TRILOBITE TESTING, L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Drill-Stem Test Data

Well Name CORKE #1 Test No. 1 Date 11/20/92

Company CASTLE RESOURCES, INC. Zone LANSING "C&D

Address 1200 E.27th HAYS KANSAS 67601 Elevation 2645

Co. Rep./Geo. TERRY WILLIAMSON Cont. EMPHASIS RIG #8 Est. Ft. of Pay

Location: Sec. 21 Twp. 9S Rge. 26W Co. SHERIDAN State KS

Interval Tested 3938-3975 Drill Pipe Size 4.5 XH

Anchor Length 37 Wt. Pipe I.D. - 2.7 Ft. Run

Top Packer Depth 3933 Drill Collar – 2.25 Ft. Run

Bottom Packer Depth 3938 Mud Wt. 9.2 lb/Gal.

Total Depth 3975 Viscosity 48 Filtrate 12

Tool Open @ 9:25 PM Initial Blow FAIR TO STRONG BLOW - BOTTOM OF BUCKET IN 12 MINUTES

Final Blow FAIR TO STRONG BLOW - BOTTOM OF BUCKET IN 13 MINUTES

Recovery - Total Feet 682 Flush Tool? NO

Rec. 124 Feet of MUDDY WATER-80%WTR/20%MUD

Rec. 558 Feet of SALT WATER

Rec. Feet of

Rec. Feet of

Rec. Feet of

BHT 112 °F Gravity °API @ °F Corrected Gravity °API

RW 0.14 @ 64 °F Chlorides 78000 ppm Recovery Chlorides 5000 ppm System

(A) Initial Hydrostatic Mud 1912.3 PSI AK1 Recorder No. 13278 Range 4400

(B) First Initial Flow Pressure 41.2 PSI @ (depth) 3972 w / Clock No. 22993

(C) First Final Flow Pressure 185.9 PSI AK1 Recorder No. 10248 Range 4400

(D) Initial Shut-in Pressure 1140.6 PSI @ (depth) 3967 w / Clock No. 30410

(E) Second Initial Flow Pressure 205.8 PSI AK1 Recorder No. Range

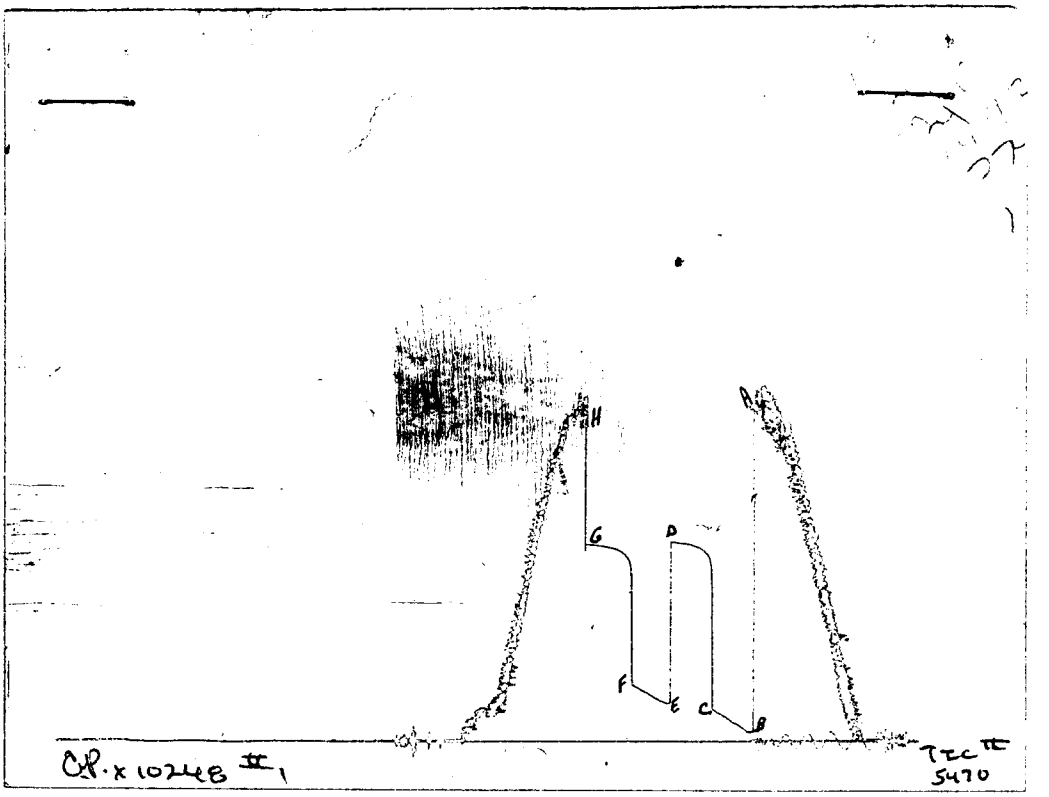
(F) Second Final Flow Pressure 320.6 PSI @ (depth) w / Clock No.

