

FORM MUST BE TYPED

SIDE ONE

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

077-21262 - 0000

Operator: License # 6581  
Name: Bison Energy Corporation  
Address: 9320 E. Central  
Wichita, Ks. 67206  
City/State/Zip  
Purchaser: Koch Oil Company  
Operator Contact Person: C.J.Lett III  
Phone (316) 636-1801  
Contractor: Name: L.D. Drilling, Inc.  
License: 6039  
Wellsite Geologist: Dean Pattison  
Designate Type of Completion  
 New Well  Re-Entry  Workover  
 Oil  SWD  SIOW  Temp. Abd.  
 Gas  ENHR  SIGW  
 Dry  Other (Core, WSW, Expl., Cathodic, etc)

If Workover/Re-Entry: old well info as follows:  
Operator: \_\_\_\_\_  
Well Name: \_\_\_\_\_  
Comp. Date \_\_\_\_\_ Old Total Depth \_\_\_\_\_  
\_\_\_\_\_ Deepening \_\_\_\_\_ Re-perf. \_\_\_\_\_ Conv. to Inj/SWD  
\_\_\_\_\_ Plug Back \_\_\_\_\_ PSTD  
\_\_\_\_\_ Commingled \_\_\_\_\_ Docket No. \_\_\_\_\_  
\_\_\_\_\_ Dual Completion \_\_\_\_\_ Docket No. \_\_\_\_\_  
\_\_\_\_\_ Other (SWD or Inj?) \_\_\_\_\_ Docket No. \_\_\_\_\_  
10-10-92      10-18-92      12-21-92  
Spud Date      Date Reached TD      Completion Date

API NO. 15- \_\_\_\_\_  
County Harper  
N $\frac{1}{2}$  NE NE 21 31S 8 E  
Sec. Twp. Rge.  W  
4950' Feet from (S)W (circle one) Line of Section  
660' Feet from (E)W (circle one) Line of Section  
Footages Calculated from Nearest Outside Section Corner:  
NE, SE, NW or SW (circle one)  
Lease Name Dombaugh Well # 1-21  
Field Name Spivey-Grabs  
Producing Formation Mississippi  
Elevation: Ground 1617 KB 1622  
Total Depth 4465 PSTD \_\_\_\_\_  
Amount of Surface Pipe Set and Cemented at 220' 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.  
Drilling Fluid Management Plan ALT 1 2-24-93  
(Data must be collected from the Reserve Pit)  
Chloride content 800 ppm Fluid volume 1000 bbls  
Dewatering method used Evaporation  
Location of fluid disposal if 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 \_\_\_\_\_  
Title President C.J.Lett III  
Date 1-28-93  
Subscribed and sworn to before me this 28<sup>TH</sup> day of January  
19 93  
Notary Public Sondra J. Boyd  
Date Commission Expires May 13, 1995

K.C.C. OFFICE USE ONLY  
F  Letter of Confidentiality Attached  
C  Wireline Log Received  
C  Geologist Report Received  
DISTRIBUTION  
 KCC  
 KCS  
RECEIVED  
STATE CORPORATION COMMISSION  
FEB - 1 1993  
CONSERVATION DIVISION  
WICHITA, KANSAS

SONDRA J. BOYD  
Notary Public - State of Kansas  
My Comm. Expires 5-13-95

ORIGINAL

Bison Energy

SIDE TMD

Dombaugh

1-21

Lease Name

Well #

County

Harper

Sec. 21 Twp. 31S Rge. 8

East 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 (Attach Additional Sheets.)

Samples Sent to Geological Survey

Cores Taken

Electric Log Run (Submit Copy.)

List All E.Logs Run:

D.I. C.D. C.N.

Log Formation (Top), Depth and Datum Sample Name Top Datum

See Attached

CASING RECORD

New Used

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

Table with 8 columns: 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. Rows include Surface and Production.

