

TRILOBITE TESTING, L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Drill-Stem Test Data

Well Name KISNER #2-36 Test No. 1 Date 10/4/92
Company BEREXCO INC Zone KS CITY "A"
Address 970 4th FINANCIAL CNTR WICHITA KS 67202 Elevation 2926
Co. Rep./Geo. CHARLIE SPRADLIN Cont. BEREDCO RIG #4 Est. Ft. of Pay 9
Location: Sec. 36 Twp. 26S Rge. 33W Co. FINNEY State KS

Interval Tested 4448-4471 Drill Pipe Size 4.5" XH
Anchor Length 23 Wt. Pipe I.D. - 2.7 Ft. Run _____
Top Packer Depth 4443 Drill Collar - 2.25 Ft. Run _____
Bottom Packer Depth 4448 Mud Wt. 9 lb/Gal.
Total Depth 4471 Viscosity 53 Filtrate 8.8

Tool Open @ 1:00 AM Initial Blow WEAK SURFACE BLOW STEADY THROUGHOUT

Final Blow NO RETURN BLOW

Recovery - Total Feet 100 Flush Tool? NO

Rec. 100 Feet of DRILLING MUD
Rec. _____ Feet of _____
Rec. _____ Feet of _____
Rec. _____ Feet of _____
Rec. _____ Feet of _____

BHT 120 °F Gravity _____ °API @ _____ °F Corrected Gravity _____ °API
RW _____ @ _____ °F Chlorides _____ ppm Recovery Chlorides 3000 ppm System

(A) Initial Hydrostatic Mud 2280.6 PSI AK1 Recorder No. 13309 Range 4700

(B) First Initial Flow Pressure 40.3 PSI @ (depth) 4461 w / Clock No. 25810

(C) First Final Flow Pressure 41.4 PSI AK1 Recorder No. 13339 Range 4025

(D) Initial Shut-in Pressure 1294.7 PSI @ (depth) 4466 w / Clock No. 27566

(E) Second Initial Flow Pressure 85.6 PSI AK1 Recorder No. _____ Range _____

(F) Second Final Flow Pressure 97.3 PSI @ (depth) _____ w / Clock No. _____

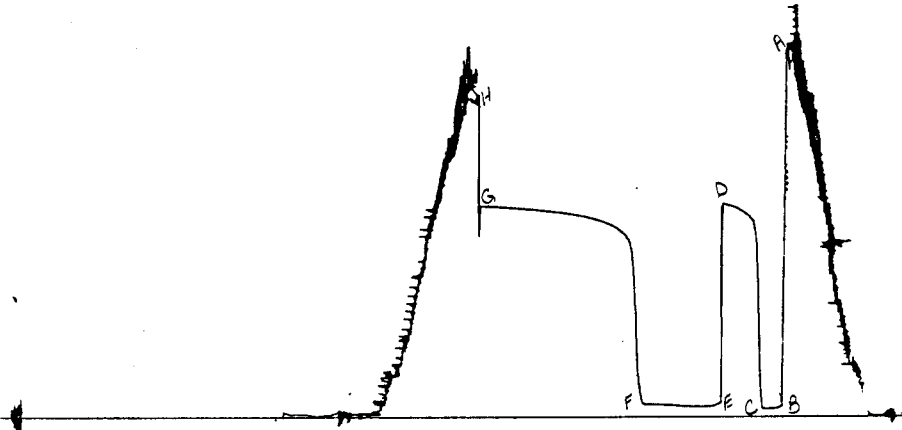
(G) Final Shut-in Pressure 1270.9 PSI Initial Opening 15 Final Flow 60

(H) Final Hydrostatic Mud 2109.7 PSI Initial Shut-in 30 Final Shut-in 120

Our Representative ROD STEINBRINK

CHART PAGE

DST#1
13309



This is an actual photograph of recorder chart

	FIELD READING	OFFICE READING
(A) INITIAL HYDROSTATIC MUD	2273	2280.6
(B) FIRST INITIAL FLOW PRESSURE	41	40.3
(C) FIRST FINAL FLOW PRESSURE	41	41.4
(D) INITIAL CLOSED-IN PRESSURE	1291	1294.7
(E) SECOND INITIAL FLOW PRESSURE	83	85.6
(F) SECOND FINAL FLOW PRESSURE	93	97.3
(G) FINAL CLOSED-IN PRESSURE	1271	1270.9
(H) FINAL HYDROSTATIC MUD	2103	2109.7

TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Test Ticket

N2 5262

Well Name & No. Kisner #2 36 Test No. 1 Date 10/4/92
 Company Berexco, Inc. Zone Tested Kans. City 'A'
 Address 970 Fourth Financial Ctr. Wichita, KS. 67202 Elevation 2926 (KB)
 Co. Rep./Geo. Charlie Spradlin cont. Beredco #4 Est. Ft. of Pay 9'
 Location: Sec. 36 Twp. 26 S Rge. 33 W Co. Finney State KS
 No. of Copies _____ Distribution Sheet _____ Yes _____ No Turnkey _____ Yes X No _____ Evaluation _____

Interval Tested 4448 - 4471 Drill Pipe Size 4 1/2" XH
 Anchor Length 23' Top Choke — 1" _____ Bottom Choke — 3/4" _____
 Top Packer Depth 4443 Hole Size — 7 7/8" _____ Rubber Size — 6 3/4" _____
 Bottom Packer Depth 4448 Wt. Pipe I.D. — 2.7 Ft. Run _____
 Total Depth 4471 Drill Collar — 2.25 Ft. Run _____
 Mud Wt. 9.0 lb/gal. Viscosity 53 Filtrate 8.8
 Tool Open @ 1:00 am Initial Blow Weak surface blow steady throughout.

Final Blow No return blow.

