b>R-1 Meadows</b>	COUNTY <b>Comanche</b>	STATE <b>Ks.</b>
CHARGE TO <b>Quinque Operating</b>		OWNER <b>Same</b>	CONTRACTOR <b>No. B 467368</b>	
MAILING ADDRESS		DELIVERED FROM <b>Pratt, Ks.</b>	LOCATION CODE <b>25555</b>	PREPARED BY <b>J. Arend</b>
CITY & STATE		DELIVERED TO <b>Well Site</b>	TRUCK NO. <b>4142-6606</b>	RECEIVED BY <i>J. W.</i>

PRICE REFERENCE	SECONDARY REF. OR PART NO.	CODE		DESCRIPTION	UNITS 1		UNITS 2		UNIT PRICE	AMOUNT	
		L	D		QTY.	MEAS.	QTY.	MEAS.			
<b>Front</b>				<b>Standard Cement</b>	<b>25</b>	<b>Sks</b>					
<b>504-308</b>				<b>Standard Cement</b>	<b>25</b>	<b>Sks</b>			<b>5.35</b>	<b>133.</b>	<b>75</b>
<b>509-968</b>				<b>Salt 10%</b>	<b>108</b>	<b>#</b>			<b>.10</b>	<b>10.</b>	<b>80</b>
<b>507-775</b>				<b>Halad 322</b>	<b>17</b>	<b>#</b>			<b>6.15</b>	<b>104.</b>	<b>55</b>
<b>Rear</b>				<b>Standard Cement</b>	<b>50</b>	<b>Sks</b>			<b>5.35</b>	<b>267.</b>	<b>50</b>
<b>509-968</b>				<b>Salt 10%</b>	<b>216</b>				<b>.10</b>	<b>21.</b>	<b>60</b>
					<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>		
<b>500-207</b>				<b>SERVICE CHARGE</b>				<b>CU. FEET</b>	<b>80</b>	<b>1.15</b>	<b>92.00</b>
<b>500-306</b>				<b>Mileage Charge</b>	<b>7,391</b>	<b>TOTAL WEIGHT</b>	<b>78</b>	<b>LOADED MILES</b>	<b>288.25</b>	<b>TON MILES</b>	<b>.80</b>
<b>No. B 467368</b>		<b>CARRY FORWARD TO INVOICE</b>							<b>SUB-TOTAL</b>		<b>538.20</b>

THIS IS NOT AN INVOICE

ORIGINAL

DISTRICT PMT K3 DATE 10-12-71

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

WELL NO. R-1 LEASE MINNOWS SEC 3 TWP. 315 RANGE 174

FIELD \_\_\_\_\_ COUNTY \_\_\_\_\_ STATE \_\_\_\_\_ OWNED BY \_\_\_\_\_

THE FOLLOWING INFORMATION WAS FURNISHED BY THE CUSTOMER OR HIS AGENT

FORMATION NAME	TYPE	NEW USED	WEIGHT	SIZE	FROM	TO	MAX. ALLOW. P.S.I.
FORMATION THICKNESS	FROM TO						
PACKER TYPE	SET AT						
TOTAL DEPTH	MUD WEIGHT						
BORE HOLE							SHOTS/FT.
INITIAL PROD: OIL BPD, H <sub>2</sub> O BPD, GAS MCF							
PRESENT PROD: OIL BPD, H <sub>2</sub> O BPD, GAS MCF							
PERFORATIONS					5070	5075	
PERFORATIONS					5104	5108	
PERFORATIONS							

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

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

*Run tracer survey + squeeze off perforations with 25 SPM standing / 100' salt  
A 2 SALT 757 11140 222  
followed with 50 SPM standing / 100' salt*

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

As consideration, the above-named Customer agrees: THIS CONTRACT MUST BE SIGNED BEFORE WORK IS COMMENCED

- a) To pay Halliburton in accord with the rates and terms stated in Halliburton's current price list. Invoices are 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 attorneys 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.
- b) To defend, indemnify, release and hold harmless Halliburton, its divisions, subsidiaries, parent and affiliated companies and the officers, directors, employees, agents and servants of all of them from and against any claims, liability, expenses, attorneys fees, and costs of defense to the extent permitted by law for:
  - 1. Damage to property owned by, in the possession of, or leased by Customer, and/or the well owner (if different from Customer), including, but not limited to, surface and subsurface damage. The term "well owner" shall include working and royalty interest owners.
  - 2. Reservoir, formation, or well loss or damage, subsurface trespass or any action in the nature thereof.
  - 3. Personal injury or death or property damage (including, but not limited to, damage to the reservoir, formation or well), or any damages whatsoever, growing out of or in any way connected with or resulting from pollution, subsurface pressure, losing control of the well and/or a well blowout or the use of radioactive material.

