

ORIGINAL

SIDE ONE

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

API NO. 15- 185-22,738-0000

County Stafford

100' NW of SW SE SW Sec. 1 Twp. 22 Rge. 14  East West

Operator: License # 03766

380 Ft. North from Southeast Corner of Section

Name: B-7, Inc.

3630 Ft. West from Southeast Corner of Section  
(NOTE: Locate well in section plat below.)

Address 1530 Valleyview Ct.

Wichita, KS 67212

Lease Name HALL Well # 1

City/State/Zip Wichita, KS 67212

Field Name CURTIS WEST

Purchaser: None

Producing Formation None

Operator Contact Person: Joe Brougher, Agent

Elevation: Ground 1925' KB 1936'

Phone (316) 721-5190

Total Depth 3840' PBTD \_\_\_\_\_

Contractor: Name: Turnco Drilling, Inc.

License: 30517

Wellsite Geologist: Todd Morgenstern

Designate Type of Completion

New Well  Re-Entry  Workover

Oil  SWD  Temp. Abd.

Gas  Inj  Delayed Comp.

Dry  Other (Core, Water Supply, etc.)

If OWMO: old well info as follows:

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

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

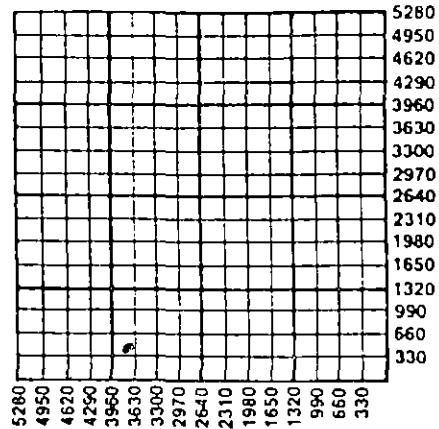
Comp. Date \_\_\_\_\_ Old Total Depth \_\_\_\_\_

Drilling Method:

Mud Rotary  Air Rotary  Cable

11-19-90 11-28-90 11-28-90

Spud Date 11-19-90 Date Reached TD 11-28-90 Completion Date 11-28-90



API DFD

Amount of Surface Pipe Set and Cemented at 454' 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 Joe Brougher  
Title Agent Date 1-7-91

Subscribed and sworn to before me this 7<sup>th</sup> day of January, 1991.

Notary Public Jacquelyn B. Monroe  
Date Commission Expires \_\_\_\_\_

NOTARY PUBLIC-STATE OF KANSAS  
JACQUELYN B. MONROE  
My Appt. Exp. 3-17-91

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) \_\_\_\_\_

**SIDE TWO**

Operator Name B-7, Inc. Lease Name HALL Well # 1  
 Sec. 1 Twp. 22 Rge. 14  East County Stafford  
 West

**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 (Attach Additional Sheets.)  Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No  Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No  Electric Log Run <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (Submit Copy.)	<p style="text-align: center;"><b>Formation Description</b></p> <p style="text-align: center;"><input type="checkbox"/> Log <input type="checkbox"/> Sample</p> <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Name</th> <th style="text-align: left;">Sample</th> <th style="text-align: left;">Top</th> <th style="text-align: left;">Bottom</th> </tr> </thead> <tbody> <tr><td>Anhydrite</td><td>N/A</td><td>801'</td><td>+1135</td></tr> <tr><td>Heebner</td><td>3284'</td><td>3284'</td><td>-1348</td></tr> <tr><td>Toronto</td><td>3308'</td><td>3305'</td><td>-1369</td></tr> <tr><td>Douglas</td><td>3321'</td><td>3322'</td><td>-1386</td></tr> <tr><td>Brown Lime</td><td>3409'</td><td>3412'</td><td>-1476</td></tr> <tr><td>Lansing</td><td>3420'</td><td>3422'</td><td>-1486</td></tr> <tr><td>Base KC</td><td>3640'</td><td>3642'</td><td>-1706</td></tr> <tr><td>Viola</td><td>3673'</td><td>3675'</td><td>-1739</td></tr> <tr><td>Simpson</td><td>3716'</td><td>3719'</td><td>-1783</td></tr> <tr><td>Arbuckle</td><td>3764'</td><td>3769'</td><td>-1833</td></tr> </tbody> </table>	Name	Sample	Top	Bottom	Anhydrite	N/A	801'	+1135	Heebner	3284'	3284'	-1348	Toronto	3308'	3305'	-1369	Douglas	3321'	3322'	-1386	Brown Lime	3409'	3412'	-1476	Lansing	3420'	3422'	-1486	Base KC	3640'	3642'	-1706	Viola	3673'	3675'	-1739	Simpson	3716'	3719'	-1783	Arbuckle	3764'	3769'	-1833
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**CASING RECORD**  T.D.  RTD  New  Used

Report all strings set-conductor, surface, intermediate, production, etc.

Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs./Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
Surface	12 1/4"	8 5/8"	23#	454	60/40Poz	300	2% Gel; 3%A7
					Common	150	2% gel

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

**TUBING RECORD** Size \_\_\_\_\_ Set At \_\_\_\_\_ Packer At \_\_\_\_\_ Liner Run  Yes  No

Date of First Production \_\_\_\_\_ Producing Method  Flowing  Pumping  Gas Lift  Other (Explain) \_\_\_\_\_

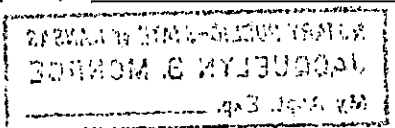
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
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Disposition of Gas:  Vented  Sold  Used on Lease (If vented, submit ACO-18.)

**METHOD OF COMPLETION**

Open Hole  Perforation  Dually Completed  Commingled

Other (Specify) D/A



# ORIGINAL

## FORMATION TOPS:

FORMATION	SAMPLE	LOG	DATUM
ANHYDRITE	N/A	801'	+1135
HEEBNER	3284'	3284'	-1348
TORONTO	3308'	3305'	-1369
DOUGLAS	3321'	3322'	-1386
BROWN LIME	3409'	3412'	-1476
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BASE K.C.	3640'	3642'	-1706
VIOLA	3673'	3675'	-1739
SIMPSON	3716'	3719'	-1783
ARBUCKLE	3764'	3769'	-1833
ROTARY TOTAL DEPTH	3842'	*****	-1904
LOG TOTAL DEPTH	*****	3842'	-1906

## SAMPLE DESCRIPTIONS AND TEST DATA:

(All depths have been corrected to log measurements.)

### LANSING-KANSAS CITY:

- 3422-3430 Limestone, tan, gray and white, very finely crystalline, fossiliferous, slightly oolitic, chalky, with fair intercrystalline and fossiliferous porosity, no shows of oil were noted.
- 3442-3446 Limestone, gray and white, finely crystalline, slightly fossiliferous, chalky, with fair intercrystalline and fossiliferous porosity, slight show of dead oil, rare staining.
- 3464-3470 Limestone, white and gray, finely crystalline, fossiliferous, very chalky, no shows of oil were noted.

# ORIGINAL

## LANSING-KANSAS CITY: (Cont.)

- 3490-3498 Limestone, gray, light gray and white, finely crystalline, slightly fossiliferous, oolitic, chalky, no shows of oil noted.
- 3582-3588 Limestone, white and light gray, very finely crystalline, slightly dense, fossiliferous, oolitic and oolitic, with fair oolitic porosity, chalky, very slight spotted stain, very slight show of free oil, no odor.
- 3602-3608 Limestone, white and gray, finely crystalline, slightly dense, fossiliferous, some rare pinpoint porosity, chalky, rare spotted stain and saturation, very slight show of free oil, no odor.
- 3631-3636 Limestone, gray and white, finely crystalline, dense, very chalky, with rare scattered staining, no shows of oil were noted, no odor.

## VIOLA

- 3675-3686 Limestone, white, cream and gray, dense, cherty, mostly fresh, with rare fractured staining, no shows of oil were noted.
- 3687-3718 Chert, white, cream and bone, mostly fresh fractured, slightly weathered, with fair fractured staining, show of free oil, light odor.

## ARBUCKLE

- 3769-3773 Dolomite, gray and tan, very finely crystalline, slightly oolitic and oolitic, with fair inter-crystalline porosity, very slight show of free oil, light odor. (Covered by D.S.T. No. 1)

## FORMATION TEST NO. 1

3768-3773

Weak blow	45 min.	I.H.P.	2017#
		I.F.P.	30#-30#
Weak blow	45 min.	I.S.I.P.	837#
	45 min.	F.F.P.	36#-38#
	45 min.	F.S.I.P.	Invalid
		F.H.P.	1983#

RECOVERY: 60' slightly oil cut mud.

TEMPERATURE: 109°

# ORIGINAL

ARBUCKLE: (Cont.)