Recovery — Total Feet	Feet of Gas in Pipe	Flush Tool?
<u>100'</u>		<u>No</u>
Rec. _____ Feet Of _____	%gas _____ %oil _____ %water _____ %mud _____	
Rec. _____ Feet Of _____	%gas _____ %oil _____ %water _____ %mud _____	
Rec. <u>100'</u> Feet Of <u>Drlg. Mud</u>	%gas _____ %oil _____ %water _____ %mud _____	
Rec. _____ Feet Of _____	%gas _____ %oil _____ %water _____ %mud _____	
Rec. _____ Feet Of _____	%gas _____ %oil _____ %water _____ %mud _____	

BHT 120° °F Gravity _____ °API @ _____ °F Corrected Gravity _____ °API

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

- (A) Initial Hydrostatic Mud 2273 PSI AK1 Recorder No. 13309 Range 4700
- (B) First Initial Flow Pressure 41 PSI @ (depth) 4461 w/Clock No. 25810
- (C) First Final Flow Pressure 41 PSI AK1 Recorder No. 13339 Range 4025
- (D) Initial Shut-in Pressure 1291 PSI @ (depth) 4466 w/Clock No. 27566
- (E) Second Initial Flow Pressure 83 PSI AK1 Recorder No. _____ Range _____
- (F) Second Final Flow Pressure 93 PSI @ (depth) _____ w/Clock No. _____
- (G) Final Shut-in Pressure 1271 PSI Initial Opening 15 Test 550
- (H) Final Hydrostatic Mud 2103 PSI Initial Shut-in 30 Jars X 200

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 X 50

Final Shut-in 120 Straddle _____

Circ. Sub X N/C

Sampler _____

Extra Packer _____

Other _____

TOTAL PRICE \$ 800.00

Approved By Charlie M Spradlin

Our Representative Rod Steinbrink

TRILOBITE TESTING, L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Drill-Stem Test Data

Well Name KISNER #2-36 Test No. 2 Date 10/4/92
Company BEREXCO INC Zone KS CITY "C"
Address 970 4th FINANCIAL CNTR WICHITA KS 67202 Elevation 2926
Co. Rep./Geo. CHARLIE SPRADLIN Cont. BEREDCO RIG #4 Est. Ft. of Pay 7
Location: Sec. 36 Twp. 26S Rge. 33W Co. FINNEY State KS

Interval Tested 4535-4555 Drill Pipe Size 4.5" XH
Anchor Length 20 Wt. Pipe I.D. - 2.7 Ft. Run _____
Top Packer Depth 4530 Drill Collar - 2.25 Ft. Run 614
Bottom Packer Depth 4535 Mud Wt. 9 lb/Gal.
Total Depth 4555 Viscosity 63 Filtrate 7.2

Tool Open @ 8:40 PM Initial Blow WEAK 1/4" BLOW DECREASED AND DIED IN 13 MINUTES

Final Blow NO RETURN BLOW

Recovery - Total Feet 60 Flush Tool? NO

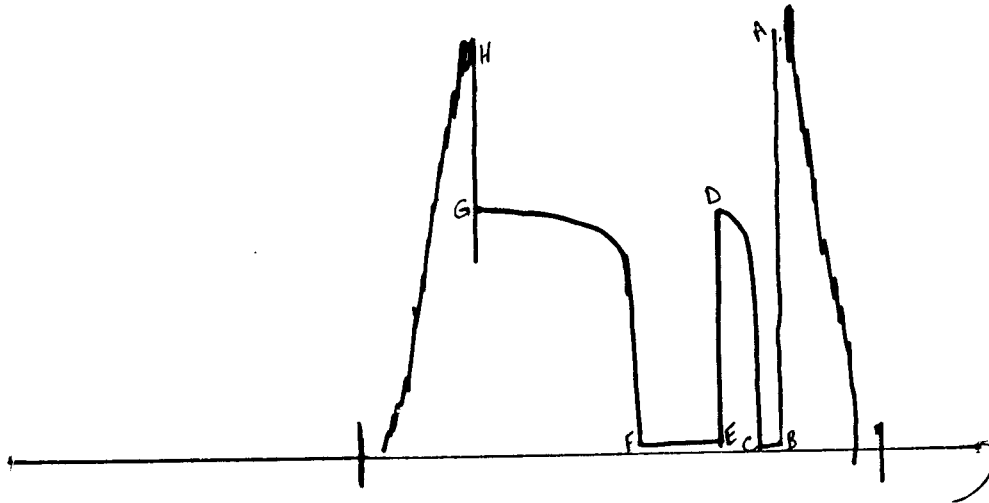
Rec. 60 Feet of DRILLING MUD
Rec. _____ Feet of _____
Rec. _____ Feet of _____
Rec. _____ Feet of _____
Rec. _____ Feet of _____

BHT 119 °F Gravity _____ °API @ _____ °F Corrected Gravity _____ °API
RW _____ @ _____ °F Chlorides _____ ppm Recovery Chlorides 3600 ppm System

(A) Initial Hydrostatic Mud 2271.3 PSI AK1 Recorder No. 13309 Range 4700
(B) First Initial Flow Pressure 32.1 PSI @ (depth) 4545 w / Clock No. 25810
(C) First Final Flow Pressure 32.1 PSI AK1 Recorder No. 13339 Range 4025
(D) Initial Shut-in Pressure 1310.6 PSI @ (depth) 4550 w / Clock No. 27566
(E) Second Initial Flow Pressure 54.7 PSI AK1 Recorder No. _____ Range _____
(F) Second Final Flow Pressure 54.7 PSI @ (depth) _____ w / Clock No. _____
(G) Final Shut-in Pressure 1310.6 PSI Initial Opening 15 Final Flow 60
(H) Final Hydrostatic Mud 2055.4 PSI Initial Shut-in 30 Final Shut-in 120

Our Representative ROD STEINBRINK

CHART PAGE



This is an actual photograph of recorder chart

	FIELD READING	OFFICE READING
(A) INITIAL HYDROSTATIC MUD	2263	2271.3
(B) FIRST INITIAL FLOW PRESSURE	31	32.1
(C) FIRST FINAL FLOW PRESSURE	31	32.1
(D) INITIAL CLOSED-IN PRESSURE	1301	1310.6
(E) SECOND INITIAL FLOW PRESSURE	52	54.7
(F) SECOND FINAL FLOW PRESSURE	52	54.7
(G) FINAL CLOSED-IN PRESSURE	1301	1310.6
(H) FINAL HYDROSTATIC MUD	2053	2055.4

TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Test Ticket

№ 5263

Well Name & No. Kisner #2 Test No. 2 Date 10/4/92
 Company Berexco, Inc. Zone Tested Kans. City 'C'
 Address 970 Fourth Financial Ctr. Wichita, KS. 67202 Elevation 2926 (KB)
 Co. Rep./Geo. Charlie Spradlin cont. Beredco #4 Est. Ft. of Pay 7'
 Location: Sec. 36 Twp. 26^S Rge. 33^W Co. Finney State KS.
 No. of Copies _____ Distribution Sheet X Yes _____ No Turnkey _____ Yes X No _____ Evaluation _____

Interval Tested 4535 - 4555 Drill Pipe Size 4 1/2" x H.
 Anchor Length 20' Top Choke — 1" _____ Bottom Choke — 3/4" _____
 Top Packer Depth 4530 Hole Size — 7 7/8" _____ Rubber Size — 6 3/4" _____
 Bottom Packer Depth 4535 Wt. Pipe I.D. — 2.7 Ft. Run _____
 Total Depth 4555 Drill Collar — 2.25 Ft. Run 614'
 Mud Wt. 9.0 lb/gal. Viscosity 63 Filtrate 7.2

Tool Open @ 8:40 pm Initial Blow Weak 1/4" blow decreased and died in 13 mins

Final Blow No return blow.

