TRILOBITE TESTING COMPANY, L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Drill-Stem Test Data

Well Name HUSH "A" #1 Test No. 1 Date 2/10/92

Company PICKRELL DRILLING CO INC Zone Tested LANSING "A"

Address 110 N MARKET WICHITA KS 67202 Elevation 2724 K.B.

Co. Rep./Geo. TERRY McLEOD Cont. PICKRELL DRLG #1 Est. Ft. of Pay

Location: Sec. 15 Twp. 33S Rge. 30W Co. MEADE State KS

Interval Tested 4500-4557 Drill Pipe Size 4.5 XH

Anchor Length 57 Wt. Pipe I.D. - 2.7 Ft. Run

Top Packer Depth 4495 Drill Collar — 2.25 Ft. Run 182

Bottom Packer Depth 4500

Total Depth 4557

Mud Wt. 9.1 lb / gal. Viscosity 41 Filtrate 10.4

Tool Open @ 8:10 PM Initial Blow STRONG BLOW BUILT TO BOTTOM OF BUCKET IN 2 MIN
ISI:BLED OFF BLOW-WEAK BLOW-BUILT TO BOTTOM OF BUCKET IN 20 MIN

Final Blow BOTTOM OF BUCKET SOON AS TOOL OPENED/FSI:BLED
OFF BLOW-WEAK BLOW BUILT TO BOTTOM OF BUCKET IN 10 MIN-GTS 15 MIN

Recovery — Total Feet 425 Flush Tool? NO

Rec. 60 Feet of GASSY MUD-2%GAS/98%MUD

Rec. 120 Feet of OIL CUT WATERY MUD-3%GAS/2%OIL/5%WTR/90%MUD

Rec. 245 Feet of SALT WATER

Rec. Feet of

Rec. Feet of

BHT 108 °F Gravity °API @ °F Corrected Gravity °API

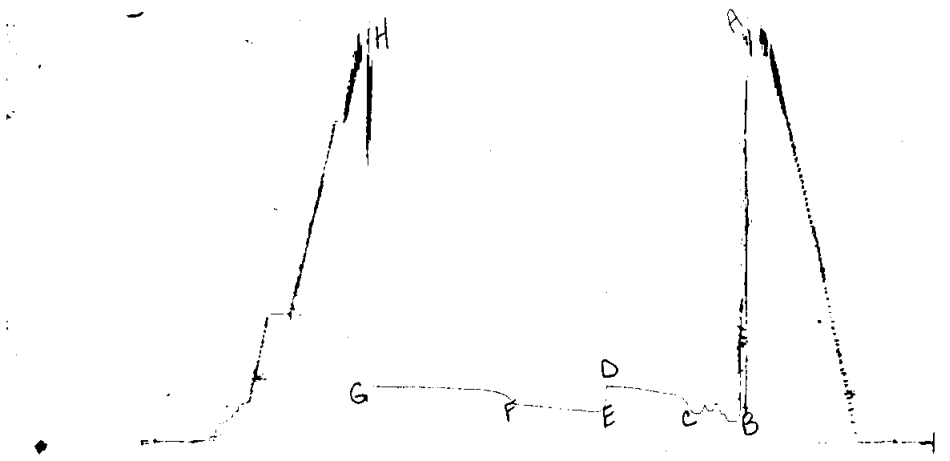
RW 0.28 @ 70 °F Chlorides 25000 ppm Recovery Chlorides 3500 ppm System

(A) Initial Hydrostatic Mud	2208.9 PSI	Ak1 Recorder No.	13277	Range	4125
(B) First Initial Flow Pressure	152.3 PSI	@ (depth)	4504	w/Clock No.	25828
(C) First Final Flow Pressure	196.7 PSI	AK1 Recorder No.	11038	Range	5075
(D) Initial Shut-in Pressure	341.2 PSI	@ (depth	4554	w/Clock No.	3942
(E) Second Initial Flow Pressure	196.7 PSI	AK1 Recorder No.		Range	
(F) Second Final Flow Pressure	233.4 PSI	@ (depth)		w/Clock No.	
(G) Final Shut-in Pressure	341.2 PSI	Initial Opening	30	Final Flow	60
(H) Final Hydrostatic Mud	2177.8 PSI	Initial Shut-in	60	Final Shut-in	90

