

TO JOHNSTON-MACCO - You are hereby requested to perform or attempt to perform the following service(s) or furnish the following equipment, on a rental or purchase basis, as indicated

Tools and operator to Run QH, MFE Drill Stem Test

WELL OWNER: Stown Central Petroleum Corp REPORT ADDRESS: Stown

WELL & NO. McAllister #4 FIELD: WILDCAT DEVELOPMENT COUNTY: Lea STATE: N. M.

TESTED INTERVAL: 3045 FT. TO 3010 FT. 35 TEST NO. 1 LOCATION:

Said well has been drilled to 3045 ft and is in good condition.

The undersigned, hereinafter referred to as customer, agrees to pay you for the above specified service(s) or equipment (leased or purchased), and any additional service(s) or equipment requested, at John's-on-Macco's office in Houston, Harris County, Texas, in accordance with the provisions of your current applicable price schedule.

In consideration of the prices as are set out in your current applicable price schedule, we choose to be bound by the terms and conditions set out on the reverse side hereof, including the assumption by us of the liabilities and responsibilities contained in the hold harmless and exculpatory clauses, rather than enter into a different contract and furnish you insurance against the liabilities and responsibilities herein assumed by us.

If signed by an agent on behalf of customer, said agent represents that he has full authority from his principal to execute same; in the absence of authority, the signer agrees that he shall be obligated hereunder as Customer.

CUSTOMER'S NAME: Crown Central Petroleum Corporation

ADDRESS	Same
---------	------

INVOICE MAILING ADDRESS
731 W. Wadley Bldg., "K" Suite 200
SIGNATURE

Midland, Texas 79701

SIGNATURE

TITLE AND ADDRESS	
1	
2	
3	
4	
5	
6	
7	
8	
9	
10	
11	
12	
13	
14	
15	
16	
17	
18	
19	
20	
21	
22	
23	
24	
25	
26	
27	
28	
29	
30	
31	
32	
33	
34	
35	
36	
37	
38	
39	
40	
41	
42	
43	
44	
45	
46	
47	
48	
49	
50	
51	
52	
53	
54	
55	
56	
57	
58	
59	
60	
61	
62	
63	
64	
65	
66	
67	
68	
69	
70	
71	
72	
73	
74	
75	
76	
77	
78	
79	
80	
81	
82	
83	
84	
85	
86	
87	
88	
89	
90	
91	
92	
93	
94	
95	
96	
97	
98	
99	
100	

SURFACE DATA					ESTIMATED CHARGES*		REF CODE	EQUIPMENT SEQUENCE				
DESCRIPTION	DATE	TIME OF DAY	PRESSURE PSIG	SURFACE CHOKE				COMPONENTS	SERIAL #	SIZE	LENGTH DEPTH	I.D.
SET PACKER	9-10	0800						Drill Pipe XH		4.5	2441	3.8
OPENED TOOL (10 min)		0805	0	1/8				Drill Collar H-90		4.5	423	2.25
		0807	1 1/2	1/8	142	219		RCir. Sub Pin			2864	
Open To 1/4" Choke		0808		1/4				Drill Collar H-90		4.5	120	2.25
CLOSED FOR INITIAL SHUT-IN (39 min)		0815	1202	1/4	1198	106		MFE		5	8'	
								By-Pass		5	3'	
FINISHED SHUT-IN		0854			394	221		Jars TR-63		4.75	7'	
RE-OPENED TOOL (47 min)		0858	0	1/4	95	224		Safety Joint		4.75	2'	
		0800	1202	1/4				Packer BT		6.75	3004	
		0905	502	1/4	525	106		Packer BT		6.75	3010	
		0907	131M	1/4				Perforation		5.75	23'	
								Recorder I	401	401	6'	
								Recorder I	452	452	6'	

M.F.E. SAMPLER DATA				
RECOVERY		RESISTIVITY		CHL CONTENT
3	CU. FT. GAS	RECOVERED WATER	0.02 @ 0.02	13300 PPM
	C.C. OIL	RECOVERED MUD	@	°F
350	C.C. WATER	REC. MUD FILTRATE	@	°F PPM
250	C.C. MUD	PIT MUD	@	°F
GRAVITY	°API	°F	PIT MUD FILTRATE	@ °F PPM
G O R	CU. FT./BBL.	SAMPLER PRESSURE 40		

INSTRUMENT DATA					
INSTRUMENT NO.	J452	J451		J401	
CAPACITY (P.S.I.G.)	2819	3045		2818	
DEPTH	3045			3039	
INSIDE - OUTSIDE	Out			IN	
CLOCK CAP HR.	48			48	
TEMPERATURE °F.			68°	1592	
I. HYD. P.S.I.G.				68	79
I. FLOW P.S.I.G.				512	
I.S.I. P.S.I.G.					
2nd FLOW P.S.I.G.					
2nd S.I. P.S.I.G.					
F. FLOW P.S.I.G.				84	118
F. S.I. P.S.I.G.				793	
F. HYD. P.S.I.G.				1593	