Recovery — Total Feet	Feet of Gas in Pipe	Flush Tool?
<u>60'</u>	—	<u>No</u>
Rec. _____ Feet Of _____	%gas _____ %oil _____ %water _____ %mud _____	
Rec. <u>60'</u> Feet Of <u>Drlg. Mud</u>	%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 119° °F Gravity _____ °API @ _____ °F Corrected Gravity _____ °API

RW _____ @ _____ °F Chlorides _____ ppm Recovery Chlorides 3,600 ppm System

- (A) Initial Hydrostatic Mud 2263 PSI AK1 Recorder No. 13309 Range 4700
- (B) First Initial Flow Pressure 31 PSI @ (depth) 4545 w/Clock No. 25810
- (C) First Final Flow Pressure 31 PSI AK1 Recorder No. 13339 Range 4025
- (D) Initial Shut-in Pressure 1301 PSI @ (depth) 4550 w/Clock No. 27566
- (E) Second Initial Flow Pressure 52 PSI AK1 Recorder No. _____ Range _____
- (F) Second Final Flow Pressure 52 PSI @ (depth) _____ w/Clock No. _____
- (G) Final Shut-in Pressure 1301 PSI Initial Opening 15 Test _____
- (H) Final Hydrostatic Mud 2053 PSI Initial Shut-in 30 Jars X N/C

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Final Flow 60 Safety Joint X
 Final Shut-in 120 Straddle _____
 Circ. Sub X N/C
 Sampler _____
 Extra Packer _____
 Other _____

Approved By Charlie M. Spradlin
 Our Representative Rod Steinbrink

TOTAL PRICE \$ 600

TRILOBITE TESTING, L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Drill-Stem Test Data

Well Name KISNER #2-36 Test No. 3 Date 10/5/92
Company BEREXCO INC Zone MARMATON
Address 970 4th FINANCIAL CNTR WICHITA KS 67202 Elevation 2926
Co. Rep./Geo. CHARLIE SPRADLIN Cont. BEREDCO RIG #4 Est. Ft. of Pay 3
Location: Sec. 36 Twp. 26S Rge. 33W Co. FINNEY State KS

Interval Tested 4622-4643 Drill Pipe Size 4.5" XH
Anchor Length 21 Wt. Pipe I.D. - 2.7 Ft. Run _____
Top Packer Depth 4617 Drill Collar - 2.25 Ft. Run 614
Bottom Packer Depth 4622 Mud Wt. 9 lb/Gal.
Total Depth 4643 Viscosity 54 Filtrate 8

Tool Open @ 4:46 PM Initial Blow STRONG BLOW OFF BOTTOM IN 30 SECONDS
ISI: BLED OFF BLOW-(GTS WHILE BLEEDING THROUGH 2")-SURFACE TO BOTTOM 4 MIN
Final Blow SURFACE RETURN BUILT TO BOTTOM IN 4 MINUTES - GAUGED
20"WTR ON 1/4" ORIFICE = 7.51 MCF/DAY

Recovery - Total Feet 480 Flush Tool? NO

Rec. 480 Feet of CLEAN GASSY OIL-25%GAS/75%OIL
Rec. _____ Feet of _____
Rec. _____ Feet of _____
Rec. _____ Feet of _____
Rec. _____ Feet of _____

BHT 121 °F Gravity 38 °API @ 72 °F Corrected Gravity 36.8 °API
RW _____ @ _____ °F Chlorides _____ ppm Recovery Chlorides 3800 ppm System

(A) Initial Hydrostatic Mud 2275.5 PSI AK1 Recorder No. 13309 Range 4700

(B) First Initial Flow Pressure 110.2 PSI @ (depth) 4633 w / Clock No. 17640

(C) First Final Flow Pressure 114.3 PSI AK1 Recorder No. 13339 Range 4025

(D) Initial Shut-in Pressure 356.5 PSI @ (depth) 4638 w / Clock No. 27566

(E) Second Initial Flow Pressure 135.1 PSI AK1 Recorder No. _____ Range _____

(F) Second Final Flow Pressure 180.9 PSI @ (depth) _____ w / Clock No. _____

(G) Final Shut-in Pressure 518.2 PSI Initial Opening 15 Final Flow 60

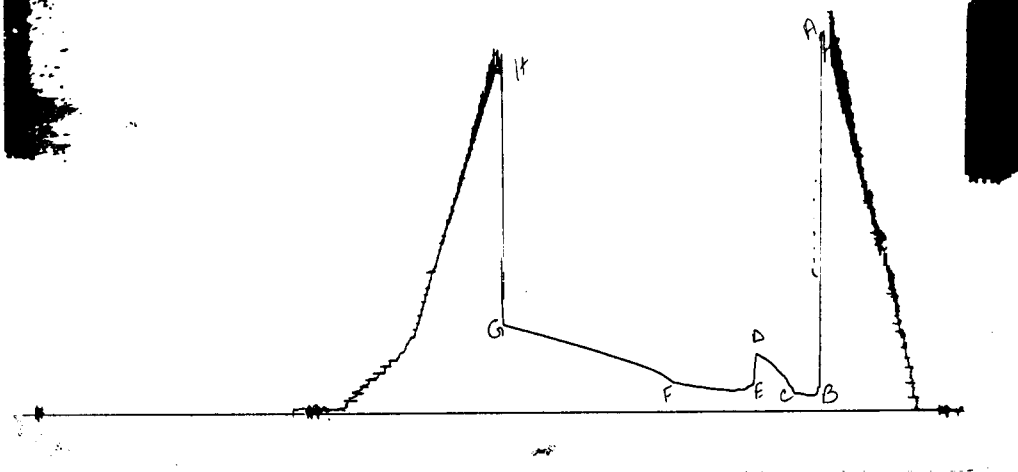
(H) Final Hydrostatic Mud 2208.4 PSI Initial Shut-in 30 Final Shut-in 120

Our Representative ROD STEINBRINK

CHART PAGE

DST#3

13309



This is an actual photograph of recorder chart

	FIELD READING	OFFICE READING
(A) INITIAL HYDROSTATIC MUD	2323	2275.5
(B) FIRST INITIAL FLOW PRESSURE	93	110.2
(C) FIRST FINAL FLOW PRESSURE	104	114.3
(D) INITIAL CLOSED-IN PRESSURE	332	356.5
(E) SECOND INITIAL FLOW PRESSURE	124	135.1
(F) SECOND FINAL FLOW PRESSURE	166	180.9
(G) FINAL CLOSED-IN PRESSURE	519	518.2
(H) FINAL HYDROSTATIC MUD	2203	2208.4