3774-3778 Dolomite, tan and gray, finely crystalline, slightly rhombic, with fair intercrystalline and pinpoint vugular porosity, slightly oolitic and oolitic, good dark staining and saturation, good show of dark, heavy, free oil, fair odor. (Covered by D.S.T No. 2)

FORMATION TEST NO. 2

3772-3778

Weak blow	45 min.	I.H.P.	2010#
		I.F.P.	30#-30#
Weak blow	45 min.	I.S.I.P.	787#
	45 min.	F.F.P.	Clocks Stopped
	45 min.	F.S.I.P.	Clocks Stopped
		F.H.P.	1986#

RECOVERY: 100' water cut mud. (20% water, 80% mud)

CHLORIDES: 22,000 P.P.M.

TEMPERATURE: 110°

3779-3788 Dolomite, tan and white, fine to medium crystalline, rhombic, with fair to good intercrystalline and pinpoint vugular porosity, fair to good dark staining and saturation, good show of heavy, dark free oil, fair odor. (Covered by D.S.T. No. 3)

FORMATION TEST NO. 3

3778-3788

Good blow	45 min.	I.H.P.	2007#
		I.F.P.	80#-160#
Fair blow	45 min.	I.S.I.P.	1067#
	45 min.	F.F.P.	160#-184#
	45 min.	F.S.I.P.	1017#
		F.H.P.	1981#

RECOVERY: 180' muddy water.  
180' water.

CHLORIDES: 22,000 P.P.M.

TEMPERATURE: 115°

3793-3798 Dolomite, white and gray, fine to medium crystalline, rhombic, with good intercrystalline porosity, rare spotted staining, no shows of free oil were noted, no odor.

ARBUCKLE: (Cont.)

3803-3812 Dolomite, as above, chalky, with no shows of oil noted.





P.O. Box 4442  
Houston, Tx. 77210.

CUSTOMER COPY

ORIGINAL

SERVICE OPERATIONS CONTRACT  
TERMS NET 30 DAYS FROM DATE OF CONTRACT

REMIT TO: P.O. Box 100806, Houston, Tx. 77212

DATE 11-19-20 SERVICE CONTRACT NO. **635611**

CUSTOMER ACCOUNT NO.		DIST NAME <u>W.F. Bond</u>		NEW WELL <input type="checkbox"/>	WELL TYPE <u>0</u>	JOB NUMBER	
CUSTOMER <u>B-7 Dnc</u>		DIST NUMBER <u>3310</u>		WELL NO. <u>#1</u>	LEASE NAME & FEDERAL OFFSHORE LEASE NO. <u>Hull</u>		
ADDRESS				COUNTY/PARISH <u>Starr</u>	CODE <u>009</u>	STATE <u>Ka</u>	CODE <u>14</u>
CITY		STATE	ZIP	FIELD NAME <u>K-194281 3' SW N1S</u>		CITY CODE	
AUTHORIZED BY: (Please, Print)			ORDER NO.	WELL OWNER		MTA CODE	
STAGE NO.	JOB CODE <u>100</u>	WORKING DEPTH <u>454</u> FT		PUMPING EQUIPMENT		TIME (A OR P)	DATE
TOTAL PREV. GALS.		1 SURFACE <input type="checkbox"/> 2 INTERMEDIATE <input type="checkbox"/> 3 PRODUCTION <input type="checkbox"/> 4 REMEDIAL <input type="checkbox"/>		TRUCK CALLED		<u>4:30 A</u>	<u>MM DD YY</u> <u>11 20 19 20</u>
TOTAL MEAS. DEPTH		SIZE HOLE <u>12 1/4</u> DEPTH FT		ARRIVED AT JOB		<u>16:30 A</u>	
FT.		SIZE & WT. CASING <u>8 5/8</u> DEPTH FT		START OPERATION		<u>8:30 A</u>	
PRESSURE		SIZE & WT. DRILL PIPE OR TUBING DEPTH FT		FINISH OPERATION		<u>19:15 A</u>	<u>11 12 10 19 20</u>
AVG. PSI		PACKER DEPTH		TIME RELEASED		<u>11:45 A</u>	
MAX. PSI		FLUID PUMPED		MILES FROM STATION TO WELL <u>36</u>		SALESMAN NUMBER	
CUSTOMER INSTRUCTIONS FOR DISPOSAL OF RETURNED CEMENT							
MAX. BPM							
S/S EMPLOYEE NUMBER							
<u>62-8498</u>							

REMARKS

CONTRACT CONDITIONS: (This contract must be signed before the job is commenced or merchandise is delivered)  
The undersigned is authorized to execute this contract as an agent of the customer. As such, the undersigned agrees and acknowledges that this contract for services, materials, products, and/or supplies includes all of and only those terms and conditions appearing on the front and back of this document. No additional or substitute terms and/or conditions shall become a part of this contract without the written consent of an officer of BJ SERVICES.