Our Representative TOM HORACEK TOTAL PRICE $ 600

Printcraft Printers - Hays, KS

DST #1
13277



This is an actual photograph of recorder chart

POINT	PRESSURE FIELD READING	PRESSURE OFFICE READING
(A) INITIAL HYDROSTATIC MUD	2195	2208.9
(B) FIRST INITIAL FLOW PRESSURE	149	152.3
(C) FIRST FINAL FLOW PRESSURE	190	196.7
(D) INITIAL CLOSED-IN PRESSURE	336	341.2
(E) SECOND INITIAL FLOW PRESSURE	190	196.7
(F) SECOND FINAL FLOW PRESSURE	230	233.4
(G) FINAL CLOSED-IN PRESSURE	336	341.2
(H) FINAL HYDROSTATIC MUD	2170	2177.8

TRILOBITE TESTING COMPANY Inc.

P.O. Box 362 • Hays, Kansas 67601

Test Ticket

№ 4428

Well Name & No. HUSH "A" #1 Test No. 1 Date 2-10-92

Company Pickrell Zone Tested Lansing "A"

Address 110 N. Market, Suite 205 Wichita 67202 Elevation 2724 (KB)

Co. Rep./Geo. Terry McLeod Cont. Pickrell Drlg #1 Est. Ft. of Pay

Location: Sec. 15 Twp. 33 Rge. 30 Co. MEADE State Ks.

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

Interval Tested 4500-4557 Drill Pipe Size 4.5 x-Hole

Anchor Length 57' Top Choke — 1" Bottom Choke — ¾"

Top Packer Depth 4495 Hole Size — 7⅞" Rubber Size — 6¾"

Bottom Packer Depth 4500 Wt. Pipe I.D. — 2.7 Ft. Run

Total Depth 4557 Drill Collar — 2.25 Ft. Run 182'

Mud Wt. 9.1 lb/gal. Viscosity 41 Filtrate 12.4

Tool Open @ 8:10 pm Initial Blow strong blow-built to bottom of bucket 2 min.

ISI-bled off blow-weak blow-built to bottom of bucket 2 min.

Final Blow Bottom of bucket soon as tool opened.

FSI-bled off blow-weak blow built to bottom of bucket 1 min. GTS 15 min. FSI

Recovery — Total Feet 425' Feet of Gas in Pipe Flush Tool? NO

Rec.	Feet Of		%gas	%oil	%water	%mud
Rec. 60	Feet Of	gassy mud	2 %gas	%oil	%water	98 %mud
Rec. 120	Feet Of	oil cut watery mud	3 %gas	2 %oil	5 %water	90 %mud
Rec. 245	Feet Of	salt water	%gas	%oil	100 %water	%mud
Rec.	Feet Of		%gas	%oil	%water	%mud

BHT 108 °F Gravity °API @ °F Corrected Gravity °API

RW .28 @ 70 °F Chlorides 25000 ppm Recovery Chlorides 3500 ppm System

(A) Initial Hydrostatic Mud	2195 PSI	AK1 Recorder No.	13277	Range	4,25
(B) First Initial Flow Pressure	149 PSI	@ (depth)	4504	w/Clock No.	25825
(C) First Final Flow Pressure	190 PSI	AK1 Recorder No.	11338	Range	5075
(D) Initial Shut-In Pressure	336 PSI	@ (depth)	4554	w/Clock No.	3942
(E) Second Initial Flow Pressure	190 PSI	AK1 Recorder No.		Range	
(F) Second Final Flow Pressure	230 PSI	@ (depth)		w/Clock No.	
(G) Final Shut-In Pressure	336 PSI	Initial Opening	90	Test	X 550.00
(H) Final Hydrostatic Mud	2170 PSI	Initial Shut-In	60	Jars	
		Final Flow	60	Safety Joint	X 50.00
		Final Shut-In	90	Straddle	
				Circ. Sub	
				Sampler	
				Extra Packer	
				Other	
				TOTAL PRICE $	600.00

TRILOBITE TESTING COMPANY SHALL NOT BE LIABLE FOR DAMAGE OF ANY KIND OF THE PROPERTY OR PERSONNEL OF THE ONE FOR WHOM A TEST IS MADE, OR FOR ANY LOSS SUFFERED OR SUBSTAINED, DIRECTLY OR INDIRECTLY, THROUGH THE USE OF ITS EQUIPMENT, OR ITS STATEMENTS OR OPINION CONCERNING THE RESULTS OF ANY TEST. TOOLS LOST OR DAMAGED IN THE HOLE SHALL BE PAID FOR AT COST BY THE PARTY FOR WHOM THE TEST IS MADE.