ADDITIONAL CEMENTING/SQUEEZE RECORD

Table with 5 columns: Purpose, Depth Top Bottom, Type of Cement, #Sacks Used, Type and Percent Additives. Rows include Perforate, Protect Casing, Plug Back TD, Plug Off Zone.

Table with 3 columns: 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. Rows include 5 holes, 1 hole, 1 hole, Fracture opened.

Table with 5 columns: TUBING RECORD Size, Set At, Packer At, Liner Run, Yes No. Values: 2 7/8", 4452', 4184', Yes No.

Table with 2 columns: Date of First, Resumed Production, SMD or Inj., Producing Method. Values: 1-1-93, Flowing Pumping Gas Lift Other (Explain).

Table with 8 columns: Estimated Production Per 24 Hours, Oil Bbls., Gas Mcf, Water Bbls., Gas-Oil Ratio, Gravity. Values: 20 BBLs, 100, 160, 5000:1, 34.

Disposition of Gas:

METHOD OF COMPLETION

Production Interval

Vented Sold Used on Lease (If vented, submit ACO-18.)

Open Hole Perf. Dually Comp. Commingled Other (Specify)

4413-20

ORIGINAL

15-077-21262-0000



DEAN PATTISSON



PETROLEUM GEOLOGISTS

Wichita, Kansas

COMPANY BISON ENERGY CORP.  
Wichita, KS

WELL #1-21 DOMBAUGH

FIELD SPIVEY-GRABS

LOCATION N/2 NE NE

SEC. 21 TWP. 31s RGE. 8w

COUNTY HARPER

STATE KANSAS

OPERATOR: Bison Energy Corporation

CONTRACTOR: LD Drilling Co. Rig #1

COMM: 10-10-92 COMP: 10-18-92

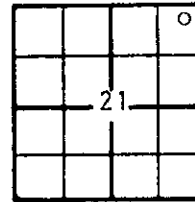
SURFACE PIPE: 85/8" 20# set @ 220'w/190 sxs

PROD. PIPE: 5 1/2" 15# set @ 4463'w/120 sxs

TOTAL DEPTH DRILLERS. 4465'

TOTAL DEPTH LOG. 4465' (see note @ remarks)

PRODUCTION: <u>Oil &amp; Gas</u>	
ELEVATION. KB	<u>1622</u>
DF	<u>1620</u>
GL	<u>1617</u>
Drilling Measured From: <u>Kelly Bushing</u>	
Samples Saved From	<u>3400</u> To T.D.
Drilling Time From	<u>3300'</u> To T.D.
Samples Examined From	<u>4000'</u> To T.D.
Geological Supervision From	<u>4000'</u> To Total Depth
Wellsite Geologist	<u>D. PATTISSON</u>
Electrical Surveys	<u>ELI Wireline</u>
<u>DIL/GR/SP/RXO/RT: 4463-3000'</u>	
<u>CNL-CDL/Cal/GR: 4463-3000'</u>	



FORMATION TOPS & STRUCTURAL POSITION

FORMATION	SAMPLE TOP	ELECTRIC LOG TOP	SJB - SEA DATUM	STRUCTURAL POSITION
Heebner Sh.	3404	3403	-1781	+6'
Douglas Gp.	3467	3465	-1843	
Lansing Gp.	3667	3665	-2043	+8'
Kansas City GP.	3907	3906	-2284	+7'
Stark Sh.	4063	4061	-2439	+6'
Huspuckney Sh.	4094	4089	-2467	
Base KC GP.	4172	4169	-2547	
Marmaton Gp.	4200	4205	-2583	
Altamont Ls.	4218	4217	-2595	
Bandera Sh.	4260	4257	-2635	
Pawnee Ls.	4268	4265	-2643	
Labette Sh.	4293	4292	-2670	
Cherokee Gp. Sh.	4309	4306	-2684	
Mississippi Osage Cht.	4412	4412	-2790	01