DST #

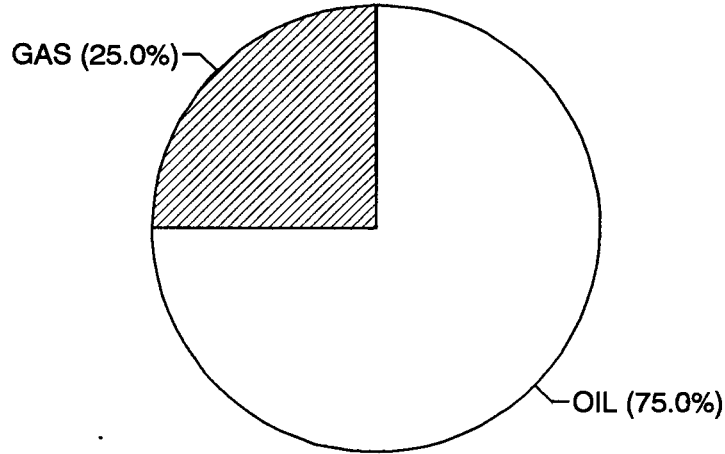
3

TICKET

5264

SAMPLE #	TOTAL FEET	GAS		OIL		WATER		MUD	
		%	FEET	%	FEET	%	FEET	%	FEET
1	480	25	120	75	360	0	0	0	0
2			0		0		0		0
3			0		0		0		0
4			0		0		0		0
5			0		0		0		0
TOTAL	480	25.00	120	75.00	360	0.00	0	0	0

			HRS OP	BBL/DAY
BBL OIL=	1.7604	*	1.25	33.79968
BBL WATER=	0	*		0
BBL MUD=	0			
BBL GAS=	0.5868			



FINAL FLOW

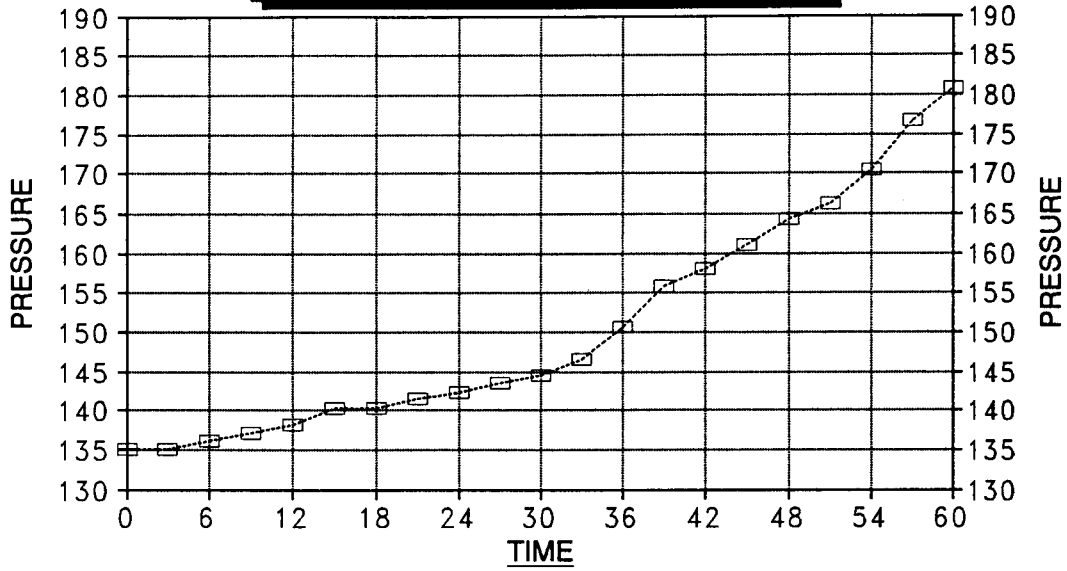
RECORDER # 13339

DST # DST #3

TIME(MIN)	PRESSURE	<> PRESSURE
0	135.1	135.1
3	135.1	0
6	136.1	1
9	137.2	1.1
12	138.2	1
15	140.3	2.1
18	140.3	0
21	141.4	1.1
24	142.4	1
27	143.5	1.1
30	144.5	1
33	146.5	2
36	150.7	4.2
39	155.9	5.2
42	158	2.1
45	161.1	3.1
48	164.2	3.1
51	166.3	2.1
54	170.5	4.2
57	176.7	6.2
60	180.9	4.2

DELTA T DELTA P

FINAL FLOW - DST #3



---□--- KISNER #2-36

INITIAL PRODUCTION CORRECTED TO PSEUDO STEADY FLOW STATE:

24.343

KISNER #2-36
INITIAL

DST #3
SHUTIN

15 TOTAL FLOW TIME Slope 805.28 psi/cycle
 P * 498 psi

	TIME(MIN)	Pws (psi)	Log Horn T	<> PRESSURE	Horn T
	3	141.4	0.778	141.4	6
	6	180.9	0.544	39.5	4
	9	212.1	0.426	31.2	3
	12	243.2	0.352	31.1	2
	15	268.2	0.301	25.0	2
	18	289.0	0.263	20.8	2
X	21	309.8	0.234	20.8	2
	24	328.5	0.211	18.7	2
	27	345.1	0.192	16.6	2
X	30	356.5	0.176	11.4	2