(G) Final Shut-in Pressure 1131.4 PSI Initial Opening 30 Final Flow 30

(H) Final Hydrostatic Mud 1890.7 PSI Initial Shut-in 30 Final Shut-in 30

Our Representative GARY PEVOTEAUX

CHART PAGE



This is an actual photograph of recorder chart

	FIELD READING	OFFICE READING
(A) INITIAL HYDROSTATIC MUD	1909	1912.3
(B) FIRST INITIAL FLOW PRESSURE	37	41.2
(C) FIRST FINAL FLOW PRESSURE	184	185.9
(D) INITIAL CLOSED-IN PRESSURE	1137	1140.6
(E) SECOND INITIAL FLOW PRESSURE	204	205.8
(F) SECOND FINAL FLOW PRESSURE	317	320.6
(G) FINAL CLOSED-IN PRESSURE	1128	1131.4
(H) FINAL HYDROSTATIC MUD	1887	1890.7

TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Test Ticket

№ 5470

Well Name & No. Corke #1 Test No. 1 Date 11-20-92

Company Castle Resources Zone Tested Lans C & D

Address 1200 E. 27th St. Ste. C Hays Ks. 67601 Elevation 2645 K.B. est.

Co. Rep./Geo. Terry Williamson Cont. Emphasis Oil Opr. #8 Est. Ft. of Pay

Location: Sec. 21 Twp. 9S Rge. 26W Co. Sheridan State Ks

No. of Copies 5 Distribution Sheet ____ Yes ____ No Turnkey ____ Yes ____ No ____ Evaluation

Interval Tested 3938 - 3975' Drill Pipe Size 4½" X.H.

Anchor Length 37' Top Choke — 1" 1 Bottom Choke — ¾" 1

Top Packer Depth 3933' Hole Size — 7⅞" 1 Rubber Size — 6¾" ____

Bottom Packer Depth 3938' Wt. Pipe I.D. — 2.7 Ft. Run None

Total Depth 3975' Drill Collar — 2.25 Ft. Run None

Mud Wt. 9.2 lb/gal. Viscosity 48 Filtrate 12.0 cc.

Tool Open @ 9:25PM. Initial Blow Fair to strong blow (return of bucket in 12 mins.)