Approved By Larry L McLeod

Our Representative Tom Munk

TRILOBITE TESTING COMPANY, L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Drill-Stem Test Data

Well Name HUSH "A" #1 Test No. 2 Date 2/16/92

Company PICKRELL DRILLING CO INC Zone Tested MORROW

Address 110 N MARKET WICHITA KS 67202 Elevation 2724 K.B.

Co. Rep./Geo. TERRY McLEOD Cont. PICKRELL DRLG #1 Est. Ft. of Pay

Location: Sec. 15 Twp. 33S Rge. 30W Co. MEADE State KS

Interval Tested 5670-5728 Drill Pipe Size 4.5 XH

Anchor Length 58 Wt. Pipe I.D. - 2.7 Ft. Run

Top Packer Depth 5665 Drill Collar — 2.25 Ft. Run 182

Bottom Packer Depth 5670

Total Depth 5728

Mud Wt. 9 lb / gal. Viscosity 50 Filtrate 10.8

Tool Open @ 10:03 AM Initial Blow FAIR BLOW -BUILT TO 6" IN 30 MINUTES
ISI:BLED THROUGH 2"-WEAK BLOW BACK ON SHUT IN-BUILT TO 8"(60 MIN)

Final Blow FAIR BLOW - OFF BOTTOM OF BUCKET IN 11 MINUTES
FSI:BLED THROUGH 2"-FAIR BLOW BACK ON SHUTIN -OFF BOTTOM IN 28 MIN

Recovery — Total Feet 5 Flush Tool? NO

Rec. 3890 Feet of GAS IN PIPE

Rec. 5 Feet of DRILLING MUD

Rec. Feet of

Rec. Feet of

Rec. Feet of

BHT 122 °F Gravity °API @ °F Corrected Gravity °API

RW @ °F Chlorides ppm Recovery Chlorides 5000 ppm System

(A) Initial Hydrostatic Mud 2950.4 PSI Ak1 Recorder No. 13277 Range 4125

(B) First Initial Flow Pressure 71.2 PSI @ (depth) 5675 w/Clock No. 17652

(C) First Final Flow Pressure 71.2 PSI AK1 Recorder No. 11038 Range 5075

(D) Initial Shut-in Pressure 71.2 PSI @ (depth 5725 w/Clock No. 3942

(E) Second Initial Flow Pressure 71.2 PSI AK1 Recorder No. Range

(F) Second Final Flow Pressure 71.2 PSI @ (depth) w/Clock No.

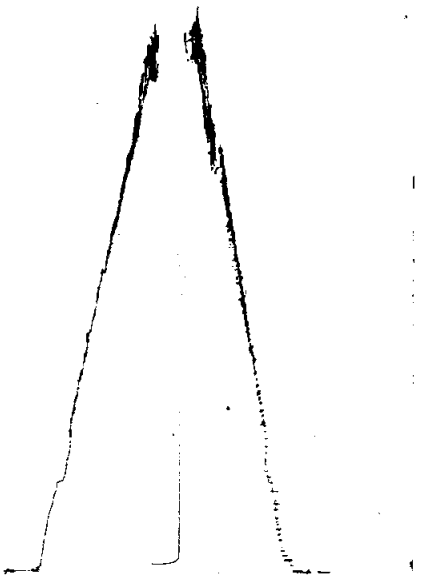
(G) Final Shut-in Pressure 71.2 PSI Initial Opening 30 Final Flow 60

(H) Final Hydrostatic Mud 2890.6 PSI Initial Shut-in 60 Final Shut-in 110

Our Representative TOM HORACEK TOTAL PRICE $ 900

Printcraft Printers - Hays, KS

DST # 2
13277



This is an actual photograph of recorder chart

POINT	PRESSURE FIELD READING	PRESSURE OFFICE READING
(A) INITIAL HYDROSTATIC MUD	2928	2950.4
(B) FIRST INITIAL FLOW PRESSURE	68	71.2
(C) FIRST FINAL FLOW PRESSURE	68	71.2
(D) INITIAL CLOSED-IN PRESSURE	68	71.2
(E) SECOND INITIAL FLOW PRESSURE	68	71.2
(F) SECOND FINAL FLOW PRESSURE	68	71.2
(G) FINAL CLOSED-IN PRESSURE	68	71.2
(H) FINAL HYDROSTATIC MUD	2889	2890.6

TRILOBITE TESTING COMPANY L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Test Ticket

