

00-02

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

ORIGINAL

API NO. 15- 151-21, 251-X

County Pratt

C -SW - NW - Sec. 5 Twp. 27S Rgs. 11 X <sup>E</sup>/<sub>W</sub>

3300 Feet N/S (circle one) of Section Line  
4620 Feet E/W (circle one) of Section Line

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

Lease Name Dietz Well # 1

Field Name Haynesville SW Ext.

Producing Formation Mississippian

Elevation: Ground 1818 KB 1823

Total Depth 4090 PBD 4032

Amount of Surface Pipe Set and Cemented at 300 Feet

Multiple Stage Cementing Collar Used? Yes X No

If yes, show depth set \_\_\_\_\_ Feet

If Alternate II completion, cement circulated from \_\_\_\_\_

feet depth to \_\_\_\_\_ w/ \_\_\_\_\_ sx cat.

Drilling Fluid Management Plan A/I  
(Data must be collected from the Reserve Pit)

Chloride content \_\_\_\_\_ ppm Fluid volume 114 bbls

Dewatering method used Hauled by vaccum truck

Location of fluid disposal if hauled offsite:

Operator Name Pratt Well Service, Inc.

Lease Name Watson SWD License No. 5893

NW Quarter Sec. 7 Twp. 27 S Rng. 13 E/W

County Pratt Docket No. D-19,334

Operator: License # 5893

Name: Pratt Well Service, Inc.

Address P.O. Box 847

City/State/Zip Pratt, KS 67124

Purchaser: Clear Creek, Inc.

Operator Contact Person: Kenny Gates

Phone ( 316 672-2531

Contractor: Name: Pratt Well Service, Inc.

License: 5893

Wellsite Geologist: Douglas H. McGinness

Designate Type of Completion Wash Down  
\_\_\_\_\_ New Well X Re-Entry \_\_\_\_\_ Workover

X Oil \_\_\_\_\_ SWD \_\_\_\_\_ S10W \_\_\_\_\_ Temp. Abd.  
\_\_\_\_\_ Gas \_\_\_\_\_ ENHR \_\_\_\_\_ SIGW \_\_\_\_\_  
\_\_\_\_\_ Dry \_\_\_\_\_ Other (Core, WSW, Expl., Cathodic, etc)

If Workover/Re-Entry: old well info as follows:

Operator: Rupe Oil Company

Well Name: Dietz #1

Comp. Date 2/23/83 Old Total Depth 4090

\_\_\_\_\_ Deepening X Re-perf. \_\_\_\_\_ Conv. to Inj/SWD  
\_\_\_\_\_ Plug Back \_\_\_\_\_ PBDT

\_\_\_\_\_ Commingled \_\_\_\_\_ Docket No. \_\_\_\_\_

\_\_\_\_\_ Dual Completion \_\_\_\_\_ Docket No. \_\_\_\_\_

\_\_\_\_\_ Other (SWD or Inj?) \_\_\_\_\_ Docket No. \_\_\_\_\_

3-25-91 3-29-91 5-1-91  
2-11-83 4090 5-26-83  
Spud Date Date Reached TD Completion Date

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 Kenneth C. Gates  
Title President Name Kenny Gates Date 11/7/91

Subscribed and sworn to before me this 7th day of November 19 91.

Notary Public Rosie Klaus  
Date Commission Expires 1-28-95



Rosie Klaus  
1-28-95

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

RECEIVED  
STATE CORPORATION COMMISSION  
Form ACO-1 (7-91)

NOV 8 1991

P1

Sec. 5 Twp. 27 Rge. 11  East  West

County, Pratt

**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:

Name	Formation (Top), Depth and Datum		Datum
	Top	Datum	
Heebner	3437 (-1614)	3438 (-1615)	
Brown Lime	3613 (-1793)	3615 (-1792)	
Lansing	3634 (-1811)	3633 (-1810)	
Base/KC	3984 (-2161)	3984 (-2161)	
Mississippi	4074 (-2251)	4072 (-2249)	