Final Blow Fair to strong blow. (return of bucket in 13 mins

Recovery — Total Feet 682' Feet of Gas in Pipe None Flush Tool? No

Rec. 124' Feet Of M.W. %gas %oil 80 %water 20 %mud

Rec. 558' Feet Of Salt Water %gas %oil 98 %water 2 %mud

Rec. ____ Feet Of ____ %gas %oil %water %mud

Rec. ____ Feet Of ____ %gas %oil %water %mud

Rec. ____ Feet Of ____ %gas %oil %water %mud

BHT 112 °F Gravity N.A. °API @ ~ °F Corrected Gravity N.A. °API

RW 0.14 @ 64 °F Chlorides 78,000 ppm Recovery Chlorides 5,000 ppm System

(A) Initial Hydrostatic Mud 1909 PSI AK1 Recorder No. 13278 Range 4400

(B) First Initial Flow Pressure 37 PSI @ (depth) 3972' w/Clock No. 22993

(C) First Final Flow Pressure 184 PSI AK1 Recorder No. 10248 Range 4400

(D) Initial Shut-In Pressure 1137 PSI @ (depth) 3967' w/Clock No. 30410

(E) Second Initial Flow Pressure 204 PSI AK1 Recorder No. ~ Range ~

(F) Second Final Flow Pressure 317 PSI @ (depth) ~ w/Clock No. ~

(G) Final Shut-In Pressure 1128 PSI Initial Opening 30 Test ✓

(H) Final Hydrostatic Mud 1887 PSI Initial Shut-In 30 Jars ____

Final Flow 30 Safety Joint ____

Final Shut-In 30 Straddle ____

Circ. Sub ____

Sampler ____

Extra Packer ____

Other ____

TOTAL PRICE $ ✓600.00

Approved By Terry Williamson

Our Representative Gary Pevoteaux

Printcraft Printers - Hays, KS

TRILOBITE TESTING, L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Drill-Stem Test Data

Well Name CORKE #1 Test No. 2 Date 11/21/92

Company CASTLE RESOURCES, INC. Zone LANSING "K&L

Address 1200 E.27th HAYS KANSAS 67601 Elevation 2645

Co. Rep./Geo. TERRY WILLIAMSON Cont. EMPHASIS RIG #8 Est. Ft. of Pay

Location: Sec. 21 Twp. 9S Rge. 26W Co. SHERIDAN State KS

Interval Tested 4090-4160 Drill Pipe Size 4.5 XH

Anchor Length 70 Wt. Pipe I.D. - 2.7 Ft. Run

Top Packer Depth 4085 Drill Collar – 2.25 Ft. Run

Bottom Packer Depth 4090 Mud Wt. 9.2 lb/Gal.

Total Depth 4160 Viscosity 50 Filtrate 9.6

Tool Open @ 10:36 PM Initial Blow FAIR TO STRONG BLOW - BOTTOM OF BUCKET IN 11 MINUTES