№ 4429

Well Name & No. HUSH "A" #1 Test No. #2 Date 2-16-92

Company PICKRELL Zone Tested MORROW

Address 110 N. MARKET #205, WICHITA, KS 67202 Elevation 2724 (KB)

Co. Rep./Geo. TERRY MCLEOD Cont. PICKRELL DRLG #1 Est. Ft. of Pay

Location: Sec. 15 Twp. 33 Rge. 30 Co. MEADE State KANSAS

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

Interval Tested 5670-5728 Drill Pipe Size 4½" x HOLE

Anchor Length 58' Top Choke — 1" Bottom Choke — ¾"

Top Packer Depth 5665 Hole Size — 7⅞" Rubber Size — 6¾"

Bottom Packer Depth 5670 Wt. Pipe I.D. — 2.7 Ft. Run —

Total Depth 5728 Drill Collar — 2.25 Ft. Run 182'

Mud Wt. 9.0 lb / gal. Viscosity 50 Filtrate 10.8

Tool Open @ 10:03 A.M Initial Blow FAIR BLOW, BUILT TO 6"; (30 MIN)
ISI - BLED THROUGH 2", WEAK BLOW BACK ON SHUT IN, BUILT TO 8" (60 MIN)

Final Blow FAIR BLOW, OFF BOTTOM BUCKET (11 MIN)
FSI - BLED THROUGH 2", FAIR BLOW BACK ON SHUT IN, OFF BOTTOM BUCKET (28 MIN)

Recovery — Total Feet 5' Feet of Gas in Pipe 3890 Flush Tool? NO

Rec. 5'	Feet Of	DRLG MUD	%gas	%oil	%water	100%mud
Rec.	Feet Of		%gas	%oil	%water	%mud
Rec.	Feet Of		%gas	%oil	%water	%mud
Rec.	Feet Of		%gas	%oil	%water	%mud
Rec.	Feet Of		%gas	%oil	%water	%mud

BHT 122° °F Gravity °API @ °F Corrected Gravity °API

RW @ °F Chlorides ppm Recovery Chlorides 5,000 ppm System

(A) Initial Hydrostatic Mud 2928 PSI AK1 Recorder No. 13277 Range 4125

(B) First Initial Flow Pressure 68 PSI @ (depth) 5675 w/Clock No. 17652

(C) First Final Flow Pressure 68 PSI AK1 Recorder No. 11038 Range 5075

(D) Initial Shut-In Pressure 68 PSI @ (depth) 5725 w/Clock No. 3942

(E) Second Initial Flow Pressure 68 PSI AK1 Recorder No. Range

(F) Second Final Flow Pressure 68 PSI @ (depth) w/Clock No.

(G) Final Shut-In Pressure 68 PSI Initial Opening 30 MIN Test X MISRUN 500.00

(H) Final Hydrostatic Mud 2889 PSI Initial Shut-In 60 MIN Jars X

Final Flow 60 MIN Safety Joint X

Final Shut-In 110 MIN Straddle

Circ. Sub X N/C

Sampler

Extra Packer

Other

TOTAL PRICE $ 750.00

Approved By Jerry L. McLeod

Our Representative Dewayne Trusner

Printcraft Printers - Hays, KS

TRILOBITE TESTING COMPANY, L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Drill-Stem Test Data

Well Name HUSH "A" #1 Test No. 3 Date 2/17/92
Company PICKRELL DRILLING CO INC Zone Tested MORROW
Address 110 N MARKET WICHITA KS 67202 Elevation 2724 K.B.
Co. Rep./Geo. TERRY McLEOD Cont. PICKRELL DRLG #1 Est. Ft. of Pay 5
Location: Sec. 15 Twp. 33S Rge. 30W Co. MEADE State KS

Interval Tested 5723-5750 Drill Pipe Size 4.5 XH
Anchor Length 27 Wt. Pipe I.D. - 2.7 Ft. Run
Top Packer Depth 5718 Drill Collar — 2.25 Ft. Run 211
Bottom Packer Depth 5723
Total Depth 5750

Mud Wt. 9.3 lb / gal. Viscosity 52 Filtrate 9.6

Tool Open @ 6:20 AM Initial Blow STRONG BLOW BUILT TO BOTTOM OF BUCKET IN 15 SEC
GAS TO SURFACE IN 4 MINUTES-GAUGED @296 MCF/DAY
Final Blow BOTTOM OF BUCKET SOON AS TOOL OPENED-GAUGED @ 357 MCF