The defense, indemnity, release and hold harmless obligations of Customer provided for in this Section b) and Section c) below shall apply to claims or liability even if caused or contributed to by Halliburton's negligence, strict liability, or the unseaworthiness of any vessel owned, operated, or furnished by Halliburton or any defect in the data, products, supplies, materials, or equipment of Halliburton whether in the preparation, design, manufacture, distribution, or marketing thereof, or from a failure to warn any person of such defect. Such defense, indemnity, release and hold harmless obligations of Customer shall not apply where the claims or liability are caused by the gross negligence or willful misconduct of Halliburton. The term "Halliburton" as used in said Sections b) and c) shall mean Halliburton, its divisions, subsidiaries, parent and affiliated companies, and the officers, directors, employees, agents and servants of all of them.
- c) That because of the uncertainty of variable well conditions and the necessity of relying on facts and supporting services furnished by others, Halliburton is unable to guarantee the effectiveness of the products, supplies or materials, nor the results of any treatment or service, nor the accuracy of any chart interpretation, research analysis, job recommendation or other data furnished by Halliburton. Halliburton personnel will use their best efforts in gathering such information and their best judgment in interpreting it, but Customer agrees that Halliburton shall not be liable for and Customer shall indemnify Halliburton against any damages arising from the use of such information.
- d) That 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. Halliburton's liability and Customer's exclusive remedy in any cause of action (whether in contract, tort, 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.
- e) That Customer shall, at its risk and expense, attempt to recover any Halliburton equipment, tools or instruments which are lost in the well and if such equipment, tools or instruments are not recovered, Customer shall pay Halliburton its replacement cost unless such loss is due to the sole negligence of Halliburton. If Halliburton equipment, tools or instruments are damaged in the well, Customer shall pay Halliburton the lesser of its replacement cost or the cost of repairs unless such damage is caused by the sole negligence of Halliburton. In the case of equipment, tools or instruments for marine operations, Customer shall, in addition to the foregoing, be fully responsible for loss of or damage to any of Halliburton's equipment, tools or instruments which occurs at any time after delivery to Customer at the landing until returned to the landing, unless such loss or damage is caused by the sole negligence of Halliburton.
- f) To waive the provisions of the Deceptive Trade Practices - Consumer Protection Act, to the extent permitted by law.
- g) That this contract shall be governed by the law of the state where services are performed or materials are furnished.
- h) That Halliburton shall not be bound by any changes or modifications in this contract, except where such change or modification is made 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 \_\_\_\_\_ CUSTOMER

DATE \_\_\_\_\_

TIME \_\_\_\_\_ A.M./P.M.

CUSTOMER

**WELL DATA**

FIELD \_\_\_\_\_ SEC. 3 TWP. 34 RING. 119 COUNTY COMBINE STATE KY

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 ARBON SET AT 3005

BOTTOM HOLE TEMP. \_\_\_\_\_ PRESSURE \_\_\_\_\_

MISC. DATA \_\_\_\_\_ TOTAL DEPTH \_\_\_\_\_

**JOB DATA**

CALLER OUT DATE TIME	ON LOCATION DATE TIME	JOB STARTED DATE TIME	JOB COMPLETED DATE TIME
<u>10-12-11</u> <u>0800</u>	<u>10-17-11</u> <u>1115</u>	<u>10-12-11</u> <u>1215</u>	<u>10-17-11</u> <u>1500</u>

**TOOLS AND ACCESSORIES**

TYPE AND SIZE	QTY.	MAKE
FLOAT COLLAR		
FLOAT SHOE		
GUIDE SHOE		
CENTRALIZERS		
BOTTOM PLUG		
TOP PLUG		
HEAD		
PACKER		
OTHER		

**PERSONNEL AND SERVICE UNITS**

NAME	UNIT NO. & TYPE	LOCATION
<u>J. Woodman 6252</u>	<u>170</u>	<u>SPRING</u>
<u>D. GIBSON 8763</u>	<u>2227</u>	<u>KY</u>
<u>K. STAPLETON</u>	<u>1112/1113</u>	<u>"</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 \_\_\_\_\_

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 \_\_\_\_\_ QTY. \_\_\_\_\_

DEPARTMENT CEMENT

DESCRIPTION OF JOB SQUEEZE

JOB DONE THRU: TUBING  CASING  ANNULUS  TBG/ANN.

CUSTOMER REPRESENTATIVE X [Signature]

HALLIBURTON OPERATOR [Signature] COPIES REQUESTED \_\_\_\_\_

**CEMENT DATA**

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
	<u>25</u>	<u>Standard</u>	<u>14616</u>	<u>6</u>	<u>1759 10% SALT</u>	<u>1.20</u>	<u>15.8</u>
	<u>50</u>	<u>"</u>	<u>"</u>	<u>6</u>	<u>107 SALT</u>	<u>1.20</u>	<u>15.8</u>