Final Blow FAIR TO STRONG BLOW - BOTTOM OF BUCKET IN 23 MINUTES

Recovery - Total Feet 155 Flush Tool? NO

Rec. 402 Feet of GAS IN PIPE

Rec. 55 Feet of CLEAN OIL-5%GAS/95%OIL

Rec. 100 Feet of GSY MUD CUT OIL-15%GAS/50%OIL/35%MUD

Rec. Feet of

Rec. Feet of

BHT 114 °F Gravity 33 °API @ 61 °F Corrected Gravity 33 °API

RW @ °F Chlorides 5000 ppm Recovery Chlorides 5000 ppm System

(A) Initial Hydrostatic Mud 1998.3 PSI AK1 Recorder No. 13278 Range 4400

(B) First Initial Flow Pressure 72.1 PSI @ (depth) 4157 w / Clock No. 22993

(C) First Final Flow Pressure 93.6 PSI AK1 Recorder No. 10248 Range 4400

(D) Initial Shut-in Pressure 371.0 PSI @ (depth) 4152 w / Clock No. 30410

(E) Second Initial Flow Pressure 105.6 PSI AK1 Recorder No. Range

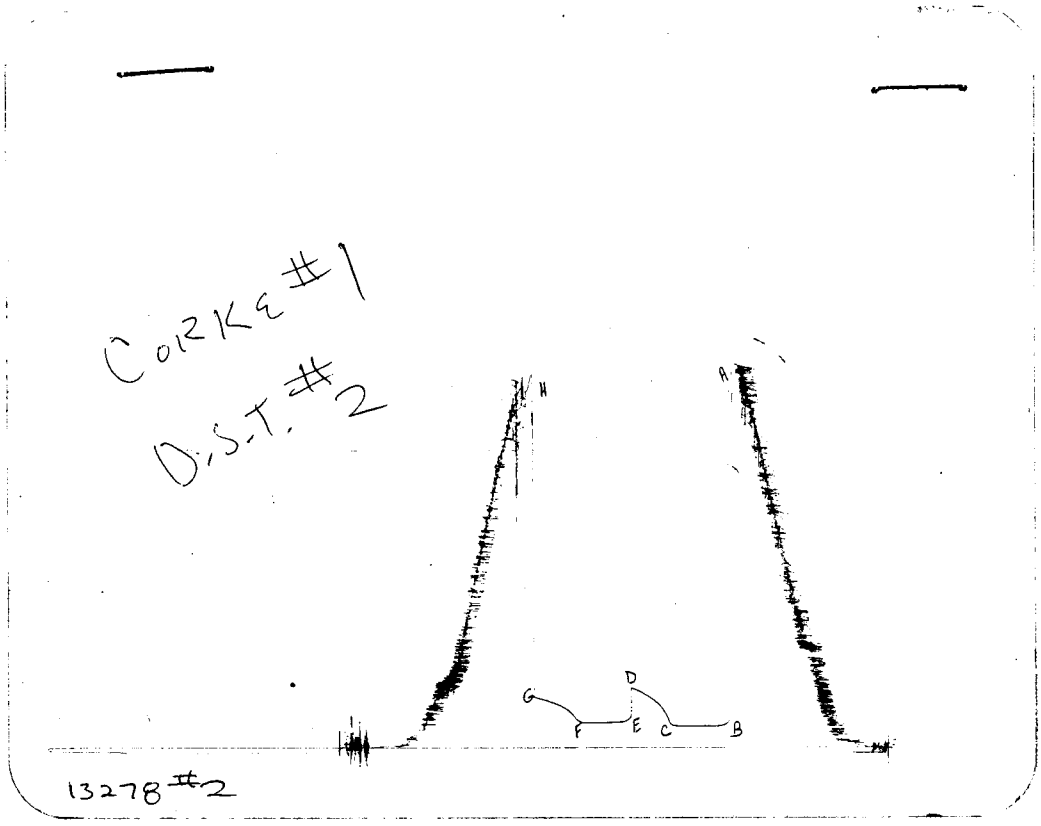
(F) Second Final Flow Pressure 115.8 PSI @ (depth) w / Clock No.

(G) Final Shut-in Pressure 309.9 PSI Initial Opening 35 Final Flow 35

(H) Final Hydrostatic Mud 1988.6 PSI Initial Shut-in 35 Final Shut-in 35

Our Representative GARY PEVOTEAUX

CHART PAGE



This is an actual photograph of recorder chart

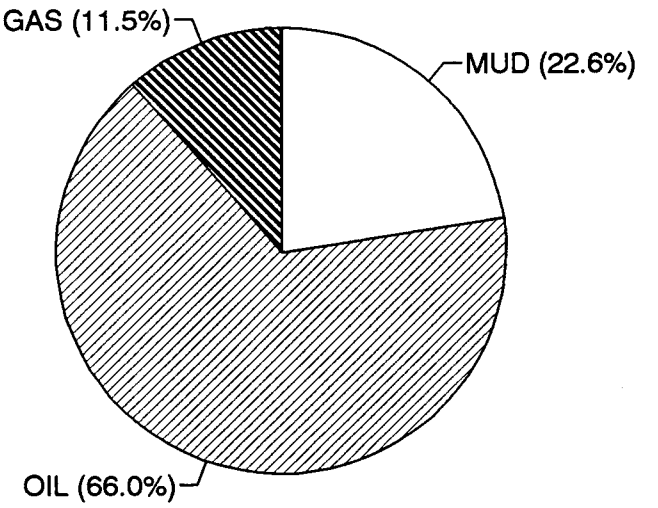
	FIELD READING	OFFICE READING
(A) INITIAL HYDROSTATIC MUD	1994	1998.3
(B) FIRST INITIAL FLOW PRESSURE	62	72.1
(C) FIRST FINAL FLOW PRESSURE	82	93.6
(D) INITIAL CLOSED-IN PRESSURE	366	371
(E) SECOND INITIAL FLOW PRESSURE	95	105.6
(F) SECOND FINAL FLOW PRESSURE	105	115.8
(G) FINAL CLOSED-IN PRESSURE	310	309.9
(H) FINAL HYDROSTATIC MUD	1985	1988.6

