



P.O. Box 4442
Houston, Tx. 7721

SERVICE OPERATIONS CONTRACT

TERMS NET 30 DAYS FROM DATE OF CONTRACT

00500759

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

DATE 8-31-91		SERVICE CONTRACT NO. 609873	
NEW WELL <input checked="" type="checkbox"/> OLD WELL <input type="checkbox"/>		WELL TYPE	
WELL NO. #1		LEASE NAME & FEDERAL OFFSHORE LEASE NO. Hearst Ranch 12-12	
COUNTY/PARISH Cheyenne		CODE	STATE Colo
FIELD NAME Mud #14		CITY CODE	
WELL OWNER UPRC		MTA CODE	
PUMPING EQUIPMENT		TIME (A OR P) 15:0101A	DATE MM DD YY 12 31 1991
TRUCK CALLED		ARRIVED AT JOB 19:301A	
START OPERATION		FINISH OPERATION	
TIME RELEASED		SALESMAN NUMBER	
MILES FROM STATION TO WELL 123			

CUSTOMER ACCOUNT NO. ATE# 09701	DIST NAME ORIN 155
CUSTOMER UPRC	DIST NUMBER 585
ADDRESS	
CITY	STATE
ZIP	
AUTHORIZED BY: (Please Print)	ORDER NO.
STAGE NO.	JOB CODE
WORKING DEPTH	
1 SURFACE <input checked="" type="checkbox"/> 2 INTERMEDIATE <input type="checkbox"/> 3 PRODUCTION <input type="checkbox"/> 4 REMEDIAL <input type="checkbox"/>	
TOTAL PREV. GALS.	SIZE HOLE 12 1/4
TOTAL MEAS. DEPTH	DEPTH 540'
FT.	SIZE & WT. CASING 8 5/8 24#
	DEPTH 540'
	SIZE & WT. DRILL PIPE OR TUBING
	DEPTH
PACKER DEPTH	FLUID PUMPED
AVG. PSI.	MAX. PSI.
MAX. BPM	
S/S EMPLOYEE NUMBER	
512-98-2222	

CUSTOMER INSTRUCTIONS FOR DISPOSAL OF RETURNED CEMENT

REMARKS

SURF
CSK

BEST IMAGE
AVAILABLE

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	04	X SIGNED: <i>[Signature]</i>		(WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)	
PRICE BOOK REF. NO.	QUANTITY	DESCRIPTION	UNIT PRICE	U/M	PRICE EXTENSION
1					
2					
3					
4					
5					
6					
7					
8					
9					
10					
SERVICE REPRESENTATIVE <i>[Signature]</i>		THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: <i>[Signature]</i>			
		(WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)			

CHECK IF CONTINUATION IS USED

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



P.O. Box 4442
Houston, Texas 77

CEMENTING LOG

STAGE NO.

Date 8-31-91 District OAKH Ticket No. 609973
Company UPRC Rig MUR#14
Lease Heart Ranch 12-12 Well No. #1
County Cherokee State COLO
Location K. Carson 65 Field 2 1/2 E - 15 - 12 W 2

CASING DATA: PTA ☐ Squeeze ☐
Surface ☒ Intermediate ☐ Production ☐ Liner ☐
Size 8 1/8 Type 24# Weight 24# Collar

Casing Depths: Top Bottom 540'

Drill Pipe: Size 4 1/2 Weight Collars
Open Hole: Size 12 1/4 T.D. 540 ft. P.B. to ft.

CAPACITY FACTORS:

Casing: Bbls/Lin. ft. .0637 Lin. ft./Bbl. 15.70
Open Holes: Bbls/Lin. ft. Lin. ft./Bbl.
Drill Pipe: Bbls/Lin. ft. Lin. ft./Bbl.
Annulus: Bbls/Lin. ft. .0735 Lin. ft./Bbl. 13.6
Bbls/Lin. ft. Lin. ft./Bbl.

Perforations: From ft. to ft. Amt.

CEMENT DATA:

Spacer Type: ATC# 09701
Amt. Skys Yield ft³/sk Density PPG

LEAD: Pump Time hrs. Type Lead
29 acc 1 1/2 # cell of plate Excess

Amt. 200 Skys Yield 1.84 ft³/sk Density 12.7 PPG

TAIL: Pump Time hrs. Type Class A
39 acc 1 1/4 # cell of plate Excess

Amt. 75 Skys Yield 1.17 ft³/sk Density 15.7 PPG

WATER: Lead 9.9 gals/sk Tail 5.2 gals/sk Total 56.4 Bbls.
47.1 9.3

Pump Trucks Used BSU 6459

Bulk Equip. BS513-BS411

Float Equip: Manufacturer

Shoe: Type Notched Tee Pat Depth 540'

Float: Type Baffle Depth 497'

Centralizers: Quantity 3 Plugs Top Btm. wood cup

Stage Collars

Special Equip. 1 Loc Ring

Disp. Fluid Type water Amt. 31.6 Bbls. Weight 8.34 PPG

Mud Type Weight PPG

COMPANY REPRESENTATIVE

CEMENTER Ron M. Cullick

TIME	PRESSURES PSI		FLUID PUMPED DATA			REMARKS
	DRILL PIPE CASING	ANNULUS	TOTAL FLUID	Pumped Per Time Period	RATE Bbls. Min.	
9:30						arr loc hold pre job safety meeting
9:40						set up equip.
12:15p						start float camp.
1:30p						hookup & circulate
1:35p					5	mix lead cement
1:45					5	mix tail cement
1:50					3	Drop plug & displace to Baffle plate
			BEST IMAGE AVAILABLE			
						Plug down @ 2:00pm
						Turn back Rout Crew

FINAL DISP. PRESS: 200 PSI BUMP PLUG TO 400 PSI BLEEDBACK 1/4 BBLs. THANK YOU
Form No. SR 0502 (Rev. 3/90)
Note: Must accompany job ticket

LOAD SHEET

JOB NUMBER AFE 09701		CONTRACT NUMBER 609873		DATE 8-31-91		DISTRICT NAME OAKLAND	
CUSTOMER NAME AND ADDRESS UPRC				DIRECT SHIPMENT FROM VENDOR NAME			
Item No.	Part Number	Description	UNIT OF MEASURE	AMOUNT LOADED	DIRECT SHIPPED	AMOUNT RETURNED	
1	410504	CLASS A	SK	205			
2	415018	Poz-Mix	SK	70			
3	415049	CA-CL	lb	720			
4	420145	Gel	lb	1100			
5	422008	Celloflake	lb	125			
6	431036	8 1/2 plug	EA	1			
7							
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							
23		BEST IMAGE AVAILABLE					
24							
25							
26							
27							

COPY 1 — DISTRICT COPY

COPY 2 — CUSTOMER COPY

COPY 3 — HOUSTON

LOADED BY: Terry Hume PRINTED

Ramon Cullin SIGNATURE

CUSTOMER [Signature] SIGNATURE

DATE 8-31-91