CASING RECORD <input checked="" type="checkbox"/> New <input 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
Surface	12 1/4	8 5/8		300			
Production	7 7/8	5 1/2		4075			

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		Acid, Fracture, Shot, Cement Squeeze Record	
	Specify Footage of Each Interval Perforated		(Amount and Kind of Material Used)	Depth
8	3974.5-3978		1500 Gal SGA Retarded acid,	
			500 Gal 15% DSFE w/LoSurf 259,	
			HAI 85M Inhib, Clayfix II	

TUBING RECORD		Size	Set At	Packer At	Liner Run	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
		5 1/2	4075	3960		
Date of First, Resumed Production, SWD or Inj.			Producing Method <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)			
5-1-91						
Estimated Production Per 24 Hours	Oil	Bbls.	Gas	Mcf	Water	Gravity
		4.6		0		34.3

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 \_\_\_\_\_



100 South Market, Suite 203, Wichita, KS 67202, 316-264-2814

**DELIVERY TICKET** 61134

DATE SHIPPED 3-31-91	F. O. B.	PREPAID	FINAL WELL
DELIVERING WAREHOUSE Pratt	WAREHOUSE <input type="checkbox"/>	<input type="checkbox"/>	3 TICKET
	WELL SITE <input type="checkbox"/>	COLLECT <input type="checkbox"/>	

SOLD TO Pratt Well Service	SHIPPED TO Co Tools	WELL NAME & NO. Dietz owld
ADDRESS	SHIPPED VIA T-# 24	COUNTY, STATE Pratt
CITY, STATE, ZIP	ORDER NO. 11471	SEC 5 TWN 27 RNG 11W

PRODUCT	PACKAGE SIZE	QUANTITY	PRICING UNIT	CODE	UNIT PRICE	AMOUNT
1. Mud-Co-Gel	100#	27	Bag		6.39	
2. Salt Clay	#		Bag			
3. Sea Mud	50#		Bag			
4. Mud-Co-Starch	50#		Bag			
5. Lime	50#		Bag			
6. Cotton Seed Hulls	5 #	50	Bag		8.80	
7. Soda Ash	100#	2	Bag		26.49	
8. Caustic Soda	50#		Bag			
9. _____ Thinner	#		Bag			
10. Preservative	50#		Bag			
11. Drispac	50#		Bag			
12. Mud Seal	40#		Bag			
13. Multi Blend	40#	20			17.22	
14. P-10-L	5gal.	1			126.55	
15. Defoamer	5gal.	1			99.17	
16.						
17.						
18.						
19.						
20.						
21.						
22.						
23. Final						
24. CREDIT						

RECEIVED  
STATE CORPORATION COMMISSION  
NOV 8 1991  
CONSERVATION DIVISION  
Wichita, Kansas

MATERIAL RECEIVED IN GOOD ORDER	TRANSPORTATION CHARGES			SUB TOTAL	1235.63
	TRUCK #	MILEAGE	FROM		
DATE RECEIVED	7000	@ 111	77 70	SALES TAX	
	@				
	@			TRANSPORTATION	
PURCHASE AUTHORIZED BY	TOTAL TRANSPORTATION CHARGES			TOTAL	1157.93

ROUTING: WHITE - CUSTOMER; BLUE - CUSTOMER RIG; GREEN - WICHITA; GOLD - WICHITA; CANARY - WAREHOUSE

PLEASE PRESS FIRMLY: YOU ARE MAKING FIVE COPIES



100 South Market, Suite 203, Wichita, KS 67202, 316-264-2814

DELIVERY TICKET

61124

DATE SHIPPED <b>3-28-91</b>	F. O. B.	PREPAID <input type="checkbox"/>	FINAL WELL <input type="checkbox"/>
DELIVERING WAREHOUSE <b>Pratt</b>	WAREHOUSE <input type="checkbox"/>	COLLECT <input type="checkbox"/>	TICKET <input type="checkbox"/>
	WELL SITE <input type="checkbox"/>		

