

TRILOBITE TESTING, L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Drill-Stem Test Data

Well Name KACHELMAN #1 Test No. 1 Date 7/9/92
Company BENSON-McCOWN COMPANY Zone MISSISSIPPI
Address 1616 S KENTUCKY BLDG, C-305 AMARILLO TX 79102-2249 Elevation 1965
Co. Rep./Geo. GORDON PRATHER Cont. EMPHASIS RIG #5 Est. Ft. of Pay _____
Location: Sec. 13 Twp. 25S Rge. 14W Co. STAFFORD State KS

Interval Tested	<u>4068-4082</u>	Drill Pipe Size	<u>4.5" XH</u>
Anchor Length	<u>14</u>	Wt. Pipe I.D. - 2.7 Ft. Run	<u>636</u>
Top Packer Depth	<u>4063</u>	Drill Collar - 2.25 Ft. Run	_____
Bottom Packer Depth	<u>4068</u>	Mud Wt.	<u>9.4</u> lb/Gal.
Total Depth	<u>4082</u>	Viscosity	<u>49</u>
		Filtrate	<u>10</u>

Tool Open @ 8:42 AM Initial Blow BOTTOM OF BUCKET IN 20 SECONDS

Final Blow BOTTOM OF BUCKET IN 10 SECONDS
GAS TO SURFACE 45 MIN INTO FINAL FLOW-TOO SMALL TO MEASURE

Recovery - Total Feet 5 Flush Tool? NO

Rec. <u>5</u>	Feet of	<u>GAS TO SURFACE</u>
Rec. <u>5</u>	Feet of	<u>GASSY MUD-10%GAS/90%MUD</u>
Rec. _____	Feet of	_____
Rec. _____	Feet of	_____
Rec. _____	Feet of	_____

BHT 118 °F Gravity _____ °API @ _____ °F Corrected Gravity _____ °API
RW _____ @ _____ °F Chlorides _____ ppm Recovery Chlorides 3000 ppm System

(A) Initial Hydrostatic Mud 2315.6 PSI AK1 Recorder No. 13754 Range 4000

(B) First Initial Flow Pressure 40.9 PSI @ (depth) 4072 w / Clock No. 27567

(C) First Final Flow Pressure 40.9 PSI AK1 Recorder No. 7437 Range 4200

(D) Initial Shut-in Pressure 1344.5 PSI @ (depth) 4078 w / Clock No. 26199

(E) Second Initial Flow Pressure 39.8 PSI AK1 Recorder No. _____ Range _____

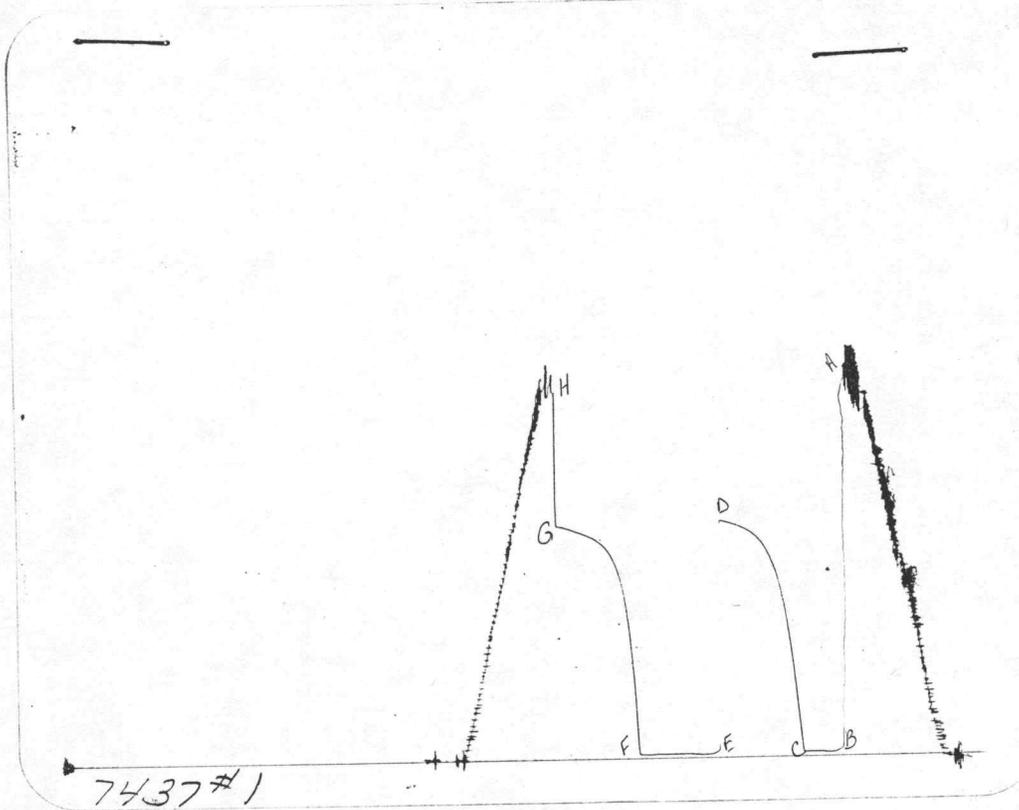
(F) Second Final Flow Pressure 39.8 PSI @ (depth) _____ w / Clock No. _____