REFERENCE WELL FOR STRUCTURE Rupe Oil #1 Dombaugh  
N/2 SE NE 21 - 31s - 8w

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 2-1-93  
 FEB - 1/1993  
 CONSERVATION DIVISION  
 WICHITA, KANSAS

ORIGINAL

15-077-21262-0000

DAILY PENETRATION		BIT RECORD						
DATE	DEPTH	NO	SIZE	MAKE	TYPE	DEPTH OUT	FEET	HOURS
10-10	0-245'	1	12 1/4"	HTC	RT	245'	245'	
10-11	245-1620'	1	77/8"	HTC	J-22	4465'	4220'	
10-12	1620-2425'	1						
10-13	2425-3230'	1						
10-14	3230-3850'	1						
10-15	3850-4270'	1						
10-16	4270-4427'	1						
10-17	4427-4465'	1						
10-18	4465'	100' Run Long String						

DRILL STEM TESTS				
No.	Test Interval-	Tool Intervals-	Formation Pressures-	Recovery-
1	4414-4427'	IFP-30" ISIP-60" FFP-60" FSIP 90"	IHP-2311# IFP-44-55# ISIP-1086# FFP-55-66# FSIP-1152# FHP-2256#  Temp-118 °F	IFP: Strong Blow, GTS:25" Ga: 33.75 mcf/d  FFP: Ga: 43.8-51.7 mcf/d 10' 0%GCWM 14%G 12%O 24%M50%N 60' 0%GCWM 8%G 12%O 30%M 50%W (CI: 23,000)
	Formation:  Miss. Cht.			
2	4427-4440'	IFP-30" ISIP-60" FFP-60" FSIP-90"	IHP-2234# IFP-33-55# ISIP-1119# FFP-78-100# FSIP-1108# FHP-2201#  Temp.-118 °F	IFP: Strong Blow, GTS:27" Ga:23.7 mcf/d  FFP: Ga: 28-23.7 mcf/d 90' H0&GCWM 13%G55%012%M20%W 100' HG&OCM 55%G35%02%M8%W 20' VSOCMW . 6%O 5%M 89%W
	Formation:  Miss. Cht.			
3		IFP- ISIP- FFP- FSIP-	IHP- IFP- ISIP- FFP- FSIP- FHP-  Temp.- °F	Recovery- IFP:  FFP:
	Formation:			

No.	Test Interval-	Formation:
4		
No.	Test Interval-	Formation:
5		
No.	Test Interval-	Formation:
6		
No.	Test Interval-	Formation:
7		
REMARKS & RECORD		
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RECEIVED  
STATE CORPORATION COMMISSION  
2-1-93  
FEB  
CONSERVATION DIVISION  
KANSAS  
RESPECT  
© DEAN