SOLD TO <b>Pratt Well Service</b>	SHIPPED TO <b>Co. Tools</b>	WELL NAME & NO. <b>Dietz Own</b>
ADDRESS	SHIPPED VIA <b>T#30</b>	COUNTY, STATE <b>Pratt</b>
CITY, STATE, ZIP	ORDER NO. <b>11471</b>	SEC <b>5</b> TWN <b>27</b> R <sup>NG</sup> <b>11W</b>

PRODUCT	PACKAGE SIZE	QUANTITY	PRICING UNIT	CODE	UNIT PRICE	AMOUNT
1. Mud-Co-Gel	#		Bag			
2. Salt Clay	<b>50#</b>	<b>50</b>	Bag		<b>7.50</b>	
3. Sea Mud	50#		Bag			
4. Mud-Co-Starch	50#		Bag			
5. Lime	50#		Bag			
6. Cotton Seed Hulls	#		Bag			
7. Soda Ash	100#		Bag			
8. Caustic Soda	50#		Bag			
9. _____ Thinner	#		Bag			
10. Preservative	50#		Bag			
11. Drispac	50#		Bag			
12. Mud Seal	40#		Bag			
13. <b>Defoamer</b>	<b>5gal.</b>	<b>1</b>			<b>99.17</b>	
14.						
15.						
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RECEIVED

RECEIVED  
STATE COMMISSION  
NOV 8 1991  
DIVISION

MATERIAL RECEIVED IN GOOD ORDER  <i>Berry Mendelhall</i> DATE RECEIVED	TRANSPORTATION CHARGES			SUB TOTAL	<b>474.17</b>
	TRUCK #	MILEAGE	FROM		
	<b>7000</b>	<b>@ 111</b>	<b>Pratt</b>	<b>77.70</b>	SALES TAX
	@				
PURCHASE AUTHORIZED BY				TRANSPORTATION	<b>77.70</b>
	TOTAL TRANSPORTATION CHARGES			TOTAL	<b>551.87</b>

ROUTING: WHITE - CUSTOMER; BLUE - CUSTOMER RIG; GREEN - WICHITA; GOLD - WICHITA; CANARY - WAREHOUSE

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100 South Market, Suite 203, Wichita, KS 67202, 316-264-2814

# ORIGINAL DELIVERY TICKET

61101

DATE SHIPPED <b>3-21-91</b>	F. O. B. WAREHOUSE <input type="checkbox"/>	PREPAID <input type="checkbox"/>	FINAL WELL <input type="checkbox"/>
DELIVERING WAREHOUSE <b>Pratt</b>	WELL SITE <input type="checkbox"/>	COLLECT <input type="checkbox"/>	

SOLD TO <b>Pratt Well Service</b>	SHIPPED TO <b>Co Tools</b>	WELL NAME & NO. <b>Dietz 0W10</b>
ADDRESS	SHIPPED VIA <b>7-24</b>	COUNTY, STATE <b>Pratt</b>
CITY, STATE, ZIP	ORDER NO. <b>11471</b>	SEC <b>5</b> TWN <b>27</b> RNG <b>11W</b>

PRODUCT	PACKAGE SIZE	QUANTITY	PRICING UNIT	CODE	UNIT PRICE	AMOUNT
1. Mud-Co-Gel	100#	112	Bag		6.39	
2. Salt Clay	50#	50	Bag		7.50	
3. Sea Mud	50#		Bag			
4. Mud-Co-Starch	50#		Bag			
5. Lime	50#		Bag			
6. Cotton Seed Hulls	50#	64	Bag		8.80	
7. Soda Ash	100#	10	Bag		26.49	
8. Caustic Soda	50#		Bag			
9. _____ Thinner	#		Bag			
10. Preservative	50#		Bag			
11. Drispac	50#		Bag			
12. Mud Seal	40#		Bag			
13. <b>Multi Blend</b>	<b>40#</b>	<b>20</b>			17.82	
14.						
15.						
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RECEIVED