(G) Final Shut-in Pressure 1322.4 PSI Initial Opening 30 Final Flow 60

(H) Final Hydrostatic Mud 2144.7 PSI Initial Shut-in 60 Final Shut-in 60

Our Representative DAN BANGLE

CHART PAGE



This is an actual photograph of recorder chart

	FIELD READING	OFFICE READING
(A) INITIAL HYDROSTATIC MUD	2309	2315.6
(B) FIRST INITIAL FLOW PRESSURE	39	40.9
(C) FIRST FINAL FLOW PRESSURE	39	40.9
(D) INITIAL CLOSED-IN PRESSURE	1336	1344.5
(E) SECOND INITIAL FLOW PRESSURE	39	39.8
(F) SECOND FINAL FLOW PRESSURE	39	39.8
(G) FINAL CLOSED-IN PRESSURE	1316	1322.4
(H) FINAL HYDROSTATIC MUD	2137	2144.7

TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Test Ticket

No 5320

759461

Well Name & No.	Kachelman #1	Test No.	1	Date	7-9-92
Company	Benson-McCown & Co.	Zone Tested	Miss		
Address	1616 S. Kentucky Bldg. C-305, Amarillo, Tex.				
Co. Rep./Geo.	Gordon Prather	Cont.	Emphasis #5	Est. Ft. of Pay	
Location: Sec.	13	Twp.	25	Rge.	14
				Co.	Stafford
				State	Ks.
No. of Copies	5	Distribution Sheet	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Turnkey	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
				Evaluation	

Interval Tested	4068-4082	Drill Pipe Size	4.5 XH
Anchor Length	14	Top Choke	1"
Top Packer Depth	4063	Bottom Choke	3/4"
Bottom Packer Depth	4068	Hole Size	7 7/8"
Total Depth	4082	Rubber Size	6 3/4"
Mud Wt.	9.4	Wt. Pipe I.D.	2.7 Ft. Run 636
	lb/gal.	Drill Collar	2.25 Ft. Run
Tool Open @	8:42 a.m.	Viscosity	49
Initial Blow	B.O.B. in 20 sec.	Filtrate	10

Final Blow B.O.B. in 10 sec.

G.T.S. 45 min into FF (TSTM)

Recovery - Total Feet 5 Feet of Gas in Pipe G.T.S. Flush Tool?

Rec.	Feet Of	% gas	% oil	% water	% mud
5	Gsym	10		90	

BHT 118 °F Gravity °API @ °F Corrected Gravity °API

RW @ °F Chlorides ppm Recovery Chlorides 3,000 ppm System

- (A) Initial Hydrostatic Mud 2309 PSI Ak1 Recorder No. 13754 Range 4000
- (B) First Initial Flow Pressure 39 PSI @ (depth) 4072 w/Clock No. 27567
- (C) First Final Flow Pressure 39 PSI AK1 Recorder No. 7437 Range 4200
- (D) Initial Shut-In Pressure 1336 PSI @ (depth) 4078 w/Clock No. 26199
- (E) Second Initial Flow Pressure 39 PSI AK1 Recorder No. Range
- (F) Second Final Flow Pressure 39 PSI @ (depth) w/Clock No.
- (G) Final Shut-In Pressure 1316 PSI Initial Opening 30 Test 550 °°
- (H) Final Hydrostatic Mud 2137 PSI Initial Shut-In 60 Jars

TRILOBITE TESTING L.L.C. 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 SUSTAINED, 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.

Final Flow 60 Safety Joint
Final Shut-In 60 Straddle
Circ. Sub
Sampler

Approved By _____

Our Representative Dan Bangler

Printcraft Printers - Hays, KS

Extra Packer _____

Other _____

TOTAL PRICE \$ _____

TRILOBITE TESTING, L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Drill-Stem Test Data

Well Name KACHELMAN #1 Test No. 2 Date 7/10/92
Company BENSON-McCOWN COMPANY Zone MISSISSIPPI
Address 1616 S KENTUCKY BLDG, C-305 AMARILLO TX 79102-2249 Elevation 1965
Co. Rep./Geo. GORDON PRATHER Cont. EMPHASIS RIG #5 Est. Ft. of Pay 6
Location: Sec. 13 Twp. 25S Rge. 14W Co. STAFFORD State KS