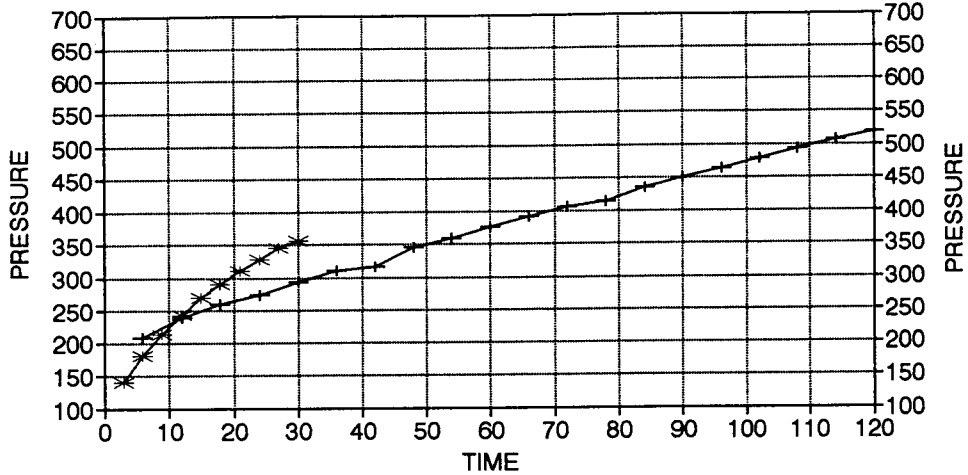
KISNER #2-36
FINAL

DST #3
SHUTIN

75 TOTAL FLOW TIME Slope 1321.29 psi/cycle
 P * 797 psi

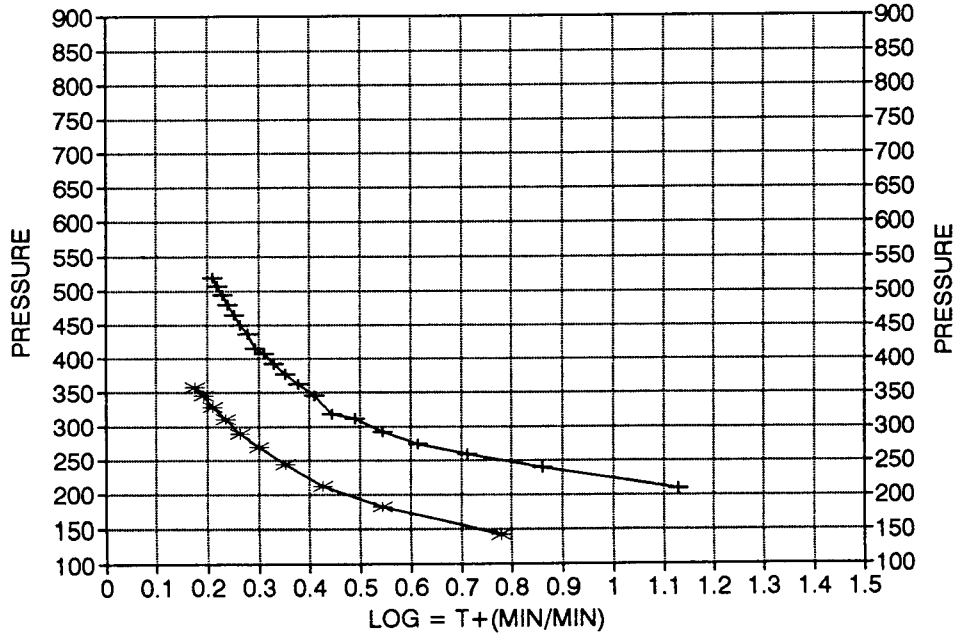
		Pws (psi)	Log Horn T	<> PRESSURE	Horn T
	6	207.9	1.130	207.9	14
	12	237.9	0.860	30.0	7
	18	258.8	0.713	20.9	5
	24	273.3	0.615	14.5	4
	30	292.1	0.544	18.8	4
	36	310.8	0.489	18.7	3
	42	317.0	0.445	6.2	3
	48	345.2	0.409	28.2	3
	54	360.7	0.378	15.5	2
	60	376.3	0.352	15.6	2
	66	391.9	0.330	15.6	2
	72	406.4	0.310	14.5	2
	78	414.7	0.293	8.3	2
	84	435.5	0.277	20.8	2
	90	449.1	0.263	13.6	2
	96	464.2	0.251	15.1	2
	102	479.2	0.239	15.0	2
	108	492.8	0.229	13.6	2
X	114	506.7	0.220	13.9	2
X	120	518.2	0.211	11.5	2

KISNER #2-36 / DST #3 DELTA T DELTA P



*— INITIAL +— FINAL

HORNER PLOT



GAS VOLUME REPORT

BEREXCO INC

KISNER #2-36

DST # 3

MIN	PSIG	ORIFICE	MCF/D	MIN	PSIG	ORIFICE	MCF/D
GAS TO SURFACE WHILE BLEEDING				15	38	0.5	38.6
OFF ON INITIAL SHUT IN				25	10	0.5	19.9
				35	2	0.5	8.87
				45	22	0.25	7.88
				60	20	0.25	7.51

Remarks: RICH SMELLING-DOES BURN BRIGHT ORANGE FLAME

TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Test Ticket

№ 5264

Well Name & No.	<u>Kisner #2</u>	Test No.	<u>3</u>	Date	<u>10/5/92</u>
Company	<u>Berexco, Inc.</u>	Zone Tested	<u>Marmaton</u>		
Address	<u>970 Fourth Financial Ctr. Wichita, KS. 67202</u>		Elevation	<u>2926 (KB)</u>	
Co. Rep./Geo.	<u>Charlie Spradlin</u>	cont.	<u>Beredco #4</u>	Est. Ft. of Pay	<u>3'</u>
Location: Sec.	<u>36</u>	Twp.	<u>26^S</u>	Rge.	<u>33^W</u>
			co.	<u>Finney</u>	state <u>KS.</u>
No. of Copies	<u>9</u>	Distribution Sheet	<u>X</u> Yes	No Turnkey	<u>X</u> Yes <u> </u> No
				Evaluation	<u> </u>

Interval Tested	<u>4622 - 4643</u>	Drill Pipe Size	<u>4 1/2" XH</u>
Anchor Length	<u>21'</u>	Top Choke - 1"	<u> </u> Bottom Choke - 3/4"
Top Packer Depth	<u>4617</u>	Hole Size - 7 7/8"	<u> </u> Rubber Size - 6 3/4"
Bottom Packer Depth	<u>4622</u>	Wt. Pipe I.D. - 2.7 Ft. Run	<u> </u>
Total Depth	<u>4643</u>	Drill Collar - 2.25 Ft. Run	<u>614'</u>
Mud Wt.	<u>9.0</u> lb/gal.	Viscosity	<u>54</u> Filtrate <u>8.0</u>

Tool Open @ 4:36 pm Initial Blow Strong blow off bottom in 30 secs.
ISI: Bled off blow - (GIS white bleeding thru 2") surface to bottom 4 mins
Final Blow Surface return built to bottom in 4 mins. Gauged
20 in/wtr on 1/4" orifice = 7.51 mcf/day

Recovery - Total Feet	<u>480'</u>	Feet of Gas in Pipe	<u> </u>	Flush Tool?	<u>No</u>
Rec.	Feet Of	% gas	% Oil	% water	% mud
Rec.	Feet Of	% gas	% Oil	% water	% mud
Rec.	<u>480'</u> Feet Of <u>CGO</u>	<u>25</u> % gas	<u>75</u> % Oil	<u> </u> % water	<u> </u> % mud
Rec.	Feet Of	% gas	% Oil	% water	% mud
Rec.	Feet Of	% gas	% Oil	% water	% mud