RECEIVED  
STATE COMMISSION  
NOV 8 1991  
CONL DIVISION  
Wichita, Kansas

MATERIAL RECEIVED IN GOOD ORDER <b>Duck Fatro 27<sup>th</sup></b>	TRANSPORTATION CHARGES		SUB TOTAL	22163.18
	TRUCK # 18700	MILEAGE @ .81	FROM Pratt	
DATE RECEIVED			SALES TAX	
			TRANSPORTATION	151.47
PURCHASE AUTHORIZED BY	TOTAL TRANSPORTATION CHARGES		TOTAL	2414.65

ROUTING: WHITE - CUSTOMER; BLUE - CUSTOMER RIG; GREEN - WICHITA; GOLD - WICHITA; CANARY - WAREHOUSE

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ORIGINAL

100 South Market, Suite 203, Wichita, KS 67202, 316-264-2814

DELIVERY TICKET

61113

DATE SHIPPED 3-26-91  
DELIVERING WAREHOUSE Pratt

F. O. B. WAREHOUSE   
WELL SITE

PREPAID   
COLLECT

FINAL WELL TICKET

SOLD TO Pratt Well Service  
ADDRESS  
CITY, STATE, ZIP

SHIPPED TO Co Tools  
SHIPPED VIA T#30  
ORDER NO. 11471

WELL NAME & NO. Diets owwo  
COUNTY, STATE Pratt  
SEC 5 TWN 27 RNG 11W

PRODUCT	PACKAGE SIZE	QUANTITY	PRICING UNIT	CODE	UNIT PRICE	AMOUNT
1. Mud-Co-Gel	#		Bag			
2. Salt Clay	#		Bag			
3. Sea Mud	50#		Bag			
4. Mud-Co-Starch	50#		Bag			
5. Lime	50#		Bag			
6. Cotton Seed Hulls	#		Bag			
7. Soda Ash	100#		Bag			
8. Caustic Soda	50#		Bag			
9. Desco Thinner	25#	1	Bag		64.02	
10. Preservative	50#		Bag			
11. Drispac	50#		Bag			
12. Mud Seal	40#		Bag			
13. Bicarb of Soda	50#	2			40.72	
14. P.I.O.L	56AL	2	CANS		126.55	
15.						
16.						
17.						
18.						
19.						
20.						
21.						
22.						
23.						
24.						

RECEIVED  
STATE CORPORATION COMMISSION  
NOV 8 1991  
CONSERVATION DIVISION  
Wichita, Kansas

MATERIAL RECEIVED IN GOOD ORDER <i>John Lewis</i> DATE RECEIVED	TRANSPORTATION CHARGES			SUB TOTAL	398.56
	TRUCK #	MILEAGE	FROM		
	7000	@ 111	Pratt	77.70	SALES TAX
	@				TRANSPORTATION
PURCHASE AUTHORIZED BY	TOTAL TRANSPORTATION CHARGES			TOTAL	476.26

ROUTING: WHITE - CUSTOMER; BLUE - CUSTOMER RIG; GREEN - WICHITA; GOLD - WICHITA; CANARY - WAREHOUSE

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# MUD-LOG INC. ORIGINAL

100 South Market, Suite 203, Wichita, KS 67202, 316-264-2814

DRILLING MUD REPORT

REPORT NO. \_\_\_\_\_

DATE: \_\_\_\_\_ 19\_\_\_\_ DEPTH: \_\_\_\_\_

API WELL NO.	STATE	COUNTY	WELL	S/T

OPERATOR <i>Pratt Well Service</i>	CONTRACTOR <i>Pratt Well Service</i>	RIG NO.
ADDRESS	ADDRESS	SPUD DATE
REPORT FOR MR.	REPORT FOR MR.	SECTION TOWNSHIP, RANGE <i>5-27 11</i>