Interval Tested	<u>4275-4294</u>	Drill Pipe Size	<u>4.5" XH</u>
Anchor Length	<u>19</u>	Wt. Pipe I.D. - 2.7 Ft. Run	<u>636</u>
Top Packer Depth	<u>4270</u>	Drill Collar - 2.25 Ft. Run	<u> </u>
Bottom Packer Depth	<u>4275</u>	Mud Wt.	<u>9.4</u> lb/Gal.
Total Depth	<u>7294</u>	Viscosity	<u>46</u> Filtrate <u>15.2</u>

Tool Open @ 4:39 PM Initial Blow BOTTOM OF BUCKET IN 3 MINUTES

Final Blow BOTTOM OF BUCKET IN 4 MINUTES

Recovery - Total Feet 2340 Flush Tool? NO

Rec. <u>575</u>	Feet of	<u>GAS IN PIPE</u>
Rec. <u>107</u>	Feet of	<u>CLEAN GASSY OIL-20%GAS/80%OIL</u>
Rec. <u>310</u>	Feet of	<u>FROTHY OIL-40%GAS/60%OIL</u>
Rec. <u>248</u>	Feet of	<u>WATER CUT OIL-70%OIL/30%WATER</u>
Rec. <u>1675</u>	Feet of	<u>OIL CUT WATER-10%OIL/90%WATER</u>

BHT 121 °F Gravity °API @ °F Corrected Gravity 34 °API
RW 0.36 @ 81 °F Chlorides 26000 ppm Recovery Chlorides 10000 ppm System

(A) Initial Hydrostatic Mud 2343.9 PSI AK1 Recorder No. 13754 Range 4000

(B) First Initial Flow Pressure 105.3 PSI @ (depth) 4279 w / Clock No. 26199

(C) First Final Flow Pressure 450.7 PSI AK1 Recorder No. 7437 Range 4200

(D) Initial Shut-in Pressure 1465.9 PSI @ (depth) 4290 w / Clock No. 31152

(E) Second Initial Flow Pressure 486.2 PSI AK1 Recorder No. Range

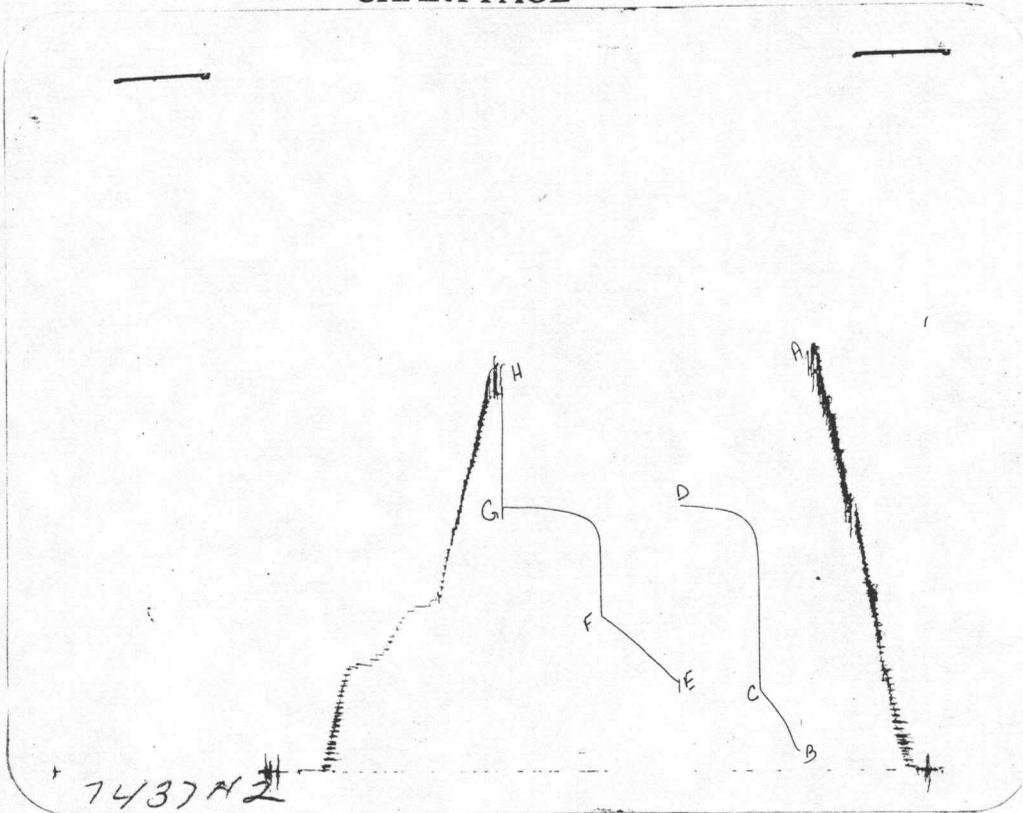
(F) Second Final Flow Pressure 840.9 PSI @ (depth) w / Clock No.