Recovery — Total Feet 210 Flush Tool? NO

Rec. 210 Feet of GASSY HEAVY OIL-30%GAS/70%OIL
Rec. Feet of
Rec. Feet of
Rec. Feet of
Rec. Feet of

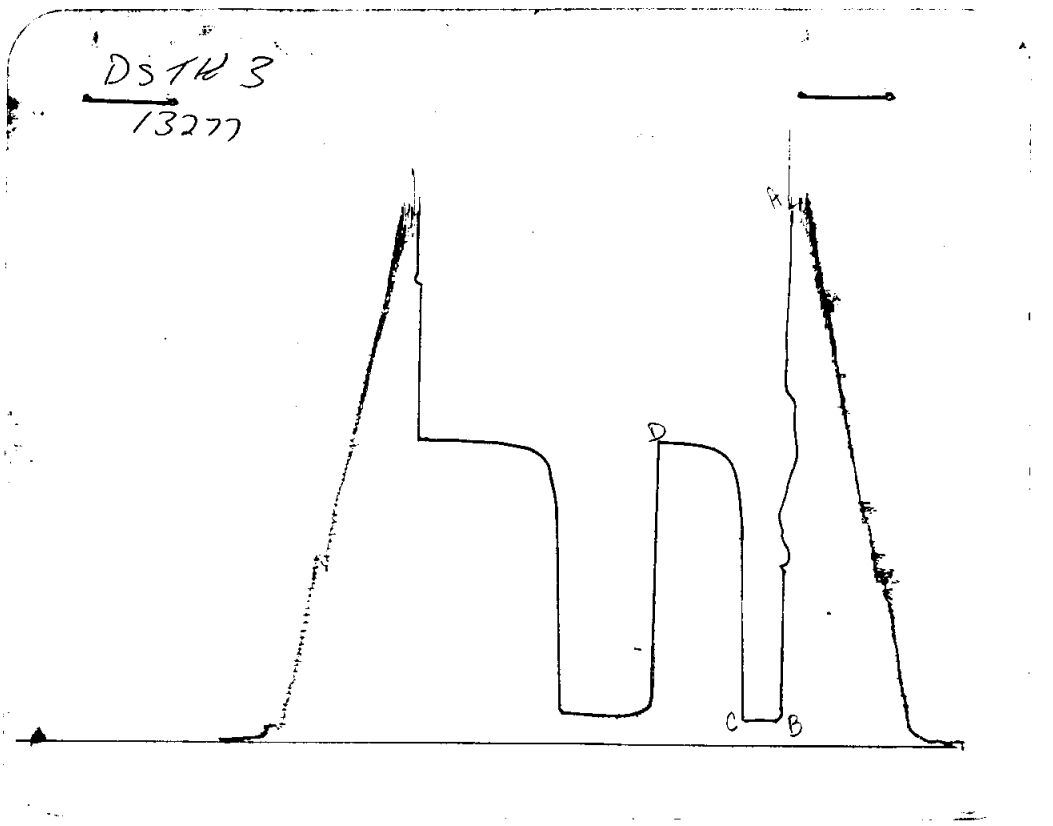
BHT 122 °F Gravity 34 °API @ 60 °F Corrected Gravity 34 °API

RW @ °F Chlorides ppm Recovery Chlorides 4500 ppm System

(A) Initial Hydrostatic Mud	2979.5 PSI	Ak1 Recorder No.	13277	Range	4125
(B) First Initial Flow Pressure	147.1 PSI	@ (depth)	5726	w/Clock No.	17652
(C) First Final Flow Pressure	136.3 PSI	AK1 Recorder No.	11038	Range	5075
(D) Initial Shut-In Pressure	1626.2 PSI	@ (depth	5747	w/Clock No.	3942
(E) Second Initial Flow Pressure	191.5 PSI	AK1 Recorder No.		Range	
(F) Second Final Flow Pressure	159.2 PSI	@ (depth)		w/Clock No.	
(G) Final Shut-In Pressure	1621.1 PSI	Initial Opening	30	Final Flow	60
(H) Final Hydrostatic Mud	2177.8 PSI	Initial Shut-In	60	Final Shut-In	90