BHT 121° °F Gravity 38 °API @ 72° °F Corrected Gravity 36.8 °API

RW @ °F Chlorides ppm Recovery Chlorides 3,800 ppm System

- (A) Initial Hydrostatic Mud 2323 PSI Ak1 Recorder No. 13309 Range 4700
- (B) First Initial Flow Pressure 93 PSI @ (depth) 4633 w/Clock No. 17640
- (C) First Final Flow Pressure 104 PSI AK1 Recorder No. 13339 Range 4025
- (D) Initial Shut-In Pressure 332 PSI @ (depth) 4638 w/Clock No. 27566
- (E) Second Initial Flow Pressure 124 PSI AK1 Recorder No. Range
- (F) Second Final Flow Pressure 166 PSI @ (depth) w/Clock No.
- (G) Final Shut-In Pressure 519 PSI Initial Opening 15 Test 550
- (H) Final Hydrostatic Mud 2203 PSI Initial Shut-In 30 Jars

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Final Flow 60 Safety Joint X
Final Shut-In 120 Straddle
Circ. Sub X N/C

Approved By Charles B Spradlin
Our Representative Rod Steinbrink

Sampler
Extra Packer
Other eval - partial
TOTAL PRICE \$ 600

TRILOBITE TESTING, L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Drill-Stem Test Data

Well Name KISNER #2-36 Test No. 4 Date 10/7/92
Company BEREXCO INC Zone MORROW
Address 970 4th FINANCIAL CNTR WICHITA KS 67202 Elevation 2926
Co. Rep./Geo. CHARLIE SPRADLIN Cont. BEREDCO RIG #4 Est. Ft. of Pay 5
Location: Sec. 36 Twp. 26S Rge. 33W Co. FINNEY State KS

Interval Tested 5006-5080 Drill Pipe Size 4.5" XH
Anchor Length 74 Wt. Pipe I.D. - 2.7 Ft. Run _____
Top Packer Depth 5001 Drill Collar - 2.25 Ft. Run 583
Bottom Packer Depth 5006 Mud Wt. 8.9 lb/Gal.
Total Depth 5080 Viscosity 54 Filtrate 6.8

Tool Open @ 4:25 PM Initial Blow WEAK TO FAIR BLOW BUILT TO 10"
ISI: BLED OFF BLOW-NO RETURN
Final Blow STRONG RETURN OFF BOTTOM IN 2 MIN/STAYED OFF BOTTOM THROUGHOUT
FSI: BLED OFF BLOW-NO RETURN

Recovery - Total Feet 120 Flush Tool? NO
Rec. 30 Feet of GSY OIL CUT MUD-20%GAS/30%OIL/50%MUD
Rec. 90 Feet of OIL CUT MUD-40%OIL/60%MUD
Rec. _____ Feet of _____
Rec. _____ Feet of _____
Rec. _____ Feet of _____

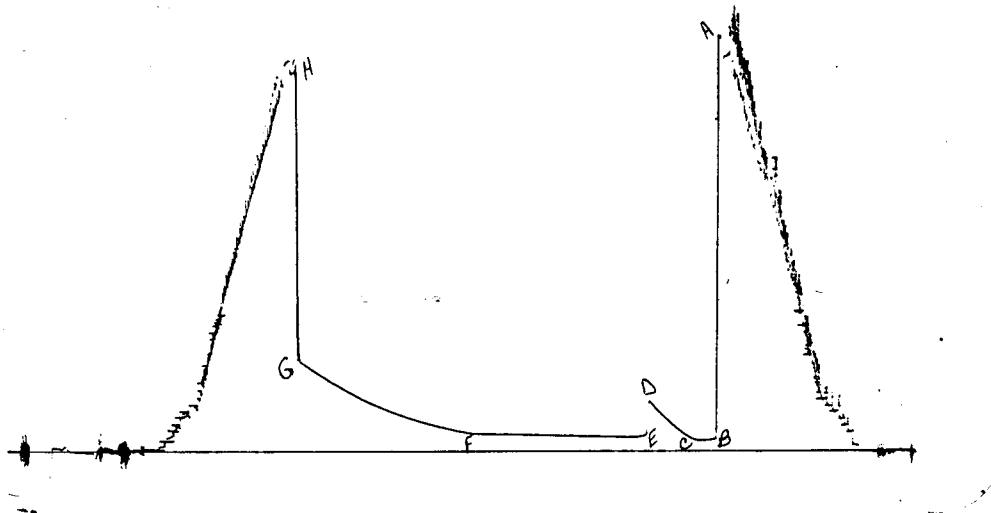
BHT 128 °F Gravity _____ °API @ _____ °F Corrected Gravity _____ °API
RW _____ @ _____ °F Chlorides _____ ppm Recovery Chlorides 1950 ppm System

(A) Initial Hydrostatic Mud 2525.7 PSI AK1 Recorder No. 13309 Range 4700
(B) First Initial Flow Pressure 80.0 PSI @ (depth) 5038 w / Clock No. 17640
(C) First Final Flow Pressure 72.8 PSI AK1 Recorder No. 13339 Range 4025
(D) Initial Shut-in Pressure 323.2 PSI @ (depth) 5075 w / Clock No. 27566
(E) Second Initial Flow Pressure 90.4 PSI AK1 Recorder No. _____ Range _____
(F) Second Final Flow Pressure 95.6 PSI @ (depth) _____ w / Clock No. _____
(G) Final Shut-in Pressure 549.1 PSI Initial Opening 15 Final Flow 120
(H) Final Hydrostatic Mud 2390.7 PSI Initial Shut-in 30 Final Shut-in 120

Our Representative ROD STEINBRINK

CHART PAGE

DST #4
13309



This is an actual photograph of recorder chart

	FIELD READING	OFFICE READING
(A) INITIAL HYDROSTATIC MUD	2410	2525.7
(B) FIRST INITIAL FLOW PRESSURE	62	80
(C) FIRST FINAL FLOW PRESSURE	62	72.8
(D) INITIAL CLOSED-IN PRESSURE	311	323.2
(E) SECOND INITIAL FLOW PRESSURE	72	90.4
(F) SECOND FINAL FLOW PRESSURE	83	95.6
(G) FINAL CLOSED-IN PRESSURE	539	549.1
(H) FINAL HYDROSTATIC MUD	2363	2390.7