P.O. Box 4442  
Houston, Tx. 77210

### SERVICE OPERATIONS CONTRACT

TERMS: NET 30 DAYS FROM DATE OF CONTRACT

REMIT TO: P.O. Box 297476, Houston, TX. 77297

15-877-21262-0000

# ORIGINAL

DATE 10-10-92

SERVICE CONTRACT NO. 071930

CUSTOMER ACCOUNT NO.		DIST NAME Med. Lodge, KS		NEW WELL <input checked="" type="checkbox"/> OLD WELL <input type="checkbox"/>	WELL TYPE 0	JOB NUMBER	
CUSTOMER Bison Energy		DIST NUMBER 584		WELL NO. 1-21	LEASE NAME & FEDERAL OFFSHORE LEASE NO. Dambaugh		
ADDRESS				COUNTY/ PARISH Harper	CODE	STATE KS.	CODE
CITY		STATE		ZIP		FIELD NAME	
AUTHORIZED BY: (Please Print)		ORDER NO.		WELL OWNER Bison Energy		MTA CODE	
STAGE NO.	JOB CODE	WORKING DEPTH 220' FT		PUMPING EQUIPMENT		TIME (A OR P)	
TOTAL PREV. GALS.		1 SURFACE <input type="checkbox"/>	2 INTERMEDIATE <input type="checkbox"/>	3 PRODUCTION <input type="checkbox"/>	4 REMEDIAL <input type="checkbox"/>	DATE	
TOTAL MEAS. DEPTH 224 FT.		SIZE HOLE 12 1/4		DEPTH 220' FT		TRUCK CALLED 018:0101A 10/11/92	
AVG. PSI.		SIZE & WT. CASING 8 5/8 x 24#		DEPTH 223' FT		ARRIVED AT JOB 110:0101A 10/11/92	
MAX. PSI.		SIZE & WT. DRILL PIPE OR TUBING 4 1/2 x 16.6		DEPTH 220' FT		START OPERATION 12:0171P 10/11/92	
MAX. BPM		PACKER DEPTH		FLUID PUMPED		FINISH OPERATION 12:3101P 10/11/92	
S/S EMPLOYEE NUMBER 50-6200		CUSTOMER INSTRUCTIONS FOR DISPOSAL OF RETURNED CEMENT		MILES FROM STATION TO WELL 30		TIME RELEASED 2:45 P.M. 10-10-92	
				SALESMAN NUMBER			

REMARKS

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**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	011	SIGNED: <u>X B. D. [Signature]</u> (WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)					
PRICE BOOK REF. NO.	QUANTITY	DESCRIPTION	UNIT PRICE	U/M	PRICE EXTENSION		
110111010131013	1	Standard Pump	463.00	E	463.00		
110111010101015	30	milage, one way	2.47	F	74.10		
110141101051014	90	Class A	5.79	Q	521.10		
110141115101118	60	Fly Ash	3.06	Q	183.60		
110141115101419	583	AT-P	.48	L	185.76		
110141210111415	258	BT-Gel	.15	L	38.70		
110141310151319	1	8 5/8 Top wooden Plug	17.00	F	17.00		
110191410111011	201	DRAYAGE 6.7x30					
110181810101011	161	mixing Service	1.16	F	186.76		
SERVICE REPRESENTATIVE Lance Drilling		THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: X					

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 FEB 1 1993  
 CONSERVATION DIVISION  
 WICHITA, KANSAS



P.O. Box 4442  
Houston, Texas 77210

15-077-21262-0003

# CEMENTING LOG

STAGE NO.

# ORIGINAL

Date 10-10-92 District 584 Ticket No. 071930  
 Company Bison Energy Rig L.O. Drlg.  
 Lease Dambaugh Well No. \_\_\_\_\_  
 County Harper State Kansas  
 Location \_\_\_\_\_ Field \_\_\_\_\_

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

CASING DATA: PTA  Squeeze   
 Surface  Intermediate  Production  Liner   
 Size 8 5/8 Type J-55 Weight 24<sup>lb</sup> Collar \_\_\_\_\_

LEAD: Pump Time \_\_\_\_\_ hrs. Type CLASS A  
40:60:3% A7-P, 2% Gel Excess \_\_\_\_\_

Amt. 150 Skys Yield 1.26 ft<sup>3</sup>/sk Density 14.5

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

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

WATER: Lead 5.6 gals/sk Tail \_\_\_\_\_ gals/sk Total 20

Burst Collapsd  
2,950 1,370

Pump Trucks Used BS06481, Carl Balding  
 Bulk Equip. max wolf

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

Drill Pipe: Size 4 1/2 Weight 11.6 Collars X-Hole  
 Open Hole: Size 12 1/4 T.D. \_\_\_\_\_ ft. P.B. to \_\_\_\_\_ ft.