Our Representative TOM HORACEK TOTAL PRICE $ 900

Printcraft Printers - Hays, KS



This is an actual photograph of recorder chart

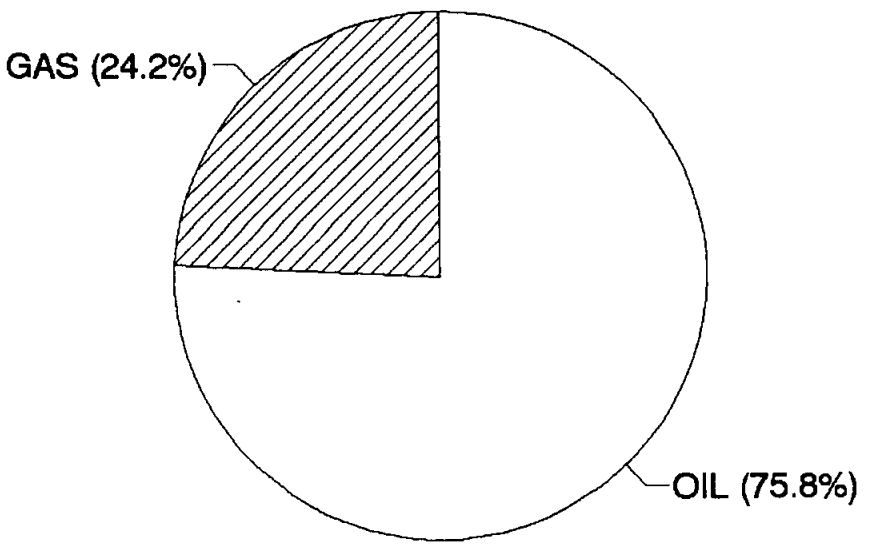
POINT	PRESSURE FIELD READING	PRESSURE OFFICE READING
(A) INITIAL HYDROSTATIC MUD	2838	2979.5
(B) FIRST INITIAL FLOW PRESSURE	95	147.1
(C) FIRST FINAL FLOW PRESSURE	122	136.3
(D) INITIAL CLOSED-IN PRESSURE	1612	1626.2
(E) SECOND INITIAL FLOW PRESSURE	149	191.5
(F) SECOND FINAL FLOW PRESSURE	149	159.2
(G) FINAL CLOSED-IN PRESSURE	1612	1621.1
(H) FINAL HYDROSTATIC MUD	2812	2177.8

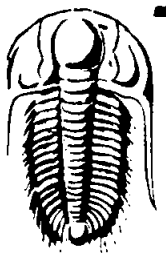
CALCULATED RECOVERY ANALYSIS DRILL COLLARS

DST # 3 TICKET # 4430

SAMPLE #	TOTAL FEET	GAS %	GAS FEET	OIL %	OIL FEET	WATER %	WATER FEET	MUD %	MUD FEET
1	210	30	63	70	147		0		0
2		0	0		0	0	0		0
3		0	0		0	0	0		0
4		0	0		0	0	0		0
5			0		0		0		0
TOTAL	210	30	63	70	147	0	0	0	0

			HRS OPEN	BBL/DAY
BBL OIL=	0.71883	*	1.5	11.5013
BBL WATER	0	*		0
BBL MUD=	0			
BBL GAS=	0.30807			





TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601 • (913) 625-4778

GAS VOLUME REPORT

PICKRELL DRILLING CO INC — OPERATOR

HUSH "A" #1 — WELL NAME AND NO.

3 — DST NO.

Min.	Ins. of Water PSIG	Orifice Size	MCF/D	Min.	Ins. of Water PSIG	Orifice Size	MCF/D
5	26	0.5	211	5	48	326	400.5
10	34	0.5	253	10	56	367	409.5
15	38	0.5	275	15	56	367	431
20	40	0.5	285	20	55	362	497.5
25	41	0.5	290	25	54	357	497.5
30	42	0.5	296	30	54	357	
				35	54	357	
				40	54	357	
				45	54	357	
				50	54	357	
				55	54	357	
				60	54	357	

Remarks:

GAS TO SURFACE IN 4 MINUTES

TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601 • (913) 625-4778

GAS VOLUME REPORT

Pickrell — OPERATOR

Hoffman #1 — WELL NAME AND NO.

3 — DST NO.

Min.	Ins. of Water PSIG	Orifice Size	MCF/D	Min.	Ins. of Water PSIG	Orifice Size	MCF/D
5	26	1/2	211	5	48	1/2	326
10	34	1/2	253	10	56	1/2	367
15	35	1/2	275	15	56	1/2	367
20	40	1/2	285	20	55	1/2	362
25	41	1/2	290	25	54	1/2	357
30	42	1/2	296	30	54	1/2	357
				35	54	1/2	357
				40	54	1/2	357
				45	54	1/2	357
				50	54	1/2	357
				55	54	1/2	357
				60	54	1/2	357

Remarks: GTS in 4 min.