SIGNED: Richard D. Gomez  
(WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

PRICE BOOK	PRICE BOOK REF. NO.	QUANTITY	DESCRIPTION	UNIT PRICE	U/M	PRICE EXTENSION
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						

OVER

CONCRETE  
VIGOR

SERVICE REPRESENTATIVE Mike St... THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY:

CHECK IF CONTINUATION IS USED (WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

CUSTOMER: This is not an invoice - This Service Operations Contract is subject to review and correction by our Accounting Department.

# CJ SERVICES TERMS AND CONDITIONS

EFFECTIVE 01/1/86

**DISC:** Terms and conditions of service are contained in the attached document. A copy will be made available to you upon request. This document is subject to the terms and conditions of the contract between the parties. The contract is subject to the terms and conditions of the contract between the parties.

**TAXES:** All prices are quoted exclusive of any applicable taxes. The customer is responsible for the payment of any taxes required to be paid by the customer. The customer is responsible for the payment of any taxes required to be paid by the customer.

**CREDIT:** Unless otherwise specified, credit has been established, cash payment will be made in advance.

**LOWING CHARGES:** We will make reasonable attempts to get to you if you are unable to pay. Should you be unable to pay, we will contact you to discuss the situation. We will not be held responsible for any loss of property or damage to property caused by the customer or the customer's employees.

**PERSONAL USE:** This document is for personal use only. It is not to be used for any other purpose. It is not to be used for any other purpose. It is not to be used for any other purpose.

**INFORMATION:** We will provide you with the information you need to make an informed decision. We will provide you with the information you need to make an informed decision. We will provide you with the information you need to make an informed decision.

**SERVICE POLICY:** We are committed to providing you with the highest quality of service. We are committed to providing you with the highest quality of service. We are committed to providing you with the highest quality of service.

**WARRANTY:** We warrant that the goods and services provided are as described. We warrant that the goods and services provided are as described. We warrant that the goods and services provided are as described.

**FORCE MAJEURE:** In the event of a force majeure event, we will not be held responsible for any delay or non-performance. In the event of a force majeure event, we will not be held responsible for any delay or non-performance. In the event of a force majeure event, we will not be held responsible for any delay or non-performance.

**ASSIGNMENT:** This contract may not be assigned without the written consent of the other party. This contract may not be assigned without the written consent of the other party. This contract may not be assigned without the written consent of the other party.

**ENTIRE AGREEMENT:** This document constitutes the entire agreement between the parties. This document constitutes the entire agreement between the parties. This document constitutes the entire agreement between the parties.

**SEVERABILITY:** If any provision of this document is found to be unenforceable, the remaining provisions shall remain in effect. If any provision of this document is found to be unenforceable, the remaining provisions shall remain in effect. If any provision of this document is found to be unenforceable, the remaining provisions shall remain in effect.

**GOVERNING LAW:** This document shall be governed by the laws of the State of California. This document shall be governed by the laws of the State of California. This document shall be governed by the laws of the State of California.

**NOTICE:** Notice of any change in terms and conditions shall be provided to you in writing. Notice of any change in terms and conditions shall be provided to you in writing. Notice of any change in terms and conditions shall be provided to you in writing.

**CONTACT:** For more information, please contact us at [phone number]. For more information, please contact us at [phone number]. For more information, please contact us at [phone number].





A Baker Hughes company

CUSTOMER COPY

ORIGINAL

SERVICE OPERATIONS CONTRACT CONTINUATION

CONTRACT NO. 635611

DATE OF JOB	MM DD YY	DISTRICT	DIST. NO.	AUTHORIZED BY
	11 20 90	W Bend	3310	
CUSTOMER				
B-7 Inc				

PRICE BOOK	PRICE BOOK REF. NO.	QUANTITY	DESCRIPTION	UNIT PRICE	CUM	PRICE EXTENSION
	10110101304	1	Price of job	480.00	Set up	480.00
	1011090105	18	PTM	2.35	W/way	42.30
	104105014	330	Common	5.35	44	1765.50
	10415018	120	permist	2.79	41	334.80
	104150149	1197	A-7	.46	lb	550.62
	10420145	798	gal	.13	lb	103.74
	10940101	3690	Hauling (18x20.5)	.75	1000	276.75
	10880101	450	Handling & Dumping	1.10	cu ft	495.00
	10431036	1	8 1/2 W/C Plug	60.00	ea.	60.00
						4108.71
			Discount			
			Fuel surcharge	2.5%		

SERVICE REPRESENTATIVE	THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY:
------------------------	---

CHECK IF CONTINUATION IS USED (WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

CUSTOMER: This is not an invoice - This Service Operations Contract is subject to review and correction by our Accounting Department.