WELL NAME AND NO. <i>Diets OWWO</i>	FIELD OR BLOCK NO.	COUNTY <i>Pratt</i>	STATE
OPERATION PRESENT ACTIVITY	CASING SURFACE IN. at _____ FT.	MUD VOLUME (BBL) HOLE PITS	CIRCULATION DATA PUMP SIZE X IN. ANNULAR VEL. (FT./MIN.) OPPOSITE DP
BIT SIZE (IN.) NO.	INTERMEDIATE IN. at _____ FT.	TOTAL CIRCULATING VOLUME	PUMP MAKE MODEL OPPOSITE COLLAR
DRILL PIPE SIZE TYPE	PRODUCTION OR LINER IN. at _____ FT.	IN STORAGE	BBL/STROKE STROKE/MIN CIRCULATING PRESSURE PSI
DRILL COLLAR SIZE LENGTH	MUD TYPE	BBL./MIN.	BOTTOMS UP (MIN.) SYSTEM TOTAL (MIN.)

Sample from <input type="checkbox"/> Flowline <input type="checkbox"/> Pit Flowline Temperature _____ °F	MUD PROPERTIES
Time Sample Taken _____ am _____ pm	
Depth (ft)	
Weight <input type="checkbox"/> (ppg) <input type="checkbox"/> (lb/cu ft)	
Mud Gradient (psi/ft)	
Funnel Viscosity (sec/qt) API at _____ °F	
Plastic Viscosity cp at _____ °F	
Yield Point (lb/100 sq ft)	
Gel Strength (lb/100 sq ft) 10 sec/10 min	<i>/ / /</i>
pH <input type="checkbox"/> Strip <input type="checkbox"/> Meter	
Filtrate API (ml/30 min)	
Cake Thickness 32nd in API <input type="checkbox"/> HP-HT <input type="checkbox"/>	
Alkalinity, Mud (P <sub>m</sub> )	
Alkalinity, Filtrate (P <sub>f</sub> /M <sub>f</sub> )	<i>/ / /</i>
Salt <input type="checkbox"/> ppm <input type="checkbox"/> gpg Chloride <input type="checkbox"/> ppm <input type="checkbox"/> gpg	
Calcium <input type="checkbox"/> ppm <input type="checkbox"/> Gyp (ppb)	
Sand Content (% by Vol)	
Solids Content (% by Vol)	
Oil Content (% by Vol)	
Water Content (% by Vol)	
L.C.M. #/bbl	CONSERVATION DIVISION Wichita, Kansas
Preservative #/bbl	
<i>Praton 2 1/2 South</i>	
<i>E into Kenn Gate</i>	

DAILY COST	CUMULATIVE COST
MUD PROPERTIES SPECIFICATIONS	
WEIGHT	VISCOSITY
FILTRATE	
BY AUTHORITY <input type="checkbox"/> OPERATOR'S WRITTEN <input type="checkbox"/> DRILLING CONTRACTOR <input type="checkbox"/> OPERATOR'S REPRESENTATIVE <input type="checkbox"/> OTHER	

**MATERIALS RECOMMENDED**

- ① Drill cement Plugs with water
- ② Add 80 bbl tank of premix at 700  

Water 80 bbl	Add over 1 hr.
Soda Ash 1	
Premium Gel 25	
Hulls 10	
- ③ Suggest these Viscosities

800 - 2000	-	27-30 vis
2000 - 3000	-	29-31 vis
3000 - 3500	-	30-32 vis
3500 - 4000	-	34-38
4000' to TD	-	36-40
- ④ Use this mixture in premix as needed for vis  

Water 80 bbl	} ⑤ Hulls if needed
Soda Ash 1	
Premium Gel 25	

DATE	MUD ON HAND/USED
<i>11/2</i>	Premium Gel
<i>50</i>	Salt Clay
	Starch
	Lime
<i>64</i>	C/S Hulls
<i>10</i>	Soda Ash
	Caustic Soda
	C.L.S. Super Lig
	Preservative
	Drispac
	Mud Seal
	Multi Seal Blend

§ THE RECOMMENDATIONS MADE HEREON SHALL NOT BE CONSTRUED AS AUTHORIZING THE INFRINGEMENT OF ANY VALID PATENT, AND ARE MADE WITHOUT ASSUMPTION OF ANY LIABILITY BY MUD-CO., INC. OR ITS AGENTS, AND ARE STATEMENTS OF OPINION ONLY.