(G) Final Shut-in Pressure 1463.9 PSI Initial Opening 30 Final Flow 90

(H) Final Hydrostatic Mud 2199.9 PSI Initial Shut-in 60 Final Shut-in 90

Our Representative DAN BANGLE

CHART PAGE



This is an actual photograph of recorder chart

	FIELD READING	OFFICE READING
(A) INITIAL HYDROSTATIC MUD	2329	2343.9
(B) FIRST INITIAL FLOW PRESSURE	98	105.3
(C) FIRST FINAL FLOW PRESSURE	442	450.7
(D) INITIAL CLOSED-IN PRESSURE	1446	1465.9
(E) SECOND INITIAL FLOW PRESSURE	482	486.2
(F) SECOND FINAL FLOW PRESSURE	837	840.9
(G) FINAL CLOSED-IN PRESSURE	1436	1463.9
(H) FINAL HYDROSTATIC MUD	2188	2199.9

COMPUTER EVALUATION BY TRILOBITE TESTING, L.L.C.

BENSON-McCOWN COMP KACHELMAN #1 DST 2
 13 25S 14W STAFFORD KS

 ELEVATION: 1965 KB EST. PAY 6 FT
 DATUM: -4280 ZONE TESTED: MISSISSIPPI
 TEST INTERVAL: 4275-4294 TIME INTERVALS: 30-60-60-90
 RECORDER DEPTH: 4279 VISCOSITY: 10.183 CP
 BOTTOM HOLE TEMP: 121 HOLE SIZE: 7.875 IN

CUBIC FEET OF GAS IN PIPE: 45.91
 TOTAL FEET OF RECOVERY: 2340.00 CORRECTED PIPE FILLUP: 2272.703
 TOTAL BARRELS OF RECOVERY: 28.68 CORR. BARRELS OF RECOVERY: 27.716 BBL
 BARRELS IN DRILL PIPE: 24.23 API GRAVITY: 34
 BARRELS IN WEIGHT PIPE: 4.45 FLUID GRADIENT: 0.370
 BARRELS IN DRILL COLLARS: 0.00
 GAS OIL RATIO: 1.6005 CU.FT/BBL
 BUBBLE POINT PRESSURE: 19.595
 UNCORRECTED INITIAL PRODUCTION: 458.93 BBL
 INITIAL PRODUCTION CORRECTED TO FINAL FLOW PRESSURE: 443.45 BBL/DAY
 INITIAL PRODUCTION CORRECTED TO PSEUDO STEADY FLOW STATE: 247.681

INITIAL SLOPE 206.87 PSI/CYCLE FINAL SLOPE 31.07 PSI/CYCLE
 INITIAL P* 1501 PSI FINAL P* 1473 PSI

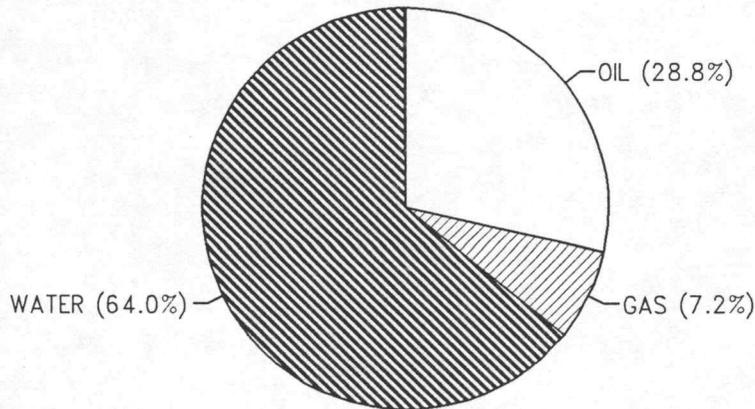
TRANSMISSIBILITY 2320.70 (MD.-FT./CP.)
 PERMEABILITY 3938.66 (MD.)
 INDICATED FLOW CAPACITY 23631.94 (MD.FT)
 PRODUCTIVITY INDEX 2.62 (BARRELS/DAY/PSI)
 DAMAGE RATIO 3.72
 RADIUS OF INVESTIGATION 595.38 (FT,)
 POTENTIOMETRIC SURFACE -862.53 (FT.)
 DRAWDOWN FACTOR 1.841 (%)

CALCULATED RECOVERY ANALYSIS

DST # 2 TICKET # 5321

SAMPLE #	TOTAL FEET	GAS		OIL		WATER		MUD	
		%	FEET	%	FEET	%	FEET	%	FEET
DRILL 1	107	20	21.4	80	85.6	0	0	0	0
PIPE 2	310	40	124	60	186	0	0	0	0
3	248	0	0	70	173.6	30	74.4	0	0
4	1039	0	0	10	103.9	90	935.1	0	0
5			0		0		0		0
6			0		0		0		0
WEIGHT 1	636	0	0	10	63.6	90	572.4	0	0
PIPE 2			0		0		0		0
3			0		0		0		0
4			0		0		0		0
DRILL 1			0		0		0		0
COLLAR 2			0		0		0		0
3			0		0		0		0
4			0		0		0		0
5			0		0		0		0
TOTAL	2340		145.4		612.7		1581.9		0