**PRESSURES IN PSI**

**SUMMARY**

**VOLUMES**

CIRCULATING \_\_\_\_\_ DISPLACEMENT \_\_\_\_\_ PRESLUSH: BBL-GAL \_\_\_\_\_ TYPE \_\_\_\_\_

BREAKDOWN \_\_\_\_\_ MAXIMUM 3000 LOAD & BKDN: BBL-GAL \_\_\_\_\_ PAD: BBL-GAL \_\_\_\_\_

AVERAGE \_\_\_\_\_ FRACTURE GRADIENT \_\_\_\_\_ TREATMENT: BBL-GAL \_\_\_\_\_ DISPL: BBL-GAL 175

SHUT-IN: INSTANT \_\_\_\_\_ 5-MIN. \_\_\_\_\_ 15-MIN. \_\_\_\_\_ CEMENT SLURRY: BBL-GAL 16.0

HYDRAULIC HORSEPOWER \_\_\_\_\_ TOTAL VOLUME: BBL-GAL \_\_\_\_\_

ORDERED \_\_\_\_\_ AVAILABLE \_\_\_\_\_ USED \_\_\_\_\_ REMARKS \_\_\_\_\_

AVERAGE RATES IN BPM \_\_\_\_\_

TREATING \_\_\_\_\_ DISPL \_\_\_\_\_ OVERALL \_\_\_\_\_

CEMENT LEFT IN PIPE \_\_\_\_\_

FEET \_\_\_\_\_ REASON \_\_\_\_\_

CUSTOMER \_\_\_\_\_  
LEASE \_\_\_\_\_  
WELL NO. \_\_\_\_\_  
JOB TYPE \_\_\_\_\_  
DATE \_\_\_\_\_

**JOB LOG**

WF ID. 201 LEASE Windan TICKET NO. 10001

CUSTOMER Quinque OPIAT-AC PAGE NO. 1

JOB TYPE 2 Phase Summary / Summary DATE 10-12-71

FORM 2013 R-2

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
								ORIGINAL
	11:00							JOB READY
	11:00							CALLER GET FOR 11:15
	11:15							PUMP TRUSS ON JOBSITE
	11:15							SET UP PUMP TRUSS
	11:15							START ON TRUCK LOADING CRACK
	11:15							START PUMPING WATER FROM 2 1/2 TBG
	11:15							WATER RUNNING THROUGH JOBSITE
	11:15							STOP TRUCK / FLOOD CRACK IN BOTTOM - 10000 PSI
	11:15							START SET AT 2000"
	11:30		15.0	✓	✓	500	500	LOAD JOBSITE
	11:35	2				600	500	TRUCK IN STAFFED WITH
	11:40	2 1/4						START PUMPING CRACK
	11:45	2 3/4	16.5	✓	✓			TRUCK BACK TO JOBSITE
	11:50							TRUCK IN JOBSITE
	11:55		17.0	✓	✓			TRUCK IN JOBSITE
	12:00		17.5	✓	✓			TRUCK IN JOBSITE
	12:05		18.0	✓	✓			TRUCK IN JOBSITE
	12:10		18.5	✓	✓			TRUCK IN JOBSITE
	12:15		19.0	✓	✓			TRUCK IN JOBSITE
	12:20		19.5	✓	✓			TRUCK IN JOBSITE
	12:25		20.0	✓	✓			TRUCK IN JOBSITE
	12:30		20.5	✓	✓			TRUCK IN JOBSITE
	12:35		21.0	✓	✓			TRUCK IN JOBSITE
	12:40		21.5	✓	✓			TRUCK IN JOBSITE
	12:45		22.0	✓	✓			TRUCK IN JOBSITE
	12:50		22.5	✓	✓			TRUCK IN JOBSITE
	12:55		23.0	✓	✓			TRUCK IN JOBSITE
	13:00		23.5	✓	✓			TRUCK IN JOBSITE
	13:05		24.0	✓	✓			TRUCK IN JOBSITE
	13:10		24.5	✓	✓			TRUCK IN JOBSITE
	13:15		25.0	✓	✓			TRUCK IN JOBSITE
	13:20		25.5	✓	✓			TRUCK IN JOBSITE
	13:25		26.0	✓	✓			TRUCK IN JOBSITE
	13:30		26.5	✓	✓			TRUCK IN JOBSITE
	13:35		27.0	✓	✓			TRUCK IN JOBSITE
	13:40		27.5	✓	✓			TRUCK IN JOBSITE
	13:45		28.0	✓	✓			TRUCK IN JOBSITE
	13:50		28.5	✓	✓			TRUCK IN JOBSITE
	13:55		29.0	✓	✓			TRUCK IN JOBSITE
	14:00		29.5	✓	✓			TRUCK IN JOBSITE
	14:05		30.0	✓	✓			TRUCK IN JOBSITE
	14:10		30.5	✓	✓			TRUCK IN JOBSITE
	14:15		31.0	✓	✓			TRUCK IN JOBSITE
	14:20		31.5	✓	✓			TRUCK IN JOBSITE
	14:25		32.0	✓	✓			TRUCK IN JOBSITE
	14:30		32.5	✓	✓			TRUCK IN JOBSITE
	14:35		33.0	✓	✓			TRUCK IN JOBSITE
	14:40		33.5	✓	✓			TRUCK IN JOBSITE
	14:45		34.0	✓	✓			TRUCK IN JOBSITE
	14:50		34.5	✓	✓			TRUCK IN JOBSITE
	14:55		35.0	✓	✓			TRUCK IN JOBSITE
	15:00		35.5	✓	✓			TRUCK IN JOBSITE

CUSTOMER