REPRESENTATIVE <i>Gary Talbott</i>	HOME ADDRESS <i>Iuka</i>	TELEPHONE <i>546-2484</i>
Great Bend Answering Service 316/793-7957	WAREHOUSE LOCATION	TELEPHONE <i>672-2957</i>

Ans Service 793-7957





DISTRICT PRATT KANSAS ORIGINAL DATE 3-29-91

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

WELL NO. 1 LEASE DIETZ SEC. \_\_\_\_\_ TWP. \_\_\_\_\_ RANGE \_\_\_\_\_  
 FIELD \_\_\_\_\_ COUNTY PRATT STATE KS 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 <u>4081</u>	MUD WEIGHT						
BORE HOLE <u>7 7/8</u>							
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							
PERFORATIONS							
PERFORATIONS							

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

TREATMENT INSTRUCTIONS: TREAT THRU TUBING  ANNULUS  CASING  TUBING/ANNULUS  HYDRAULIC HORSEPOWER ORDERED  
CONCENT 5 1/2 LONG STROKE AS FOLLOWS: 7000 GAL 20% H<sub>2</sub>O SPACER (SALT), 5000 GAL FRESH H<sub>2</sub>O SPACER, 12000 GAL SPACER, 5000 GAL FRESH H<sub>2</sub>O SPACER, MIX & PUMP 125 SACS 50/50 H<sub>2</sub>O, 18% SALT, 2750 CER-3, 50 GIL SPACER, 48 RE PLACE.

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 NAME OF CUSTOMER'S AGENT.

SIGNED [Signature] CUSTOMER  
 DATE 3-29-91

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.

TIME \_\_\_\_\_ A.M. (P.M.)

CUSTOMER

**JOB LOG**

WELL NO. \_\_\_\_\_ LEASE D1E72

TICKET NO. 041517

CUSTOMER PHAT WELL SERVICE

PAGE NO. \_\_\_\_\_

JOB TYPE 5% Loss Circulation ORIGINAL

DATE 2-29-91

FORM 2013 R-2

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1000							Called out 5:40 1200
	1245							and loc - w/ float equipment
	1225							Start Pumping To Hole
	1730							Check to Hole - Drop Ball
	1740							Wash To Top of well
								Break Circulation
								Finish Circulation
								Wash to bottom
								Cement as follows:
	1759	5.0	20.0	-	-		500	Run 500 ft Packer
		5.0	3.0	-	-		500	Pump Head Spacer (E-311)
		5.0	12.0	-	-		500	Pump Superflush
		5.0	5.0	-	-		500	Pump Head Spacer
	1808	5.0	0	-	-		350	Start Mixing Cement
	1814	5.0	31.6	-	-		500	Finish Mixing Cement
								Wash out pump & lines
								Release Plug
	1817	6.0	0	-	-		500	Start Displacement
	1833	6.0	99.0	-	-		1000	Plug Down
	1915							Job Complete

*Thank you  
C. J. [Signature]  
Davis*

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Wichita, Kansas

CUSTOMER

**WELL DATA**

FIELD \_\_\_\_\_ SEC \_\_\_\_\_ TWP \_\_\_\_\_ RNG \_\_\_\_\_ COUNTY Paris 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 4081

	WEIGHT USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
CASING	0	11.0	5 1/2	KS	4080	
LINEAR TUBING						
OPEN HOLE						SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