01 NCR

INITIAL FLOW

RECORDER # 11038
DST 1

DT(MIN)	PRESSURE	<> PRESSURE
0	147.1	147.1
3	140.3	-6.800003
6	129.5	-10.8
9	130.9	1.399994
12	140.3	9.400009
15	139	-1.300003
18	136.3	-2.699997
21	136.3	0
24	136.3	0
27	136.3	0
30	136.3	0

FINAL FLOW

RECORDER # 11038
DST 1

DT(MIN)	PRESSURE	<> PRESSURE
0	191.5	191.5
3	180.8	-10.7
6	178.1	-2.699997
9	171.3	-6.800003
12	166	-5.300003
15	161.9	-4.100006
18	160.6	-1.299988
21	159.2	-1.400009
24	159.2	0
27	159.2	0
30	159.2	0
33	159.2	0
36	159.2	0
39	159.2	0
42	159.2	0
45	159.2	0
48	159.2	0
51	159.2	0
54	159.2	0
57	159.2	0
60	159.2	0

INITIAL SHUT-IN BUILDUP
DST #

RECORDER # 11038
INITIAL FLOW TIME (MIN.): 30

MIN	LOG(T+MIN/MIN)	PRESSURE	<> PRESSURE
0	0	136.3	136.3
6	.778011	1394.7	1258.4
12	.5439701	1522.9	128.2001
18	.425892	1572	49.09998
24	.352119	1597.2	25.19995
30	.3009757	1607.3	10.1001
36	.263194	1612.3	5
42	.234041	1617.3	5
48	.2108154	1619.9	2.599976
54	.191851	1623.6	3.699951
60	.1760595	1626.2	2.599976

FINAL SHUT-IN BUILDUP
DST #

RECORDER # 11038
TOTAL FLOW TIME (MIN.): 90

MIN	LOG(T+MIN/MIN)	PRESSURE	<> PRESSURE
0	0	159.2	159.2
6	1.203903	1455.1	1295.9
12	.9292515	1540.5	85.40002
18	.778011	1577	36.5
24	.6765717	1594.7	17.69995
30	.6019515	1604.8	10.1001
36	.5439701	1609.8	5
42	.4972351	1616.1	6.299927
48	.4585552	1617.3	1.200073
54	.425892	1618.6	1.299927
60	.3978683	1621.1	2.5
66	.3735134	1621.1	0
72	.352119	1621.1	0
78	.3331547	1621.1	0
84	.316213	1621.1	0
90	.3009757	1621.1	0

WELL NAME Hush DST # 3 RECORDER # 11038

INIT. HYD. MUD. 2.320 2979.5 FINAL HYD. MUD 2.315 2973.1

INITIAL FLOW MINUTES 30 INTERVAL 3		INITIAL SHUTIN MINUTES 60 INTERVAL 6			FINAL FLOW MINUTES 60 INTERVAL 3		FINAL SHUTIN MINUTES 90 INTERVAL 6	
.108	147.1	—		1	.141	191.5	—	
.103		1.077		2	.133		1.125	
.095		1.179		3	.131		1.193	
.096		1.218		4	.126		1.222	
.103		1.238		5	.122		1.236	
.102		1.246		6	.119		1.244	
.100		1.250		7	.118		1.248	
.100		1.254		8	.117		1.253	
.100		1.256		9	.117		1.254	
.100		1.259		10	.117		1.255	
.100	136.3	1.261	1626.2	11	.117		1.257	
				12	.117		1.257	
				13	.117		1.257	
				14	.117		1.257	
				15	.117		1.257	
				16	.117		1.257	1621.1
				17	.117			
				18	.117			
				19	.117			
				20	.117			
				21	.117	159.2		
				22				
				23				
				24				
				25				
				26				
				27				

0.1	136.34
1.077	1394.782
1.179	1522.99
1.218	1572.042
1.238	1597.247
1.246	1607.324
1.25	1612.361
1.254	1617.398
1.256	1619.916
1.259	1623.692
1.261	1626.21

0.117	159.2818
1.125	1455.108
1.193	1540.56
1.222	1577.085
1.236	1594.728
1.244	1604.805
1.248	1609.843
1.253	1616.139
1.254	1617.398
1.255	1618.657
1.257	1621.175
1.257	1621.175
1.257	1621.175
1.257	1621.175
1.257	1621.175
1.257	1621.175