DST #

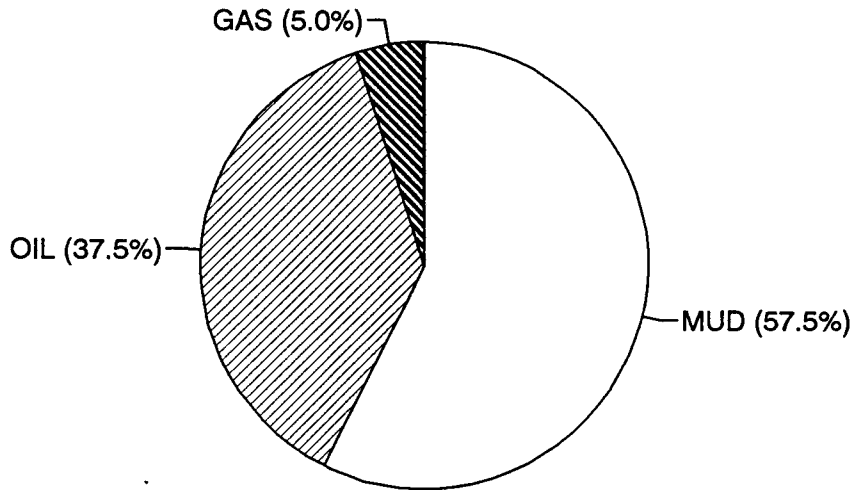
4

TICKET

5265

SAMPLE #	TOTAL FEET	GAS		OIL		WATER		MUD	
		%	FEET	%	FEET	%	FEET	%	FEET
1	30	20	6	30	9	0	0	50	15
2	90	0	0	40	36	0	0	60	54
3			0		0		0		0
4			0		0		0		0
5			0		0		0		0
TOTAL	120	5.00	6	37.50	45	0.00	0	57.5	69

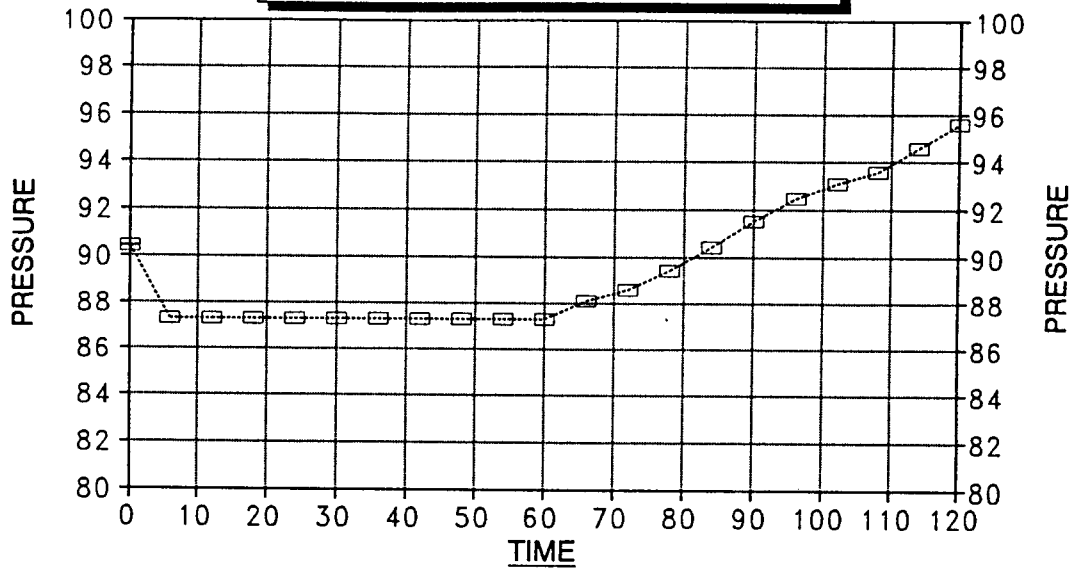
			HRS OP	BBL/DAY
BBL OIL=	0.22005	*	2.25	2.3472
BBL WATER=	0	*		0
BBL MUD=	0.33741			
BBL GAS=	0.02934			



MUD
OIL
GAS
WTR

DELTA T DELTA P

FINAL FLOW - DST #4



---□--- KISNER #2-36

FINAL FLOW

RECORDER # 13339

DST # DST #4

TIME(MIN)	PRESSURE	<> PRESSURE
0	90.4	90.4
6	87.3	-3.1
12	87.3	0
18	87.3	0
24	87.3	0
30	87.3	0
36	87.3	0
42	87.3	0
48	87.3	0
54	87.3	0
60	87.3	0
66	88.1	0.8
72	88.6	0.5
78	89.4	0.8
84	90.4	1
90	91.5	1.1
96	92.5	1
102	93.1	0.6
108	93.6	0.5
114	94.6	1
120	95.6	1

KISNER #2-36
INITIAL

DST #4
SHUTIN

15 TOTAL FLOW TIME

Slope 1772.80 psi/cycle
P * 635 psi

TIME(MIN) Pws (psi)

Log <>
Horn T PRESSURE Horn T

	TIME(MIN)	Pws (psi)	Horn T	PRESSURE	Horn T
	3	96.6	0.778	96.6	6
	6	118.9	0.544	22.3	4
	9	140.7	0.426	21.8	3
	12	163.3	0.352	22.6	2
	15	186.0	0.301	22.7	2
	18	217.2	0.263	31.2	2
	21	241.2	0.234	24.0	2
	24	270.3	0.211	29.1	2
X	27	295.2	0.192	24.9	2
X	30	323.2	0.176	28.0	2

KISNER TRUST # DST #4
FINAL

SHUTIN

135 TOTAL FLOW TIME

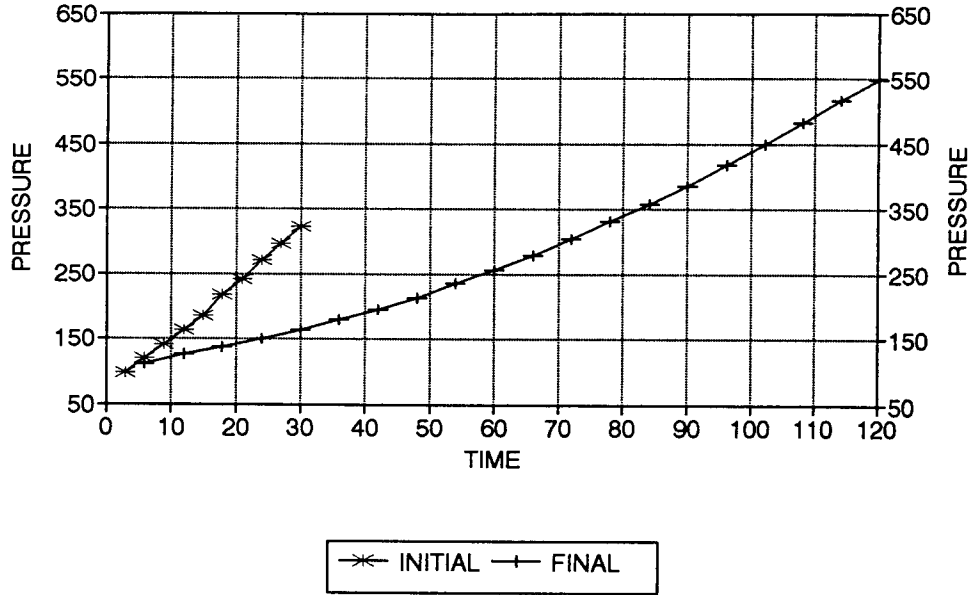
Slope 419.47 psi/cycle
P * 686 psi

Pws (psi)