CALCULATED RECOVERY ANALYSIS DRILL PIPE

DST # 2 TICKET 5471

SAMPLE	TOTAL	GAS		OIL		WATER		MUD	
#	FEET	%	FEET	%	FEET	%	FEET	%	FEET
1	55	5	2.75	95	52.25	0	0	0	0
2	100	15	15	50	50	0	0	35	35
3			0		0		0		0
4			0		0		0		0
5			0		0		0		0
TOTAL	155	11.451613	17.75	66	102.25	0	0	22.6	35

			HRS	BBL/DAY
BBL OIL=	1.453995	*	1.05	33.234
BBL WATER=	0	*		0
BBL MUD=	0.4977			
BBL GAS	0.252405			



CORKE #1 DST #1
INITIAL SHUTIN

30 TOTAL FLOW TIME

Slope 426.84 psi/cycle
P * 492 psi

	TIME(MIN)	Pws (psi)	Log Horn T	<> PRESSURE	Horn T
	3	173.4	1.041	173.4	11
	6	218.2	0.778	44.8	6
	9	250.1	0.637	31.9	4
	12	275.9	0.544	25.8	4
	15	294.7	0.477	18.8	3
	18	313.5	0.426	18.8	3
	21	328.7	0.385	15.2	2
X	24	340.5	0.352	11.8	2
	27	351.1	0.325	10.6	2
	30	361.6	0.301	10.5	2
X	33	371.1	0.281	9.5	2