Float Equip: Manufacturer \_\_\_\_\_  
 Shoe: Type \_\_\_\_\_ Depth \_\_\_\_\_

### CAPACITY FACTORS:

Casing: Bbls/Lin. ft. .0637 Lin. ft./Bbl. 15.70  
 Open Holes: Bbls/Lin. ft. .1458 Lin. ft./Bbl. 6.8599  
 Drill Pipe: Bbls/Lin. ft. .0142 Lin. ft./Bbl. 70.32  
 Annulus: 4 1/2 x 8 5/8 Bbls/Lin. ft. .0440 Lin. ft./Bbl. 22.72  
12 1/4 x 8 5/8 Bbls/Lin. ft. .0735 Lin. ft./Bbl. 13.6037  
 Perforations: From \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Amt. \_\_\_\_\_

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

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

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

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

Disp. Fluid Type Fresh H<sub>2</sub>O Amt. 13 1/4 Bbls. Weight 8.34  
 Mud Type Chemical Weight 9.2

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

CEMENTER Larry Wabbling

TIME	PRESSURES PSI		FLUID PUMPED DATA			REMARKS
	DRILL PIPE (CASING)	ANNULUS	TOTAL FLUID	Pumped Per Time Period	RATE Bbls Min.	
						Rig up and hold safety meeting
2:00						Pipe on bottom
2:03	100					Circ w/ mud Pump
2:07	50		5	1	5	Rig up to Cement Pump Start Fresh H <sub>2</sub> O Pad
2:08	100		34	7	5	Start Cement, Cement w/ 1.50 sks.
2:15						CLASS A 40:60:3% A7-Pw/2% Gel
2:17						Cement In. stop Pumps
2:18	100		2	1	4 1/2	Release Plug
2:20	150		10	2		Start H <sub>2</sub> O Displacement
2:22	150		13 1/2	2	2	Slight PSI Increase
						Decrease rate
						Stop Pumps.
						Shut In.
						Cement Did Circ.

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 WICHITA, KANSAS



P.O. Box 4442  
Houston, Texas 77210

15-077-21262-0000

# CEMENTING LOG ORIGINAL

Date 10-13-92 District Mead Lodge Ticket No. 0719SS  
 Company BISON ENERGY CORP. Rig L.O. #1  
 Lease DOMLAUGH Well No. 1-21  
 County HARPER State KANSAS  
 Location 21-31s-3W Field SPZVEY-6AARS  
ATICA 6 1/2 N, 21 1/2 E 3/4

CEMENT DATA:  
 Spacer Type: 300 GALLONS REG. Mud Sweep  
 Amt. \_\_\_\_\_ Sks Yield \_\_\_\_\_ ft<sup>3</sup>/sk Density \_\_\_\_\_ PPG

CASING DATA: PTA  Squeeze   
 Surface  Intermediate  Production   
 Size 3 1/2" Type 0-20 Weight 14# Liner   
 Collar 3RD

LEAD: Pump Time \_\_\_\_\_ hrs. Type \_\_\_\_\_  
 Excess \_\_\_\_\_  
 Amt. \_\_\_\_\_ Sks Yield \_\_\_\_\_ ft<sup>3</sup>/sk Density \_\_\_\_\_ PPG

BURST - 3110#  
COLLAPSE - 2630#  
 Casing Depths: Top KB Bottom 4464'  
6.6 - 220'

TAIL: Pump Time \_\_\_\_\_ hrs. Type CLASS A  
6 1/4 H-10, 2 1/2 GEL, 1 1/4 A-11  
 Amt. 125 Sks Yield 1.55 ft<sup>3</sup>/sk Density 14.3 PPG  
 Excess \_\_\_\_\_  
 WATER: Lead \_\_\_\_\_ gals/sk Tail 7.66 gals/sk Total 22.8 Bbls.

Drill Pipe: Size 4 1/2" Weight 16.6# Collars XH  
 Open Hole: Size 7 7/8" T.D. 4465 ft. P.B. to \_\_\_\_\_ ft.