**JOB DATA**

**TOOLS AND ACCESSORIES**

TYPE AND SIZE	QTY.	MAKE
FLOAT COLLAR		
FLOAT SHOE <u>HTB 5 1/2</u>	1	<u>Hobas</u>
GUIDE SHOE <u>HTB</u>	1	"
CENTRALIZERS <u>S-4</u>	3	"
BOTTOM PLUG		
TOP PLUG <u>STW</u>	1	"
HEAD		
PACKER		
OTHER		

CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <u>3-29</u>	DATE <u>3-29</u>	DATE <u>3-29</u>	DATE <u>3-29</u>
TIME <u>1000</u>	TIME <u>1245</u>	TIME <u>1759</u>	TIME <u>1915</u>

**PERSONNEL AND SERVICE UNITS**

NAME	UNIT NO. & TYPE	LOCATION
<u>D. Ficker</u>	<u>C1690</u>	<u>PARIAK (P)</u>
<u>D. King</u>	<u>B6433</u>	<u>Paris KS</u>
<u>B. F. Lico</u>	<u>NDSS</u>	<u>Bulk Truck 2652-6605</u>
		<u>GE. BIRD K</u>

**MATERIALS**

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

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

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

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

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

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

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

SURFACTANT TYPE \_\_\_\_\_ GAL \_\_\_\_\_ IN \_\_\_\_\_

NE AGENT TYPE \_\_\_\_\_ GAL \_\_\_\_\_ IN \_\_\_\_\_

FLUID LOSS ADD. TYPE \_\_\_\_\_ GAL-LB. \_\_\_\_\_ IN \_\_\_\_\_

GELLING AGENT TYPE \_\_\_\_\_ GAL-LB. \_\_\_\_\_ IN \_\_\_\_\_

FRIC. RED. AGENT TYPE \_\_\_\_\_ GAL-LB. \_\_\_\_\_ IN \_\_\_\_\_

BREAKER TYPE \_\_\_\_\_ GAL-LB. \_\_\_\_\_ IN \_\_\_\_\_

BLOCKING AGENT TYPE \_\_\_\_\_ GAL-LB. \_\_\_\_\_

PERFRAC BALLS TYPE \_\_\_\_\_ QTY. \_\_\_\_\_

OTHER \_\_\_\_\_

OTHER \_\_\_\_\_

DEPARTMENT CEMENT

DESCRIPTION OF JOB Cement 5 1/2" Production Casing

JOB DONE THRU: TUBING  CASING  ANNULUS  TBG/ANN.

CUSTOMER REPRESENTATIVE X Kenneth C. Galt

HALLIBURTON OPERATOR Doug Taylor COPIES REQUESTED \_\_\_\_\_

**CEMENT DATA**

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT/SK.	MIXED LBS/GAL.
	<u>125</u>	<u>HTB 202</u>	<u>Hobas</u>	<u>B</u>	<u>15% SPT, 2% B. C.F.R. 3, 5" Gravel, 10" Gravel</u>	<u>1.42</u>	<u>14.14</u>

**PRESSURES IN PSI**

**SUMMARY**

**VOLUMES**

CIRCULATING \_\_\_\_\_ DISPLACEMENT \_\_\_\_\_ PRESLUSH: BBL-GAL. 2088 SPT, 5142, 12 BBL SURF. 5382 H2O

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

AVERAGE \_\_\_\_\_ FRACTURE GRADIENT \_\_\_\_\_ TREATMENT: BBL-GAL. \_\_\_\_\_ DISPL: BBL-GAL. 991 2

SHUT-IN: INSTANT \_\_\_\_\_ 5-MIN. \_\_\_\_\_ 15-MIN. \_\_\_\_\_ CEMENT SLURRY: BBL-GAL. 31.6

ORDERED \_\_\_\_\_ AVAILABLE \_\_\_\_\_ USED \_\_\_\_\_ RECEIVED \_\_\_\_\_ TOTAL VOLUME: BBL-GAL. \_\_\_\_\_

TREATING \_\_\_\_\_ DISPL. \_\_\_\_\_ CEMENT LEFT IN PIPE \_\_\_\_\_ OVERALL \_\_\_\_\_

REMARKS SEE Job Log

FEET 72 REASON ALT NOV 8 1991

CONSERVATION DIVISION  
Wichita, Kansas

CUSTOMER

CUSTOMER Wichita State  
LEASE 15372  
WELL NO. 15372  
JOB TYPE 5 1/2" Production  
DATE 3-29-91