THE UNIVERSITY OF CHICAGO

PHYSICS DEPARTMENT

Dear Sir:

I have the pleasure to inform you that your application for admission to the Ph.D. program in Physics has been reviewed and approved by the Department. You are invited to join the University of Chicago in the fall of 1968.

The following information is provided for your reference:

- 1. You will be admitted as a regular student.
- 2. Your tuition and fees will be covered by the University.
- 3. A stipend will be provided for your support during the first year.
- 4. You will be assigned to a faculty advisor.

Please contact the Department Office at the University of Chicago, 5712 South Ellis Avenue, Chicago, Illinois 60637, for further details and to arrange for your admission.

Sincerely,  
The Department of Physics



P.O. Box 4442  
Houston, Texas 77210

# CEMENTING LOG

STAGE NO. \_\_\_\_\_

Date 11-20-90 District 9th Bend Ticket No. 635612  
 Company B-7 Dine Rig \_\_\_\_\_  
 Lease H-00 Well No. 21  
 County Stassanup State Ks  
 Location K-190081 32w Field \_\_\_\_\_

CASING DATA: PTA  Squeeze   
 Surface  Intermediate  Production  Liner   
 Size 8 5/8 Type \_\_\_\_\_ Weight 23 Collar \_\_\_\_\_

Casing Depths: Top \_\_\_\_\_ Bottom \_\_\_\_\_

Drill Pipe: Size \_\_\_\_\_ Weight \_\_\_\_\_ Collars \_\_\_\_\_  
 Open Hole: Size \_\_\_\_\_ T.D. \_\_\_\_\_ ft P.B. to \_\_\_\_\_ ft

CAPACITY FACTORS:  
 Casing: Bbls/Lin. ft. .0637 Lin. ft./Bbl. 15.9  
 Open Holes: Bbls/Lin. ft. \_\_\_\_\_ Lin. ft./Bbl. \_\_\_\_\_  
 Drill Pipe: Bbls/Lin. ft. \_\_\_\_\_ Lin. ft./Bbl. \_\_\_\_\_  
 Annulus: Bbls/Lin. ft. \_\_\_\_\_ Lin. ft./Bbl. \_\_\_\_\_  
 Bbls/Lin. ft. \_\_\_\_\_ Lin. ft./Bbl. \_\_\_\_\_  
 Perforations: From \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Amt. \_\_\_\_\_

**CEMENT DATA:**

Spacer Type: \_\_\_\_\_  
 Amt. \_\_\_\_\_ Sks Yield \_\_\_\_\_ ft<sup>3</sup>/sk Density \_\_\_\_\_ PPG

LEAD: Pump Time \_\_\_\_\_ hrs. Type \_\_\_\_\_  
60/40 342 Excess \_\_\_\_\_  
 Amt. 300 Sks Yield 1.242 ft<sup>3</sup>/sk Density 14.8 PPG

TAIL: Pump Time \_\_\_\_\_ hrs. Type \_\_\_\_\_  
 Excess \_\_\_\_\_

Amt. \_\_\_\_\_ Sks Yield \_\_\_\_\_ ft<sup>3</sup>/sk Density 14.0 PPG

WATER: Lead 5.6 gals/sk Tail X gals/sk Total 25.6 Bbls.

Pump Trucks Used 30

Bulk Equip. 54212

Float Equip: Manufacturer \_\_\_\_\_

Shoe: Type \_\_\_\_\_ Depth \_\_\_\_\_

Float: Type \_\_\_\_\_ Depth \_\_\_\_\_

Centralizers: Quantity \_\_\_\_\_ Plugs Top \_\_\_\_\_ Btm. \_\_\_\_\_

Stage Collars \_\_\_\_\_

Special Equip. \_\_\_\_\_

Disp. Fluid Type H 20 Amt. 276 Bbls. Weight 8.34 PPG

Mud Type \_\_\_\_\_ Weight \_\_\_\_\_ PPG

COMPANY REPRESENTATIVE \_\_\_\_\_

CEMENTER Mike Plas

TIME AM/PM	PRESSURES PSI		FLUID PUMPED DATA			REMARKS
	DRILL PIPE CASING	ANNULUS	TOTAL FLUID	Pumped Per Time Period	RATE Bbls Min.	
						Ran 11 jobs of 8 5/8 casing to 454'
						Cemented with 300 sks of 60/40 per unit
						29 gals 30 bbl. Pumped plug to 434'
						Mixed 150 sks common 39.1 wt & 20 gals of
						from 150' to 454'
						Cement did not circulate.
						<u>Flavin</u>