		HRS OPEN	BBL/DAY
BBL OIL=	8.253402	*	1.5 132.05443
BBL WATER=	18.36189	*	293.79024
BBL MUD=	0		
BBL GAS =	2.067588		



INITIAL FLOW

RECORDER #	13754	DST # 2
TIME(MIN)	PRESSURE	<>PRESSURE

0	105.3	105.3
3	170.2	64.9
6	221.4	51.2
9	263.7	42.3
12	296.2	32.5
15	322.8	26.6
18	352.3	29.5
21	377.9	25.6
24	403.5	25.6
27	427.1	23.6
30	450.7	23.6

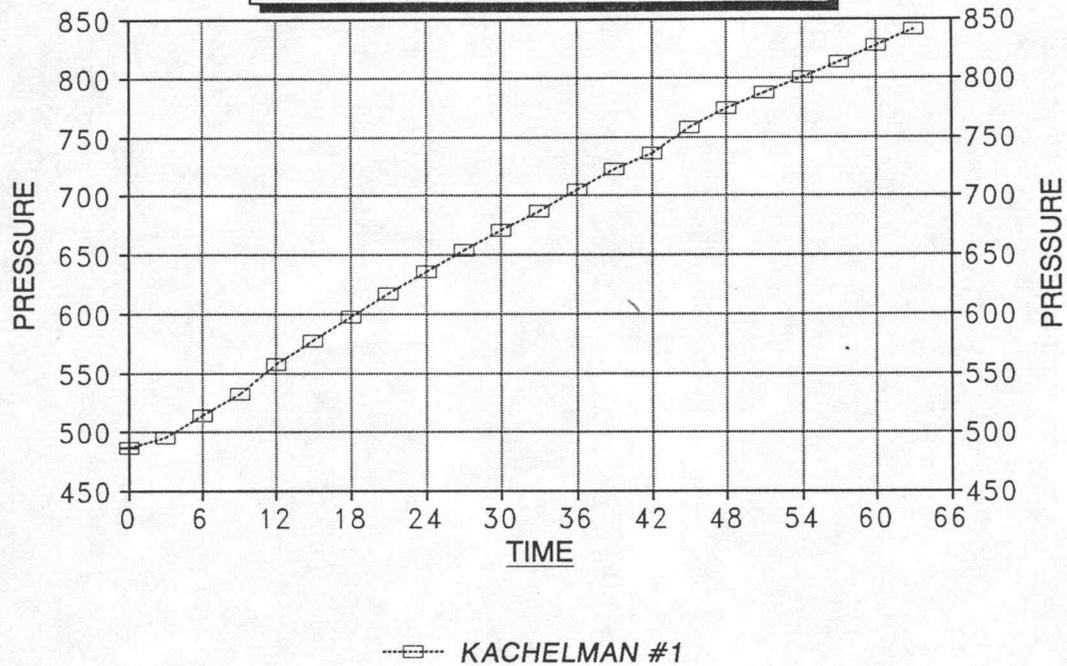
FINAL FLOW

RECORDER #	13754	DST # 2
TIME(MIN)	PRESSURE	<> PRESSURE

0	486.2	486.2
3	495	8.8
6	513.8	18.8
9	532.6	18.8
12	557.3	24.7
15	577	19.7
18	597.8	20.8
21	616.5	18.7
24	635.3	18.8
27	653.1	17.8
30	669.9	16.8
33	685.7	15.8
36	704.5	18.8
39	722.3	17.8
42	736.1	13.8
45	757.8	21.7
48	774.7	16.9
51	787.5	12.8
54	800.3	12.8
57	813.2	12.9
60	827.1	13.9
63.0	840.9	13.8

DELTA T DELTA P

FINAL FLOW - DST #2



INITIAL PRODUCTION CORRECTED TO PSEUDO STEADY FLOW STATE:

247.681

KACHELMAN #1
INITIAL

DST #2
SHUTIN
30 TOTAL FLOW

TIME

Slope
P *

206.87 psi/cycle
1501 psi

TIME(MIN)	Pws (psi)	Log Horn T	<> PRESSURE	Horn T
3	1328.9	1.041	1328.9	11
6	1359.9	0.778	31.0	6
9	1379.9	0.637	20.0	4
12	1395.9	0.544	16.0	4
15	1404.9	0.477	9.0	3
18	1415.9	0.426	11.0	3
21	1421.9	0.385	6.0	2
24	1429.9	0.352	8.0	2
27	1435.9	0.325	6.0	2
30	1439.9	0.301	4.0	2
33	1444.9	0.281	5.0	2
36	1447.9	0.263	3.0	2
39	1451.9	0.248	4.0	2
42	1454.9	0.234	3.0	2
45	1455.9	0.222	1.0	2
48	1456.9	0.211	1.0	2
51	1458.9	0.201	2.0	2
54	1460.9	0.192	2.0	2
X 57	1462.9	0.184	2.0	2
60	1464.9	0.176	2.0	2
X 63	1465.9	0.169	1.0	1