HOLE DATA			
MFE ☒	STRADDLE ☐		
FORMATION TESTED	Yates	ELEVATION	NA
NET PRODUCTIVE INTERVAL	12	FT	
EST POROSITY	TRACE		
ALL DEPTHS MEASURED FROM	RDB	TOTAL DEPTH	3045
OPEN HOLE SIZE	7 7/8	4 1/2 HOLE SIZE	
CASING SIZE	4 3/4	UNDER CASE	

MUD DATA			
MUD TYPE	Salt Water Jet		
WEIGHT	10 th	VISCOSITY	38
		WATER LOSS	17
RESIST. OF MUD	83 @ 83	°F. OF FILTRATE	@ °F. 130
			PPM

REMARKS:

RECOVERY DESCRIPTION	FEET	BARRELS	% OIL	% WATER	% OTHERS	API GRAV.	RESIST.	CHL. PPM
OIL AND GAS CUT MUD	293					@ °F	@ °F	
						@ °F	@ °F	
TOP						@ °F	0782	
BOTTOM						@ °F	180	GAS CUT
						@ °F	@ °F	

REVERSED OUT: TIME STARTED

TIME FINISHED

PUMP PRESSURE

P.S.I.G.

JOHNSTON-MACCO
P.O. BOX 36369, HOUSTON, TX 77036
A Division of Schlumberger Technology Corporation

THE ABOVE ORDERED SERVICES HAVE BEEN PERFORMED OR FURNISHED AND THE TEST ACCEPTED AS:

SUCCESSFUL 

UNSUCCESSFUL ☐

JOHNSTON-MACCO OPERATOR (PRINT)

JOHNSTON-MACCO DISTRICT

DATE

JAMES FOWLER
SIGNATURE/CUSTOMER/AUTHORIZED REPRESENTATIVE

PLEASE PRINT SIGNATURE TO LEFT

CUSTOMER P.O. NUMBER

CUSTOMER FIELD COPY

43168 E

~~RECEIVED~~

DEC 13 1982

A.C.D.
HOBBS OFFICE

TO JOHNSTON-MACCO - You are hereby requested to perform or attempt to perform the following service(s) or furnish the following equipment, on a rental or purchase basis, as indicated:

Tools and Operator to Run QH, MFE Drill Stem Test

WELL OWNER: Crown Central Petroleum Corp. ADDRESS: See Below
WELL & NO. M-Allister #4 FIELD: WILDCAT DEVELOPMENT COUNTY: Lea STATE: N.M.
TESTED INTERVAL: 3045 FT. TO 3010 FT. 35 TEST NO. 1 LOCATION:

Said well has been drilled to 3045 ft. and is in good condition.
The undersigned, hereinafter referred to as customer, agrees to pay you for the above specified service(s) or equipment (leased or purchased), and any additional service(s) or equipment requested, at Johnston-Macco's office in Houston, Harris County, Texas, in accordance with the provisions of your current applicable price schedule.
In consideration of the prices as are set out in your current applicable price schedule, we choose to be bound by the terms and conditions set out on the reverse side hereof, including the assumption by us of the liabilities and responsibilities contained in the hold harmless and exculpatory clauses, rather than enter into a different contract and furnish you insurance against the liabilities and responsibilities herein assumed by us.
If signed by an agent on behalf of customer, said agent represents that he has full authority from his principal to execute same, in the absence of authority, the signer agrees that he shall be obligated hereunder as Customer.

CUSTOMER'S NAME: Crown Central Petroleum Corporation ADDRESS: Same
INVOICE MAILING ADDRESS: 731 W. Wadley Bldg. "K" Suite 200 Midland, Texas 79701
SIGNATURE: TITLE AND ADDRESS:

SURFACE DATA					ESTIMATED CHARGES*	REF. CODE	EQUIPMENT SEQUENCE			
DESCRIPTION	DATE	TIME OF DAY	PRESSURE PSIG	SURFACE CHOKER			COMPONENTS	SERIAL #	SIZE	LENGTH DEPTH
SET PACKER	9-10	0800					Drill Pipe XH		4.5	2441
OPENED TOOL (10 min)		0805	0	1/2			Drill Collar H-90		4.5	123
		0807	1 1/2	1/2	142	219	ACIS. Sub Pin			2864
Open To 1/4" Choke		0808		1/4			Drill Collar H-90		4.5	120
CLOSED FOR INITIAL SHUT-IN (39 min)		0815	1202	1/4	1178	100	MFE		5	8'
							By-Pass		5	3'
FINISHED SHUT-IN		0854			394	221	Jars TR-63		4.75	7'
RE-OPENED TOOL (47 min)		0858	0	1/4	95	224	Safety Joint		4.75	2'
		0900	1202	1/4			Packer BT		6.75	3004
		0905	502	1/4	525	106	Packer BT		6.75	3010
		0907	131m	1/4			Perforation		5.75	23'
							Recorder I 401		401	6'
							Recorder I 452		452	6'
							Control Head			
					321	213	Floor Manifold			
							Sample Chamber			
CLOSED FOR FINAL SHUT-IN (93 min)		0945	131m	1/4						
FINISHED SHUT-IN		1118								
PULLED PACKER LOOSE		1120								

EXTRA TECHNICAL REPORTS				DATE	TIME
MARINE OPERS. INLAND ☐	OFFSHORE ☐	LEFT SHOP		9-9	2400
TOOL RENTAL TIME 8+2 HRS	ON LOCATION			9-10	0100
OPERATOR'S TIME 8+7 HRS	STARTED OPERATIONS			9-10	0430
MILEAGE _____ MILES	CEASED OPERATIONS				1430
SPECIAL DATA ANALYSIS ☐	BREAKDOWN ☐	OFF LOCATION			1600
		RETURN SHOP			1700
TOTAL				TOTAL TIME/ 17 HRS	

* ALL PRICES SUBJECT TO CORRECTION

M.F.E. SAMPLER DATA			
RECOVERY	RESISTIVITY	CHL. CONTENT	
3 CU. FT. GAS	RECOVERED WATER 0.02 @ 82 °F	13300 PPM	
C.C. OIL	RECOVERED MUD @ °F		
350 C.C. WATER	REC. MUD FILTRATE @ °F	PPM	
250 C.C. MUD	PIT MUD @ °F		
GRAVITY °API °F	PIT MUD FILTRATE @ °F	PPM	
G O R	CU. FT/BBL.	SAMPLER PRESSURE 40	

HOLE DATA			
MFE ☒	STRADDLE ☐		
FORMATION TESTED	Yates	ELEVATION	MA
NET PRODUCTIVE INTERVAL	12	FT	EST. POROSITY TRACE
ALL DEPTHS MEASURED FROM	RDB	TOTAL DEPTH	3045
OPEN HOLE SIZE	7 7/8	PAT. HOLE SIZE	
CASING SIZE	8 5/8	UNDER CASE	

MUD DATA			
MUD TYPE	Salt Water Gel		
WEIGHT	10"	VISCOSITY	38
RESIST. OF MUD	0.2 @ 82 °F	OF FILTRATE	@ °F 13000 PPM

INSTRUMENT DATA			
INSTRUMENT NO	J452	J401	
CAPACITY (P.S.I.G.)	2819	2818	
DEPTH	3045	3039	
INSIDE - OUTSIDE	Out	IN	
CLOCK CAP HR.	48	48	
TEMPERATURE °F		1592	
I. HYD. P.S.I.G.		68	79
I. FLOW P.S.I.G.		512	
I.S.I. P.S.I.G.			
2nd FLOW P.S.I.G.			
2nd S.I. P.S.I.G.			
F. FLOW P.S.I.G.		84	118
F. S.I. P.S.I.G.		793	
F. HYD. P.S.I.G.		1592	

RECOVERY DESCRIPTION	FEET	BARRELS	% OIL	% WATER	% OTHERS	API GRAV	RESIST.	CHL. PPM
Oil AND GAS CUT MUD	293							
TOP							0.87	
BOTTOM							1.80	GAS CUT

REVERSED OUT: TIME STARTED TIME FINISHED PUMP PRESSURE P.S.I.G.

JOHNSTON-MACCO P.O. BOX 36369, HOUSTON, TX 77036
A Division of Schlumberger Technology Corporation

THE ABOVE ORDERED SERVICES HAVE BEEN PERFORMED OR FURNISHED AND THE TEST ACCEPTED AS:
SUCCESSFUL ☒ UNSUCCESSFUL ☐

JOHNSTON-MACCO OPERATOR (PRINT): JAMES FOWLER 453 745764 H08051408
SIGNATURE: CUSTOMER/AUTHORIZED REPRESENTATIVE: PLEASE PRINT SIGNATURE TO LEFT
JOHNSTON-MACCO DISTRICT: DATE: 9-10-82
CUSTOMER P.O. NUMBER:

43168 E

RECEIVED

DEC 13 1982

O.C.A.
HOBBS OFFICE