P.O. Box 4442  
Houston, Tx. 77210

**SERVICE OPERATIONS CONTRACT**  
TERMS NET 30 DAYS FROM DATE OF CONTRACT

REMIT TO: P.O. Box 100806, Houston, Tx. 77212

DATE: 11-25-70  
SERVICE CONTRACT NO. 635635

CUSTOMER ACCOUNT NO.		DIST. NAME OKR END		NEW WELL <input checked="" type="checkbox"/>	WELL TYPE 0	JOB NUMBER	
CUSTOMER B-7 Live		DIST. NUMBER 5340		WELL NO.	LEASE NAME & FEDERAL OFFSHORE LEASE NO. WALL		
ADDRESS				COUNTY PARISH STAFFORD	CODE	STATE TX	CODE
CITY MICKITA		STATE KS	ZIP	FIELD NAME		CITY CODE	
AUTHORIZED BY: (Please Print)			ORDER NO.	WELL OWNER			MTA CODE
STAGE NO.	JOB CODE NOA	WORKING DEPTH 3800' FT		PUMPING EQUIPMENT		TIME (A OR P)	DATE
TOTAL PREV. GALS.	1 SURFACE <input type="checkbox"/> 2 INTERMEDIATE <input type="checkbox"/> 3 PRODUCTION <input type="checkbox"/> 4 REMEDIAL <input type="checkbox"/>			TRUCK CALLED	4:30 PM		MM 28 1970
TOTAL MEAS. DEPTH	SIZE HOLE		DEPTH	ARRIVED AT JOB	5:00 PM		
FT.	SIZE & WT. CASING		DEPTH	START OPERATION	6:30 PM		
	SIZE & WT. DRILL PIPE OR TUBING		DEPTH	FINISH OPERATION			
	PACKER DEPTH		FLUID PUMPED	TIME RELEASED			
AVG. PSI		MAX. PSI		MILES FROM STATION TO WELL	36		SALESMAN NUMBER
CUSTOMER INSTRUCTIONS FOR DISPOSAL OF RETURNED CEMENT							
MAX. BPM							
S/S EMPLOYEE NUMBER 40-866							

REMARKS

**CONTRACT CONDITIONS:** (This contract must be signed before the job is commenced or merchandise is delivered)  
The undersigned is authorized to execute this contract as an agent of the customer. As such, the undersigned agrees and acknowledges that this contract for services, materials, products, and/or supplies includes all of and only those terms and conditions appearing on the front and back of this document. No additional or substitute terms and/or conditions shall become a part of this contract without the written consent of an officer of BJ SERVICES.

PRICE BOOK	PRICE BOOK REF. NO.	QUANTITY	DESCRIPTION	UNIT PRICE	UNIT	PRICE EXTENSION
	1		PAIR OF HOES	650.00	PR	650.00
	10-109005	18	PUMP TANK MILEAGE	2.35	MILE	42.30
	10410504	105	COM	5.35	SK	561.75
	10415013	70	FOR	2.79	SK	203.00
	10420145	903	GEL	.13	LB	117.39
	10422008	50	CELLULOSE FIBER	1.27	LB	60.50
	10880001	175	MIX	1.10	CU	192.50
	10940101	140	FRAMING 8.0 AMP	.75	TOOL	108.00
						1935.44

SERVICE REPRESENTATIVE: [Signature]  
THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: [Signature]

CHECK IF CONTINUATION IS USED (WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)  
CUSTOMER: This is not an invoice - This Service Operations Contract is subject to review and correction by our Accounting Department.

# BJ SERVICES TERMS AND CONDITION

EFFECTIVE: 04/15/86

**TERMS.** Terms of payment for all services and materials including bulk cement are net price. All unpaid bills are subject to maximum legal interest rate, per annum, beginning 30 days after invoice date. In the event that Customer's account with BJ Services becomes delinquent, BJ Services has the right to reinstate any and all discounts applied in arriving at net invoice price; such amounts will likewise become due and owing and subject to collection.

**TAXES.** All prices are exclusive of any Federal, State or Special Taxes for the sale or use of merchandise or service listed. The amount of taxes required to be paid by the seller shall be added to the quoted prices payable by the buyer.

**CREDIT.** Unless satisfactory credit has been established, cash payment will be required in advance.

**TOWING CHARGES.** We will make reasonable attempt to get to and from the well under our own power. Should we be unable to do so because of poor or inadequate road conditions, and it becomes necessary to employ a tractor or other pulling equipment, such equipment will be supplied by the customer, or if furnished by us, the cost will be charged to the customer.