KACHELMAN #1
FINAL

DST #2
SHUTIN

90 TOTAL FLOW

TIME

Slope
P *

31.07 psi/cycle
1473 psi

Log <>

TIME(MIN)

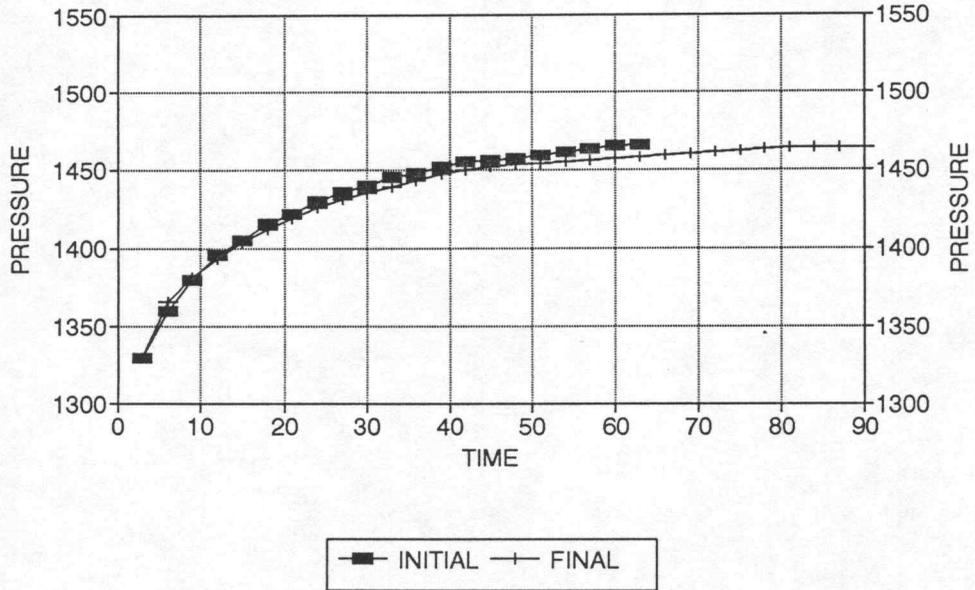
Pws (psi)