0.108	147.1447
0.103	140.3935
0.095	129.5937
0.096	130.9435
0.103	140.3935
0.102	139.0426
0.1	136.34
0.1	136.34
0.1	136.34
0.1	136.34
0.1	136.34

0.141	191.5534
0.133	180.8114
0.131	178.1235
0.126	171.3996
0.122	166.0163
0.119	161.9763
0.118	160.6292
0.117	159.2818
0.117	159.2818
0.117	159.2818

TRILOBITE TESTING COMPANY L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Test Ticket

№ 4430

Well Name & No. Hush "A" #1 Test No. #3 Date 2-17-92

Company Pickrell Zone Tested Morrow

Address 110 N Market Suite 205 Wichita Ks. 67202 Elevation 2724 (KB)

Co. Rep./Geo. Terry McLeod Cont. Pickrell Drlg #1 Est. Ft. of Pay 5'

Location: Sec. 15 Twp. 33 Rge. 30 Co. Meade State Ks.

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

Interval Tested 5723-5750 Drill Pipe Size 4.5 x-Hole

Anchor Length 27 Top Choke — 1" ____ Bottom Choke — ¾" ____

Top Packer Depth 5718 Hole Size — 7⅞" ____ Rubber Size — 6¾" ____

Bottom Packer Depth 5723 Wt. Pipe I.D. — 2.7 Ft. Run —

Total Depth 5750 Drill Collar — 2.25 Ft. Run 211'

Mud Wt. 9.3 lb/gal. Viscosity 52 Filtrate 9.6

Tool Open @ 6:20 AM Initial Blow strong blow built to bottom of bucket 15 sec. GTS in 4 min. (Gauged 296 MCF)

Final Blow Bottom of bucket soon as tool opened (Gauged @ 357 MCF)

Recovery — Total Feet 210 Feet of Gas in Pipe ____ Flush Tool? NO

Rec. ____	Feet Of ____	%gas	%oil	%water	%mud
Rec. ____	Feet Of ____	%gas	%oil	%water	%mud
Rec. 210	Feet Of GHO	30 %gas	70 %oil	%water	%mud
Rec. ____	Feet Of ____	%gas	%oil	%water	%mud
Rec. ____	Feet Of ____	%gas	%oil	%water	%mud

BHT 122 °F Gravity 34 °API @ 60 °F Corrected Gravity 34 °API

RW ____ @ ____ °F Chlorides ____ ppm Recovery Chlorides 4500 ppm System

(A) Initial Hydrostatic Mud	2838 PSI	AK1 Recorder No.	13277	Range	4125
(B) First Initial Flow Pressure	95 PSI	@ (depth)	5726	w/Clock No.	17652
(C) First Final Flow Pressure	122 PSI	AK1 Recorder No.	11638	Range	5075
(D) Initial Shut-In Pressure	1612 PSI	@ (depth)	5747	w/Clock No.	3942
(E) Second Initial Flow Pressure	149 PSI	AK1 Recorder No.	____	Range	____
(F) Second Final Flow Pressure	149 PSI	@ (depth)	____	w/Clock No.	____
(G) Final Shut-In Pressure	1612 PSI	Initial Opening	30	Test	X 650.00
(H) Final Hydrostatic Mud	2812 PSI	Initial Shut-In	60	Jars	X 200.00
		Final Flow	60	Safety Joint	X 50.00
		Final Shut-In	90	Straddle	____
				Circ. Sub	____
				Sampler	____
				Extra Packer	____
				Other	____
				TOTAL PRICE $	1000.00

TRILOBITE TESTING COMPANY SHALL NOT BE LIABLE FOR DAMAGE OF ANY KIND OF THE PROPERTY OR PERSONNEL OF THE ONE FOR WHOM A TEST IS MADE, OR FOR ANY LOSS SUFFERED OR SUBSTAINED, DIRECTLY OR INDIRECTLY, THROUGH THE USE OF ITS EQUIPMENT, OR ITS STATEMENTS OR OPINION CONCERNING THE RESULTS OF ANY TEST. TOOLS LOST OR DAMAGED IN THE HOLE SHALL BE PAID FOR AT COST BY THE PARTY FOR WHOM THE TEST IS MADE.

Approved By Terry McLeod

Our Representative Tom Hawes

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