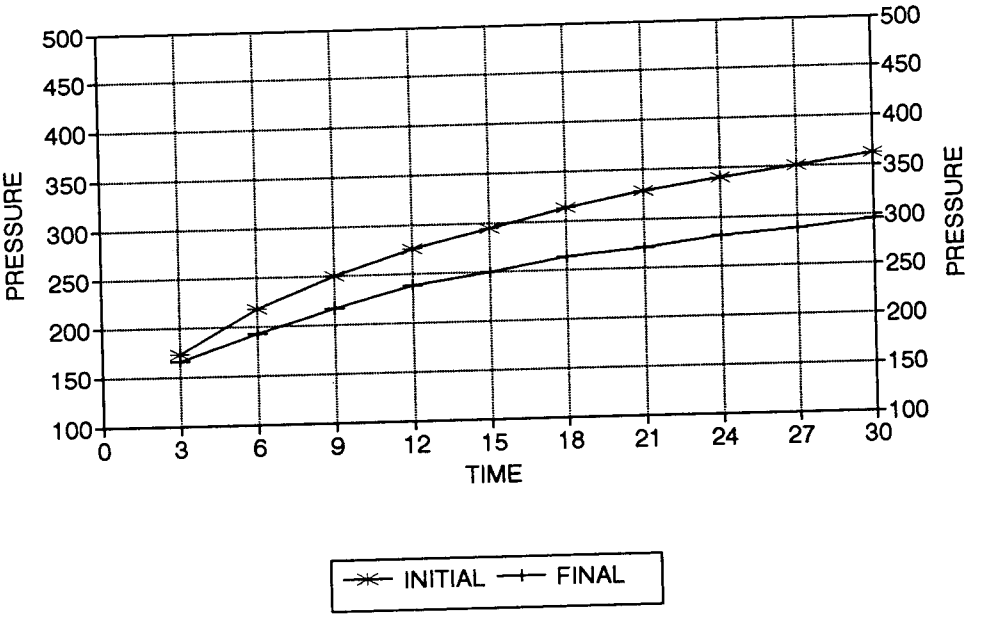
CORKE #1 DST #2
FINAL SHUTIN

60 TOTAL FLOW TIME

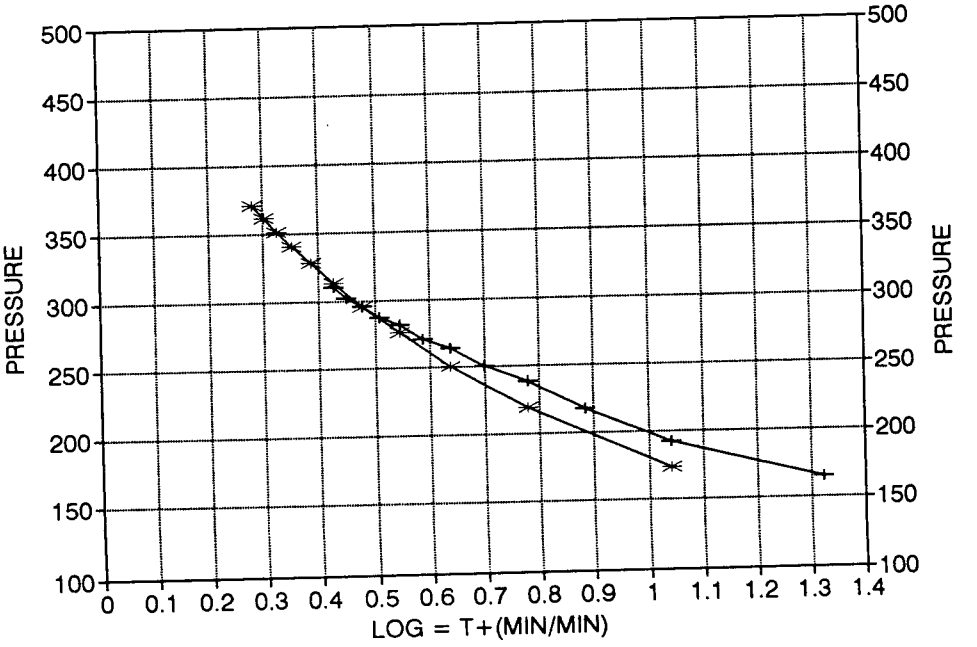
Slope 275.65 psi/cycle
P * 427 psi

		Pws (psi)	Log Horn T	<> PRESSURE	Horn T
	3	165.1	1.322	165.1	21
	6	192.2	1.041	27.1	11
	9	217.1	0.885	24.9	8
	12	238.2	0.778	21.1	6
	15	250.1	0.699	11.9	5
	18	264.1	0.637	14.0	4
	21	271.1	0.586	7.0	4
	24	281.7	0.544	10.6	4
	27	287.6	0.508	5.9	3
X	30	295.8	0.477	8.2	3
	33	301.7	0.450	5.9	3
X	36	309.9	0.426	8.2	3

CORKE #1 / DST #2
DELTA T DELTA P



HORNER PLOT



TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Test Ticket

No 5471

Well Name & No. CORKE # 1 Test No. 2 Date 11-21-92

Company CASTLE RESOURCES Zone Tested LANS. K & L

Address 1200 E. 27TH SUITE C HAYS KS. 67601 Elevation 2695 K.B. EST.

Co. Rep./Geo. TERRY WILLIAMSON Cont. EMPHASIS OIL OPER. INC Est. Ft. of Pay

Location: Sec. 21 Twp. 9S Rge. 26W Co. SHERIDAN State KS.

No. of Copies 5 Distribution Sheet ____ Yes ____ No Turnkey ____ Yes ____ No ____ Evaluation

Interval Tested 4090' - 4160' Drill Pipe Size 4½" X.H.