Horn T PRESSURE

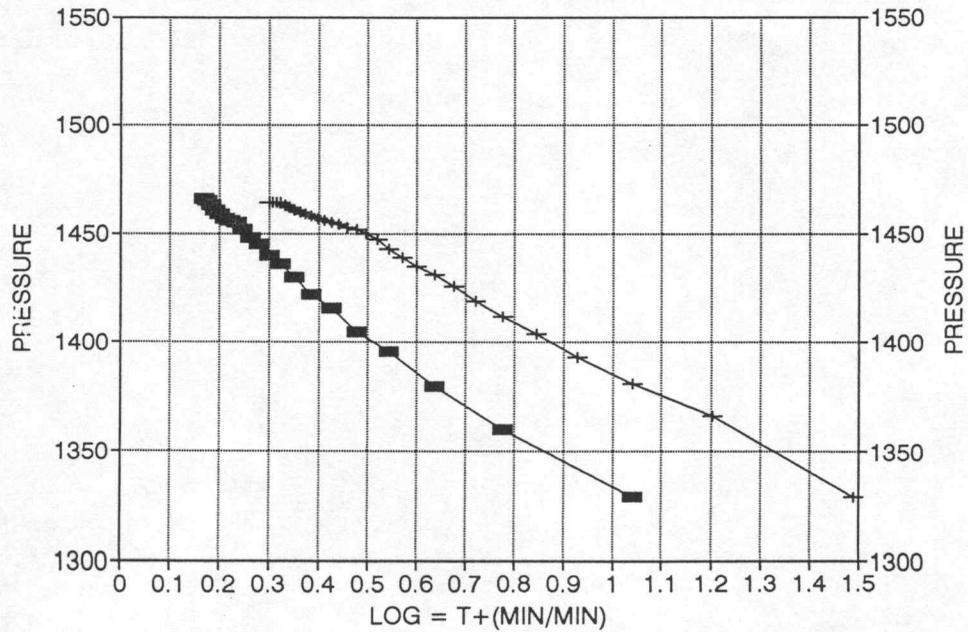
Horn T

	3	1328.9	1.491	1328.9	31
	6	1365.9	1.204	37.0	16
	9	1380.9	1.041	15.0	11
	12	1392.9	0.929	12.0	9
	15	1403.9	0.845	11.0	7
	18	1411.9	0.778	8.0	6
	21	1418.9	0.723	7.0	5
	24	1425.9	0.677	7.0	5
	27	1430.9	0.637	5.0	4
	30	1434.9	0.602	4.0	4
	33	1438.9	0.571	4.0	4
	36	1442.9	0.544	4.0	4
	39	1446.9	0.520	4.0	3
	42	1449.9	0.497	3.0	3
	45	1451.9	0.477	2.0	3
	48	1452.9	0.459	1.0	3
	51	1453.9	0.442	1.0	3
	54	1454.9	0.426	1.0	3
	57	1455.9	0.411	1.0	3
	60	1456.9	0.398	1.0	3
	63	1457.9	0.385	1.0	2
	66	1458.9	0.374	1.0	2
	69	1459.9	0.363	1.0	2
	72	1460.9	0.352	1.0	2
	75	1461.9	0.342	1.0	2
X	78	1462.9	0.333	1.0	2
	81	1463.9	0.325	1.0	2
	84	1463.9	0.316	0.0	2
	87	1463.9	0.308	0.0	2
X	90	1463.9	0.301	0.0	2

KACHELMAN #1 / DST #2 DELTA T DELTA P



HORNER PLOT



0.107	105.3196
0.173	170.2768
0.225	221.4572
0.268	263.782
0.301	296.2642
0.328	322.8379
0.358	352.364
0.384	377.953
0.41	403.5429
0.434	427.166
0.458	450.7892

0.494	486.2241
0.503	495.0917
0.522	513.8515
0.541	532.6155
0.566	557.3116
0.586	577.0737
0.607	597.8237
0.626	616.5917
0.645	635.363
0.663	653.1495
0.68	669.9506
0.696	685.7658
0.715	704.5384
0.733	722.3226
0.747	736.1564
0.769	757.8981
0.786	774.7009
0.799	787.5514
0.812	800.3944
0.825	813.2374
0.829	817.1894
0.853	840.9026

0.458	450.7892
1.343	1328.981
1.374	1359.985
1.394	1379.996
1.41	1395.994
1.419	1404.99
1.43	1415.986
1.436	1421.985
1.444	1429.984
1.45	1435.983
1.454	1439.983
1.459	1444.984
1.462	1447.984
1.466	1451.985
1.469	1454.986
1.47	1455.986
1.471	1456.986
1.473	1458.987
1.475	1460.988
1.477	1462.988
1.479	1464.989
1.48	1465.989

0.853	840.9026
1.343	1328.981
1.38	1365.988
1.395	1380.996
1.407	1392.996
1.418	1403.99
1.426	1411.987
1.433	1418.985
1.44	1425.984
1.445	1430.984
1.449	1434.983
1.453	1438.983
1.457	1442.984
1.461	1446.984
1.464	1449.985
1.466	1451.985
1.467	1452.985
1.468	1453.985
1.469	1454.986
1.47	1455.986
1.471	1456.986
1.472	1457.987
1.473	1458.987
1.474	1459.987
1.475	1460.988
1.476	1461.988
1.477	1462.988
1.478	1463.989

1463.9
1463.9
1463.9

WELL NAME Kachelman #1 DST # 2 RECORDER # 13754

INIT. HYD. MUD.		FINAL HYD. MUD	
INITIAL FLOW MINUTES	INITIAL SHUTIN MINUTES	FINAL FLOW MINUTES	FINAL SHUTIN MINUTES
<u>30</u>	<u>60</u>	<u>60</u>	<u>90</u>
INTERVAL	INTERVAL	INTERVAL	INTERVAL
<u>.107</u>	<u>105.3</u>	<u>.458</u>	<u>—</u>
<u>.173</u>		<u>1.343</u>	<u>1</u>
<u>.225</u>		<u>1.374</u>	<u>.494</u>
<u>.268</u>		<u>1.394</u>	<u>486.2</u>
<u>.301</u>		<u>1.410</u>	<u>853</u>
<u>.328</u>		<u>1.419</u>	<u>—</u>
<u>.358</u>		<u>1.430</u>	<u>2</u>
<u>.384</u>		<u>1.436</u>	<u>.503</u>
<u>.410</u>		<u>1.444</u>	<u>3</u>
<u>.434</u>		<u>1.450</u>	<u>522</u>
<u>.458</u>	<u>450.7</u>	<u>1.454</u>	<u>541</u>
		<u>1.459</u>	<u>566</u>
		<u>1.462</u>	<u>586</u>
		<u>1.466</u>	<u>607</u>
		<u>1.469</u>	<u>626</u>
		<u>1.470</u>	<u>645</u>
		<u>1.471</u>	<u>663</u>
		<u>1.473</u>	<u>680</u>
		<u>1.475</u>	<u>696</u>
		<u>1.477</u>	<u>715</u>
		<u>1.479</u>	<u>733</u>
		<u>1.480</u>	<u>747</u>
	<u>1465.9</u>		<u>769</u>
			<u>786</u>
			<u>799</u>
			<u>812</u>
			<u>825</u>
			<u>839</u>
			<u>853</u>
			<u>840.9</u>
			<u>1.472</u>
			<u>1.473</u>
			<u>1.474</u>
			<u>1.475</u>
			<u>1.476</u>
			<u>1.477</u>
			<u>1.478</u>
			<u>14639</u>