Pump Trucks Used 1492 JUSTIN HART  
 Bulk Equip. 2903-6483 RECKY CLAKESKEY

CAPACITY FACTORS:  
 Casing: Bbls/Lin. ft. .0244 Lin. ft./Bbl. 40.93'  
 Open Holes: Bbls/Lin. ft. .0602 Lin. ft./Bbl. 16.59'  
 Drill Pipe: Bbls/Lin. ft. \_\_\_\_\_ Lin. ft./Bbl. \_\_\_\_\_  
 Annulus: Bbls/Lin. ft. .0309 Lin. ft./Bbl. 32.4'  
 Bbls/Lin. ft. \_\_\_\_\_ Lin. ft./Bbl. \_\_\_\_\_  
 Perforations: From \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Amt. \_\_\_\_\_

Float Equip: Manufacturer WEATHERFORD  
 Shoe: Type CEMENT Depth 4464'  
 Float: Type HFU INSERT Depth 4423'  
 Centralizers: Quantity 6 Plugs Top RESIN Btm. RUBBER  
 Stage Collars \_\_\_\_\_  
 Special Equip. \_\_\_\_\_  
 Disp. Fluid Type FRESH H<sub>2</sub>O Amt. 11' Bbls. Weight 8.34 PPG  
 Mud Type CHEMICAL Weight 9.2 PPG

COMPANY REPRESENTATIVE DEAN PATTERSON

CEMENTER KEVIN BRUNGARDT

TIME	PRESSURES PSI		FLUID PUMPED DATA			REMARKS
	DRILL PIPE CASING	ANNULUS	TOTAL FLUID	Pumped Per Time Period	RATE Bbls Min.	
<u>2:45</u>						<u>ON LOCATION / SIG UP</u> <u>JOB &amp; SAFETY MEETING</u>
						<u>RUN 3 1/2" CASING TO BOTTOM</u> <u>ROTATE CASING WHILE CIRCULATING</u> <u>REG UP TO CEMENT PUMP</u>
<u>3:58</u>	<u>200</u>				<u>3 1/5</u>	<u>START MUD SWEEP</u>
	<u>100</u>		<u>2</u>	<u>2</u>	<u>3 1/2</u>	<u>INOP BOTTOM PLUG</u>
	<u>300</u>		<u>7</u>	<u>5</u>	<u>6</u>	<u>MUD SWEEP IN - START SURF-FILL</u>
	<u>400</u>		<u>40</u>	<u>33</u>	<u>6</u>	<u>SURF-FILL IN - STOP PUMPS</u> <u>CHANGE VALVES - FLUSH PUMPS &amp; LINES</u> <u>CHANGE VALVES - RELEASE PLUG</u>
	<u>150</u>				<u>2</u>	<u>START DISPLACEMENT</u>
	<u>200</u>		<u>42</u>	<u>2</u>	<u>6</u>	<u>INCREASE RATE</u>
	<u>250</u>		<u>106 1/2</u>	<u>64 1/2</u>	<u>6</u>	<u>MUD SWEEP @ SHOE</u>
	<u>150</u>		<u>113 1/2</u>	<u>7</u>	<u>4</u>	<u>CEMENT @ SHOE - SLOW RATE</u>
	<u>700</u>		<u>123 1/2</u>	<u>20</u>	<u>4</u>	<u>GRADUAL PRESSURE INCREASE</u>
	<u>650</u>		<u>142 1/2</u>	<u>10</u>	<u>3</u>	<u>SLOW RATE</u>
<u>9:10</u>	<u>700</u>		<u>146 1/2</u>	<u>3</u>	<u>3</u>	<u>PSI INCREASE</u>
	<u>1400</u>		<u>151 1/2</u>	<u>5</u>	<u>3</u>	<u>BUMP PLUG &amp; HOLD PRESSURE</u> <u>RELEASE PRESSURE &amp; FLOW</u>
					<u>2 1/2</u>	<u>PLUG RATHOLE WITH</u>