**SPECIAL PROVISIONS.** If a material service is ordered and the customer collects same after the materials have been prepared, a charge will be made to the customer for expenses incurred.

All material prices are subject to change without notice.

In connection with services performed that require payment of any applicable royalty or license fee, such royalty or license fee will be billed to the customer in addition to the price of any services performed by BJ Services.

**SERVICE CONDITIONS.** We carry public liability and property damage insurance, but as there are so many uncertain and unknown conditions not subject to our control, we can not be held liable for injuries to property or persons nor for loss or damage arising from the performance of our services or resulting therefrom.

1. The Company shall not be liable or responsible for, and a customer shall defend, indemnify and hold BJ Services harmless, and its officers, agents or employees, from and against any and all claims or causes of action for damage to customer's property and of the well owner, or any third person, and for bodily injury, sickness or disease, including death resulting therefrom, through negligence or fault of customer, the well owner, or any third person arising out of, or in connection with, BJ Services performance of services that consist of, or include, production and supplies, unless caused by the willful misconduct or gross negligence of BJ Services.

2. Customer shall also be responsible to defend, indemnify and hold BJ Services harmless, and its officers, agents or employees, from and against any and all claims or causes of action for damage to customer's property and of the well owner, or any third person, and for bodily injury, sickness or disease, including death resulting therefrom, through negligence or fault of customer, the well owner, or any third person arising out of, or in connection with, BJ Services performance of services that consist of, or include, production and supplies, unless caused by the willful misconduct or gross negligence of BJ Services.

3. BJ Services shall not be responsible for, and a customer shall defend, indemnify and hold BJ Services harmless, and its officers, agents or employees, from and against any and all claims or causes of action for damage to customer's property and of the well owner, or any third person, and for bodily injury, sickness or disease, including death resulting therefrom, through negligence or fault of customer, the well owner, or any third person arising out of, or in connection with, BJ Services performance of services that consist of, or include, production and supplies, unless caused by the willful misconduct or gross negligence of BJ Services.

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10. BJ Services shall not be responsible for, and a customer shall defend, indemnify and hold BJ Services harmless, and its officers, agents or employees, from and against any and all claims or causes of action for damage to customer's property and of the well owner, or any third person, and for bodily injury, sickness or disease, including death resulting therefrom, through negligence or fault of customer, the well owner, or any third person arising out of, or in connection with, BJ Services performance of services that consist of, or include, production and supplies, unless caused by the willful misconduct or gross negligence of BJ Services.

**WARRANTY FROM DEFECTS.** BJ Services warrants that its services and materials are free from defects in material and workmanship at the time of delivery. BJ Services shall not be responsible for, and a customer shall defend, indemnify and hold BJ Services harmless, and its officers, agents or employees, from and against any and all claims or causes of action for damage to customer's property and of the well owner, or any third person, and for bodily injury, sickness or disease, including death resulting therefrom, through negligence or fault of customer, the well owner, or any third person arising out of, or in connection with, BJ Services performance of services that consist of, or include, production and supplies, unless caused by the willful misconduct or gross negligence of BJ Services.

# BJ-TITAN SERVICES

P.O. BOX 4442 HOUSTON, TX 77210

# CEMENTING LOG

STAGE NO.

Date 11-28-90 District 3310 Ticket No. 635635  
 Company B-7 INC Rig \_\_\_\_\_  
 Lease HALL Well No. #1  
 County STAFFORD State KS  
 Location K-19-281 Field \_\_\_\_\_  
3 1/2" W N/S

CASING DATA: PTA  Squeeze   
 Surface  Intermediate  Production  Liner   
 Size \_\_\_\_\_ Type \_\_\_\_\_ Weight \_\_\_\_\_ Collar \_\_\_\_\_

Casing Depths: Top \_\_\_\_\_ Bottom \_\_\_\_\_

Drill Pipe: Size \_\_\_\_\_ Weight \_\_\_\_\_ Collars \_\_\_\_\_  
 Open Hole: Size \_\_\_\_\_ T.D. \_\_\_\_\_ ft P B to \_\_\_\_\_ ft

**CAPACITY FACTORS.**

Casing: Bbbls/Lin. ft \_\_\_\_\_ Lin ft /Bbl \_\_\_\_\_  
 Open Holes: Bbbls/Lin. ft \_\_\_\_\_ Lin ft /Bbl \_\_\_\_\_  
 Drill Pipe: Bbbls/Lin. ft \_\_\_\_\_ Lin ft /Bbl \_\_\_\_\_  
 Annulus: Bbbls/Lin. ft \_\_\_\_\_ Lin ft /Bbl \_\_\_\_\_  
 Bbbls/Lin. ft \_\_\_\_\_ Lin ft /Bbl \_\_\_\_\_  
 Perforations From \_\_\_\_\_ ft to \_\_\_\_\_ ft Amt \_\_\_\_\_