31) ~~1480 - 1465.9~~

29) ~~7479~~
 29) ~~7480~~
 30) ~~1.480~~

TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Test Ticket

No 5321

Well Name & No. <u>Kachelman #1</u>	Test No. <u>2</u>	Date <u>7-10-92</u>		
Company <u>Benson - McCown & Co.</u>	Zone Tested <u>Arbuckle</u>			
Address _____	Elevation <u>1965 K.B.</u>			
Co. Rep./Geo. <u>Gordon Prather</u>	Cont. <u>Emphasis #5</u>	Est. Ft. of Pay <u>6</u>		
Location: Sec. <u>13</u>	Twp. <u>25</u>	Rge. <u>14</u>	Co. <u>Stafford</u>	State <u>Ks</u>
No. of Copies <u>5</u>	Distribution Sheet _____	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Turnkey <input checked="" type="checkbox"/> Yes _____ No <input checked="" type="checkbox"/>	Evaluation _____

Interval Tested <u>4275-4294</u>	Drill Pipe Size <u>4.5 XH</u>
Anchor Length <u>19</u>	Top Choke — 1" _____ Bottom Choke — 3/4" _____
Top Packer Depth <u>4270</u>	Hole Size — 7 7/8" _____ Rubber Size — 6 3/4" _____
Bottom Packer Depth <u>4275</u>	Wt. Pipe I.D. — 2.7 Ft. Run <u>636</u>
Total Depth <u>4294</u>	Drill Collar — 2.25 Ft. Run _____
Mud Wt. <u>9.4</u> lb/gal.	Viscosity <u>46</u> Filtrate <u>15.2</u>
Tool Open @ <u>4:39 P.M.</u>	Initial Blow <u>B.O.B. in 3 min.</u>

Final Blow B.O.B. in 4 min.

Recovery — Total Feet	Feet of Gas in Pipe	Flush Tool?
<u>2340</u>	<u>575</u>	_____
Rec. <u>107</u> Feet Of <u>C.G.Sy O</u>	<u>20</u> %gas <u>80</u> %oil	%water _____ %mud _____
Rec. <u>310</u> Feet Of <u>Erothy O</u>	<u>40</u> %gas <u>60</u> %oil	%water _____ %mud _____
Rec. <u>248</u> Feet Of <u>W.C.O</u>	%gas _____ %oil _____	<u>30</u> %water _____ %mud _____
Rec. <u>1675</u> Feet Of <u>O.C.W</u>	%gas <u>10</u> %oil _____	<u>90</u> %water _____ %mud _____
Rec. _____ Feet Of _____	%gas _____ %oil _____	%water _____ %mud _____

BHT <u>121</u> °F Gravity _____	°API @ _____	°F Corrected Gravity <u>34</u>	°API _____
RW <u>136</u> @ <u>81</u> °F	Chlorides <u>24,000</u> ppm	Recovery Chlorides <u>19,000</u> ppm	System _____
(A) Initial Hydrostatic Mud <u>2329</u> PSI	AK1 Recorder No. <u>13754</u>	Range <u>4000</u>	
(B) First Initial Flow Pressure <u>98</u> PSI	@ (depth) <u>4279</u>	w/Clock No. <u>26199</u>	
(C) First Final Flow Pressure <u>442</u> PSI	AK1 Recorder No. <u>7437</u>	Range <u>4200</u>	
(D) Initial Shut-In Pressure <u>1446</u> PSI	@ (depth) <u>4290</u>	w/Clock No. <u>31152</u>	
(E) Second Initial Flow Pressure <u>482</u> PSI	AK1 Recorder No. _____	Range _____	
(F) Second Final Flow Pressure <u>837</u> PSI	@ (depth) _____	w/Clock No. _____	
(G) Final Shut-In Pressure <u>1436</u> PSI	Initial Opening <u>30</u>	Test <u>550.00</u>	
(H) Final Hydrostatic Mud <u>2188</u> PSI	Initial Shut-In <u>60</u>	Jars _____	

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Final Flow <u>60</u>	Safety Joint _____
Final Shut-In <u>90</u>	Straddle _____
	Circ. Sub <input checked="" type="checkbox"/> <u>35.00</u>
	Sampler _____

Approved By _____

Our Representative Daw

Extra Packer _____

Other eval.

TOTAL PRICE \$ 1635.00