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 WICHITA, KANSAS  
 2-1-93

FINAL DISP. PRESS: 700 PSI BUMP PLUG TO 1400 PSI BLEEDBACK 1/4 RRIS THANK YOU



P.O. Box 4442  
Houston, Tx. 77210

CUSTOMER COPY

SERVICE OPERATIONS CONTRACT  
TERMS NET 30 DAYS FROM DATE OF CONTRACT

REMIT TO: P.O. Box 297476, Houston, Tx. 77297

15-077-21262-0000

ORIGINAL

DATE 10-13-92 SERVICE CONTRACT NO. 071955

CUSTOMER ACCOUNT NO.		DIST NAME MED. LODGE		NEW WELL <input checked="" type="checkbox"/>	WELL TYPE 0	JOB NUMBER 501853	
CUSTOMER BISON ENERGY CORP		DIST NUMBER 584		WELL NO. 1-21	LEASE NAME & FEDERAL OFFSHORE LEASE NO. DOW BAUM		
ADDRESS 9320 EAST CENTRAL				COUNTY/PARISH HARPER	CODE 1407	STATE KS	CODE 14
CITY WICHITA		STATE KANSAS		ZIP 67206		FIELD NAME SPEY - GRAYS	
CITY CODE		CITY CODE		CITY CODE		CITY CODE	
AUTHORIZED BY: (Please Print) C.T. GA		ORDER NO.		WELL OWNER BISON ENERGY CORP.		MTA CODE	
STAGE NO.	JOB CODE 0106 - CEMENT	WORKING DEPTH 4464	FT	PUMPING EQUIPMENT		TIME (A OR P)	DATE
TOTAL PREV. GALS.	1 SURFACE <input type="checkbox"/> 2 INTERMEDIATE <input type="checkbox"/> 3 PRODUCTION <input checked="" type="checkbox"/> 4 REMEDIAL <input type="checkbox"/>			TRUCK CALLED		3:00 P	MM DD YY 10 13 92
TOTAL MEAS. DEPTH	SIZE HOLE 7 7/8"		DEPTH 4465	ARRIVED AT JOB		12:45 A	10 13 92
FT.	SIZE & WT. CASING 5 1/2" 14#		DEPTH 4464	START OPERATION		3:33 A	10 13 92
PACKER DEPTH	SIZE & WT. DRILL PIPE OR TUBING		DEPTH	FINISH OPERATION		9:10 A	10 13 92
AVG. PSI.	MAX. PSI.	FLUID PUMPED		TIME RELEASED		10:00 A	
1400				MILES FROM STATION TO WELL 31		SALESMAN NUMBER	
MAX. BPM	CUSTOMER INSTRUCTIONS FOR DISPOSAL OF RETURNED CEMENT:						
6.0							
S/S EMPLOYEE NUMBER							
6664-4							

OCT 20 1992

REMARKS

WELL NO. \_\_\_\_\_

APPROVED *[Signature]*

TABULATED \_\_\_\_\_

POSTED TO \_\_\_\_\_

DATE PAID \_\_\_\_\_

C.T. # \_\_\_\_\_

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 01

SIGNED: *[Signature]* (WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

PRICE BOOK REF. NO.	QUANTITY	DESCRIPTION	UNIT PRICE	U/M	PRICE EXTENSION
10110032H	1	4,000' - 4,500' PUMP CHARGE	1263.00	E	1263.00
10110900S	30	MILEAGE ON PUMP	2.47	E	74.10
10411050H	125	CLASS A	5.79	Q	723.75
104281020	705	A-10	.23	L	162.15
10415049	118	A-7P	.43	L	50.64
10420145	235	RT GEL	.15	L	35.25
10425010	300	REGULAR MUD SWEEP	1.73	G	519.00
10330001	140.3	MIXING SERVICE	1.16	Q	162.75
109401101	192	DRAINAGE 6.4X 30	.79	Q	152.88
10430720	1	5 1/2" BOTTOM RUBBER PLUG	85.25	S	85.25

SERVICE REPRESENTATIVE KEVIN BRUNGARDT

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.