Anchor Length 70' Top Choke — 1" ✓ Bottom Choke — ¾" ✓

Top Packer Depth 4085' Hole Size — 7⅞" ✓ Rubber Size — 6¾" ✓

Bottom Packer Depth 4090' Wt. Pipe I.D. — 2.7 Ft. Run NONE

Total Depth 4160' Drill Collar — 2.25 Ft. Run NONE

Mud Wt. 9.2 lb / gal. Viscosity 50 Filtrate 9.6 cc.

Tool Open @ 10:36 P.M. Initial Blow Fair to strong blow. (Return of bucket in 11 mins.)

Final Blow Fair to strong blow (Return of bucket in 23 mins.)

Recovery — Total Feet 155' Feet of Gas in Pipe 402' Flush Tool? No

Rec. 55	Feet Of	Clean Oil	5 %gas	95 %oil	%water		%mud
Rec. 100	Feet Of	G.M.C.O.	15 %gas	50 %oil	%water	35	%mud
Rec.	Feet Of		%gas	%oil	%water		%mud
Rec.	Feet Of		%gas	%oil	%water		%mud
Rec.	Feet Of		%gas	%oil	%water		%mud

BHT 114 °F Gravity 33 °API @ 61 °F Corrected Gravity 33 °API

RW N.A. @ ~ °F Chlorides 5,000 ppm Recovery Chlorides 5,000 ppm System

(A) Initial Hydrostatic Mud	1994 PSI	AK1 Recorder No.	13278	Range	4400
(B) First Initial Flow Pressure	62 PSI	@ (depth)	4157'	w/Clock No.	22993
(C) First Final Flow Pressure	82 PSI	AK1 Recorder No.	10248	Range	4400
(D) Initial Shut-In Pressure	366 PSI	@ (depth)	4152'	w/Clock No.	30410
(E) Second Initial Flow Pressure	95 PSI	AK1 Recorder No.	~	Range	~
(F) Second Final Flow Pressure	105 PSI	@ (depth)	~	w/Clock No.	~
(G) Final Shut-In Pressure	310 PSI	Initial Opening	35	Test	✓
(H) Final Hydrostatic Mud	1985 PSI	Initial Shut-In	35	Jars	
		Final Flow	35	Safety Joint	
		Final Shut-In	35	Straddle	
				Circ. Sub	
				Sampler	
				Extra Packer	
				Other	
				TOTAL PRICE $	1600 00

Approved By Terry Williamson

Our Representative Gary Winstead

Printcraft Printers - Hays, KS

WELL NAME Corke DST # 2 RECORDER # 13278

INIT. HYD. MUD. _____ _____ FINAL HYD. MUD _____ _____

	INITIAL FLOW MINUTES 30 INTERVAL		INITIAL SHUTIN MINUTES INTERVAL			FINAL FLOW MINUTES INTERVAL		FINAL SHUTIN MINUTES INTERVAL	
1	113	1245	110		1	131	1543	137	
2			142		2			140	
3			185		3			163	
4			212		4			184	
5			234		5			202	
6			250		6			212	
7			266		7			224	
8			279		8			230	
9	115	1297	289		9			239	
10			298		10	131	1543	244	
11			307		11			251	
12			315	3710	12			256	
13					13			263	3022
14					14				
15					15				
16					16				
17					17				
18					18				
19					19				
20					20				
21					21				
22					22				
23					23				
24					24				
25					25				
26					26				
27					27				

Chs - Hw

0.11	129.7237
0.147	173.4161
0.185	218.2205
0.212	250.0184
0.234	275.8916
0.25	294.7
0.266	313.5012
0.279	328.7719
0.289	340.5154
0.298	351.0821
0.307	361.6364
0.315	371.0129
	0
0.133	156.8804
0.14	165.1477
0.163	192.2866
0.184	217.0417
0.202	238.2533
0.212	250.0184
0.224	264.1327
0.23	271.1884
0.239	281.77
0.244	287.6477
0.251	295.8753
0.256	301.7513
0.263	309.9765