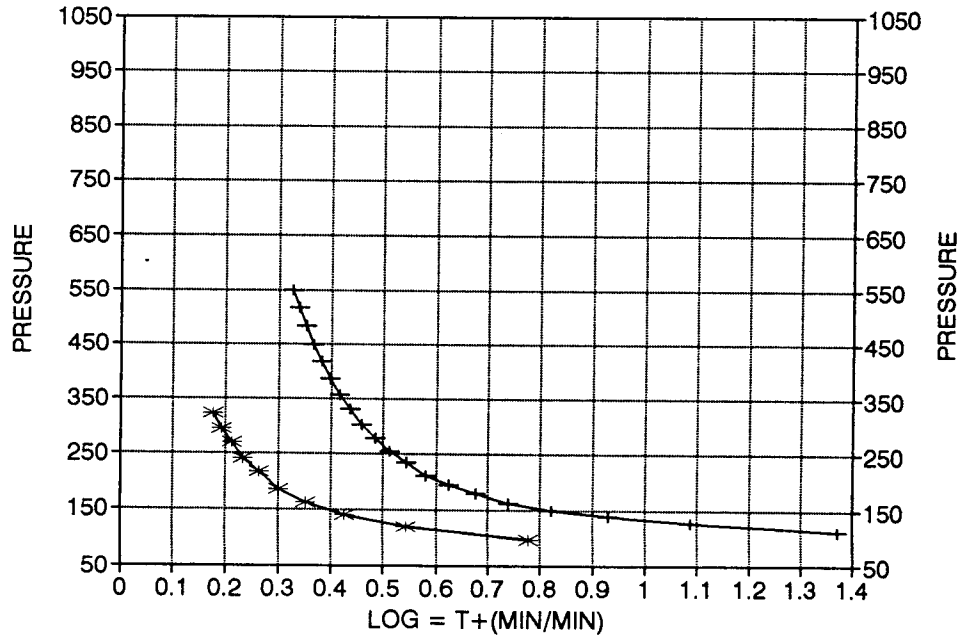
Log <>
Horn T PRESSURE Horn T

X	6	111.3	1.371	111.3	24
	12	126.8	1.088	15.5	12
	18	137.2	0.929	10.4	9
	24	149.7	0.821	12.5	7
	30	163.2	0.740	13.5	6
	36	178.8	0.677	15.6	5
	42	194.3	0.625	15.5	4
	48	212.1	0.581	17.8	4
	54	234.9	0.544	22.8	4
	60	255.7	0.512	20.8	3
	66	278.6	0.484	22.9	3
	72	303.5	0.459	24.9	3
	78	331.6	0.436	28.1	3
	84	358.6	0.416	27.0	3
	90	385.6	0.398	27.0	3
	96	417.9	0.381	32.3	2
	102	449.1	0.366	31.2	2
	108	483.3	0.352	34.2	2
	114	517.0	0.339	33.7	2
X	120	549.1	0.327	32.1	2

KISNER #2-36 / DST #4 DELTA T DELTA P



HORNER PLOT



TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Test Ticket

№ 5265

Well Name & No. Kisner #2 Test No. 4 Date 10-7-92
Company Berexco, Inc. Zone Tested Morrow
Address 470 Fourth Financial Ctr. Wichita, KS 67202 Elevation 2926 (KB)
Co. Rep./Geo. Charlie Spradlin cont. Beredco #4 Est. Ft. of Pay 5'
Location: Sec. 36 Twp. 26^S Rge. 33^W co. Finney state KS.
No. of Copies 9 Distribution Sheet X Yes No Turnkey Yes X No Evaluation

Interval Tested 5006 - 5080 Drill Pipe Size 4 1/2" XH
Anchor Length 74' Top Choke — 1" Bottom Choke — 3/4"
Top Packer Depth 5001 Hole Size — 7 7/8" Rubber Size — 6 3/4"
Bottom Packer Depth 5006 Wt. Pipe I.D. — 2.7 Ft. Run
Total Depth 5080 Drill Collar — 2.25 Ft. Run 583'
Mud Wt. 8.9 lb/gal. Viscosity 54 Filtrate 6.8

Tool Open @ 4:25 pm Initial Blow Weak to fair blow built to 10".
ISI: Bled off blow - no return.

Final Blow Strong return off bottom in 2 mins stayed off bottom thru.
FST: Bled off blow - no return. open

Recovery — Total Feet 120' Feet of Gas in Pipe Flush Tool? No

Rec.	Feet Of		%gas	%oil	%water	%mud
Rec. <u>30'</u>	Feet Of <u>GOCM</u>	<u>20</u>	%gas <u>30</u>	%oil <u>—</u>	%water <u>50</u>	%mud <u> </u>
Rec. <u>90'</u>	Feet Of <u>DCM</u>	<u>—</u>	%gas <u>40</u>	%oil <u>—</u>	%water <u>60</u>	%mud <u> </u>
Rec. <u> </u>	Feet Of <u> </u>	<u> </u>	%gas <u> </u>	%oil <u> </u>	%water <u> </u>	%mud <u> </u>

BHT 128° °F Gravity °API @ °F Corrected Gravity °API

RW @ °F Chlorides ppm Recovery Chlorides 1950 ppm System

- (A) Initial Hydrostatic Mud 2410 PSI AK1 Recorder No. 13309 Range 4700
(B) First Initial Flow Pressure 62 PSI @ (depth) 5038 w/Clock No. 17640
(C) First Final Flow Pressure 62 PSI AK1 Recorder No. 13339 Range 4025
(D) Initial Shut-In Pressure 311 PSI @ (depth) 5075 w/Clock No. 27566
(E) Second Initial Flow Pressure 72 PSI AK1 Recorder No. Range
(F) Second Final Flow Pressure 83 PSI @ (depth) w/Clock No.
(G) Final Shut-In Pressure 539 PSI Initial Opening 15 Test
(H) Final Hydrostatic Mud 2363 PSI Initial Shut-In 30 Jars X

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 120 Safety Joint X

Final Shut-In 120 Straddle

Circ. Sub X N/C

Sampler

Extra Packer

Other

Approved By Charles R. Spradlin

Our Representative Rod Steinbrink