**CEMENT DATA:**

Spacer Type: \_\_\_\_\_  
 Amt. \_\_\_\_\_ Skys Yield \_\_\_\_\_ ft<sup>3</sup>/sk Density \_\_\_\_\_ PPG

LEAD: Pump Time \_\_\_\_\_ hrs. Type \_\_\_\_\_  
 Excess \_\_\_\_\_

Amt. \_\_\_\_\_ Skys Yield \_\_\_\_\_ ft<sup>3</sup>/sk Density \_\_\_\_\_ PPG

TAIL: Pump Time \_\_\_\_\_ hrs. Type \_\_\_\_\_

Amt. 175 Skys Yield 1.53 ft<sup>3</sup>/sk Density 1320 PPG

WATER: Lead \_\_\_\_\_ gals/sk Tail \_\_\_\_\_ gals/sk Total \_\_\_\_\_ Bbls.

Pump Trucks Used 354-2578-6277 - MIKE  
 Bulk Equip 5377 - RANAY

Float Equip Manufacturer \_\_\_\_\_

Shoe Type \_\_\_\_\_ Depth \_\_\_\_\_

Float. Type \_\_\_\_\_ Depth \_\_\_\_\_

Centralizers: Quantity \_\_\_\_\_ Plugs Top \_\_\_\_\_ Btm \_\_\_\_\_

Stage Collars \_\_\_\_\_

Special Equip \_\_\_\_\_

Disp Fluid Type \_\_\_\_\_ Amt. \_\_\_\_\_ Bbls. Weight \_\_\_\_\_ PPG

Mud Type \_\_\_\_\_ Weight \_\_\_\_\_ PPG

COMPANY REPRESENTATIVE RICHARD SAMORA.

CEMENTER Hammer

TIME AM/PM	PRESSURES PSI		FLUID PUMPED DATA			REMARKS
	DRILL PIPE CASING	ANNULUS	TOTAL FLUID	Pumped Per Time Period	RATE Bbls Min	
						40 SKS 3800' - 7
						50 SKS - 810' - 9
						50 SKS - 480' 9
						10 SK - 40' - TO SURF.
						15 SKS IN RAD HOLE
						10 SKS IN MOUSE HOLE
						TOTAL MATERIAL
						175 SKS 60% POZ 610 GEL
						1/4" CELL FLAKE PER SK

*THANK YOU!!*

FINAL DISP. PRESS: \_\_\_\_\_ PSI BUMP PLUG TO \_\_\_\_\_ PSI BLEEDBACK \_\_\_\_\_ BBLs. THANK YOU

Form No. SR 0502 (Rev. 7/85)  
 Note: Must accompany job ticket.

JOB NUMBER	CONTRACT NUMBER	DATE <b>11-19-90</b>	DISTRICT NAME
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CUSTOMER NAME AND ADDRESS  <b>B-7 Inc</b>	DIRECT SHIPMENT FROM VENDOR NAME
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Item No.	Part Number	Description	UNIT OF MEASURE	AMOUNT LOADED	DIRECT SHIPPED	AMOUNT RETURNED
1						
2		<b>54212</b>				
3						
4		<b>FC</b>				
5						
6	<b>0504</b>	<b>Common</b>	<b>sf</b>	<b>90</b>		
7	<b>5018</b>	<b>pozzuff</b>	<b>sf</b>	<b>60</b>		
8	<b>5049</b>	<b>A-70</b>	<b>lb</b>	<b>387</b>		
9	<b>0145</b>	<b>gal</b>	<b>lb</b>	<b>258</b>		
10						
11						
12						
13		<b>BC</b>				
14						
15	<b>0504</b>	<b>Common</b>	<b>sf</b>	<b>90</b>		
16	<b>5018</b>	<b>pozzuff</b>	<b>sf</b>	<b>60</b>		
17	<b>5049</b>	<b>A-7</b>	<b>lb</b>	<b>387</b>		
18	<b>0145</b>	<b>gal</b>	<b>lb</b>	<b>258</b>		
19						
20				<b>27090</b>		
21						
22						
23				<b>13.5 tons</b>		
24						
25						
26						
27						

COPY 1 — DISTRICT COPY COPY 2 — CUSTOMER COPY COPY 3 — HOUSTON	LOADED BY: <u><i>Mike</i></u> PRINTED _____ SIGNATURE	CUSTOMER: <u><i>Richard J. Soman</i></u> SIGNATURE _____ DATE
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