ORIGINAL

FORM 1906 R-11

WELL NO. - FARM OR LEASE NAME <i>1 DICTE</i>		COUNTY <i>Now</i>	STATE <i>KS</i>	CITY / OFFSHORE LOCATION	DATE <i>5-24-91</i>
CHARGE TO <i>PROV WELLS SERVICE</i>		OWNER <i>Fine</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>Co. Tulsa</i>		1 LOCATION <i>12th St, KS</i>	CODE <i>25553</i>
CITY, STATE, ZIP		SHIPPED VIA		2 LOCATION <i>12th St, KS</i>	CODE <i>25512</i>
WELL TYPE <i>01</i>		WELL CATEGORY <i>01</i>		3 LOCATION	
TYPE AND PURPOSE OF JOB <i>035</i>		WELL PERMIT NO. <b>B-911985</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>001-114</i>		<i>1</i>		MILEAGE	<i>15</i>	<i>MI</i>	<i>1</i>	<i>300</i>	<i>230</i>	<i>35</i>	<i>00</i>
<i>001-118</i>		<i>1</i>		MILEAGE SUPPLEMENT	<i>15</i>	<i>MI</i>	<i>1</i>	<i>700</i>	<i>415</i>	<i>10</i>	<i>00</i>
<i>001-016</i>		<i>1</i>		ROAD MILEAGE	<i>1090.00</i>	<i>MI</i>	<i>9</i>	<i>145</i>		<i>1200</i>	<i>00</i>
<i>12-1</i>	<i>805-305</i>	<i>1</i>		CONCRETE SHOULDER (REG)	<i>1</i>	<i>EA</i>	<i>5 1/2</i>	<i>10</i>		<i>105</i>	<i>00</i>
<i>24-2</i>	<i>815-1151</i>	<i>1</i>		CONCRETE SHOULDER	<i>1</i>	<i>EA</i>	<i>5 1/2</i>	<i>10</i>		<i>83</i>	<i>00</i>
<i>27</i>	<i>815-1151</i>	<i>1</i>		CONCRETE SHOULDER	<i>1</i>	<i>EA</i>	<i>5 1/2</i>	<i>10</i>		<i>30</i>	<i>00</i>
<i>40</i>	<i>807-1502</i>	<i>1</i>		CONCRETE SHOULDER	<i>1</i>	<i>EA</i>	<i>5 1/2</i>	<i>10</i>	<i>79</i>	<i>116</i>	<i>00</i>
<i>71-217</i>		<i>1</i>		CONCRETE SHOULDER	<i>12</i>	<i>EA</i>	<i>50.00</i>	<i>100</i>	<i>74</i>	<i>897</i>	<i>00</i>
<i>14-468</i>		<i>1</i>		CONCRETE SHOULDER	<i>400</i>	<i>EA</i>		<i>10</i>		<i>4000</i>	<i>00</i>
<i>02-586</i>		<i>1</i>		CONCRETE SHOULDER	<i>1</i>	<i>EA</i>	<i>50.00</i>	<i>100</i>		<i>50</i>	<i>00</i>

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AS PER ATTACHED BULK MATERIAL DELIVERY TICKET NO. **B-911985**

WAS JOB SATISFACTORILY COMPLETED?

WAS OPERATION OF EQUIPMENT SATISFACTORY?

WAS PERFORMANCE OF PERSONNEL SATISFACTORY?

*R. H. C. Martin*  
CUSTOMER OR HIS AGENT (PLEASE PRINT)

*R. H. C. Martin*  
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 WILL BE ADDED ON INVOICE.