

15-129-21610

18-32s-42w

TRILOBITE TESTING L.L.C.

OPERATOR : Nadel & Gussman, LLC  
WELL NAME: Stoops 2-28  
LOCATION : 18-32s-42w Morton co KS  
INTERVAL : 4900.00 To 4935.00 ft

DATE 9-25-00

KB 0.00 ft TICKET NO: 13072 DST #1  
GR 0.00 ft FORMATION: Morrow  
TD 4935.00 ft TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 30 Rec.	13277	13277	3026			PF Fr. 2013 to 2043 hr
SI 60 Range(Psi )	4125.0	4125.0	4995.0	0.0	0.0	IS Fr. 2043 to 2143 hr
SF 60 Clock(hrs)	18hr	18hr	elect			SF Fr. 2143 to 2243 hr
FS 120 Depth(ft )	4935.0	4935.0	4907.0	0.0	0.0	FS Fr. 2243 to 0043 hr

	Field	1	2	3	4	
A. Init Hydro	2412.0	2481.0	2349.0	0.0	0.0	T STARTED 1710 hr
B. First Flow	75.0	86.0	21.0	0.0	0.0	T ON BOTM 2212 hr
B1. Final Flow	75.0	73.0	25.0	0.0	0.0	T OPEN 2213 hr
C. In Shut-in	183.0	194.0	165.0	0.0	0.0	T PULLED 0043 hr
D. Init Flow	86.0	97.0	22.0	0.0	0.0	T OUT 0345 hr
E. Final Flow	75.0	75.0	28.0	0.0	0.0	
F. Fl Shut-in	216.0	230.0	194.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	2349.0	2361.0	2295.0	0.0	0.0	Tool Wt. 1800.00 lbs
Inside/Outside	0	0	I			Wt Set On Packer 24000.00 lbs
						Wt Pulled Loose 90000.00 lbs
						Initial Str Wt 70000.00 lbs
						Unseated Str Wt 70000.00 lbs
						Bot Choke 0.78 in
						Hole Size 7.78 in
						D Col. ID 2.25 in
						D. Pipe ID 3.38 in
						D.C. Length 304.00 ft
						D.P. Length 4574.00 ft

RECOVERY

Tot Fluid 3.00 ft of 3.00 ft in DC and 0.00 ft in DP  
 3.00 ft of Mud  
 0.00 ft of 100% mud  
 0.00 ft of  
 0.00 ft of

SALINITY 0.00 P.P.M. A.P.I. Gravity 0.00

BLOW DESCRIPTION

Initial Flow:  
 Weak 1/2" blow  
 Initial Shut-In:  
 No blow back.  
 Final Flow:  
 Weak 1/2" blow died back to 1/8"  
 Final Shut-In:  
 No blow back.

SAMPLES:  
SENT TO:

MUD DATA-----

Mud Type chemical  
 Weight 9.20 lb/c  
 Vis. 50.00 S/L  
 W.L. 7.20 in3  
 F.C. 0.00 in  
 Mud Drop  
 Amt. of fill 0.00 ft  
 Btm. H. Temp. 130.00 F  
 Hole Condition  
 % Porosity 0.00  
 Packer Size 6.75 in  
 No. of Packers 2  
 Cushion Amt. 0.00  
 Cushion Type  
 Reversed Out N  
 Tool Chased N  
 Tester Scott Bugbee  
 Co. Rep. Ken LeBlanc  
 Contr. Big A  
 Rig # 4  
 Unit #  
 Pump T.

Test Successful: Y

\*\*\* TOOL DIAGRAM \*\*\* CONVENTIONAL

WELL NAME: Stoops 2-28

LOCATION : 18-32s-42w Morton co KS

TICKET No. 13072 D.S.T. No. 1 DATE 9-25-00

TOTAL TOOL TO BOTTOM OF TOP PACKERS ..... 30

INTERVAL TOOL .....

BOTTOM PACKERS AND ANCHOR ..... 35

TOTAL TOOL ..... 65

DRILL COLLAR ANCHOR IN INTERVAL .....

D.C. ANCHOR STND.Stands Single Total

D.P. ANCHOR STND.Stands Single Total

TOTAL ASSEMBLY .....

D.C. ABOVE TOOLS.Stands5 Single Total 304

D.P. ABOVE TOOLS.Stands72 Single 1 Total 4574

TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 4943

TOTAL DEPTH ..... 4935

TOTAL DRILL PIPE ABOVE K.B. .... 8

REMARKS:

Sampler Data

150 PSI

4000 ml Mud 100%

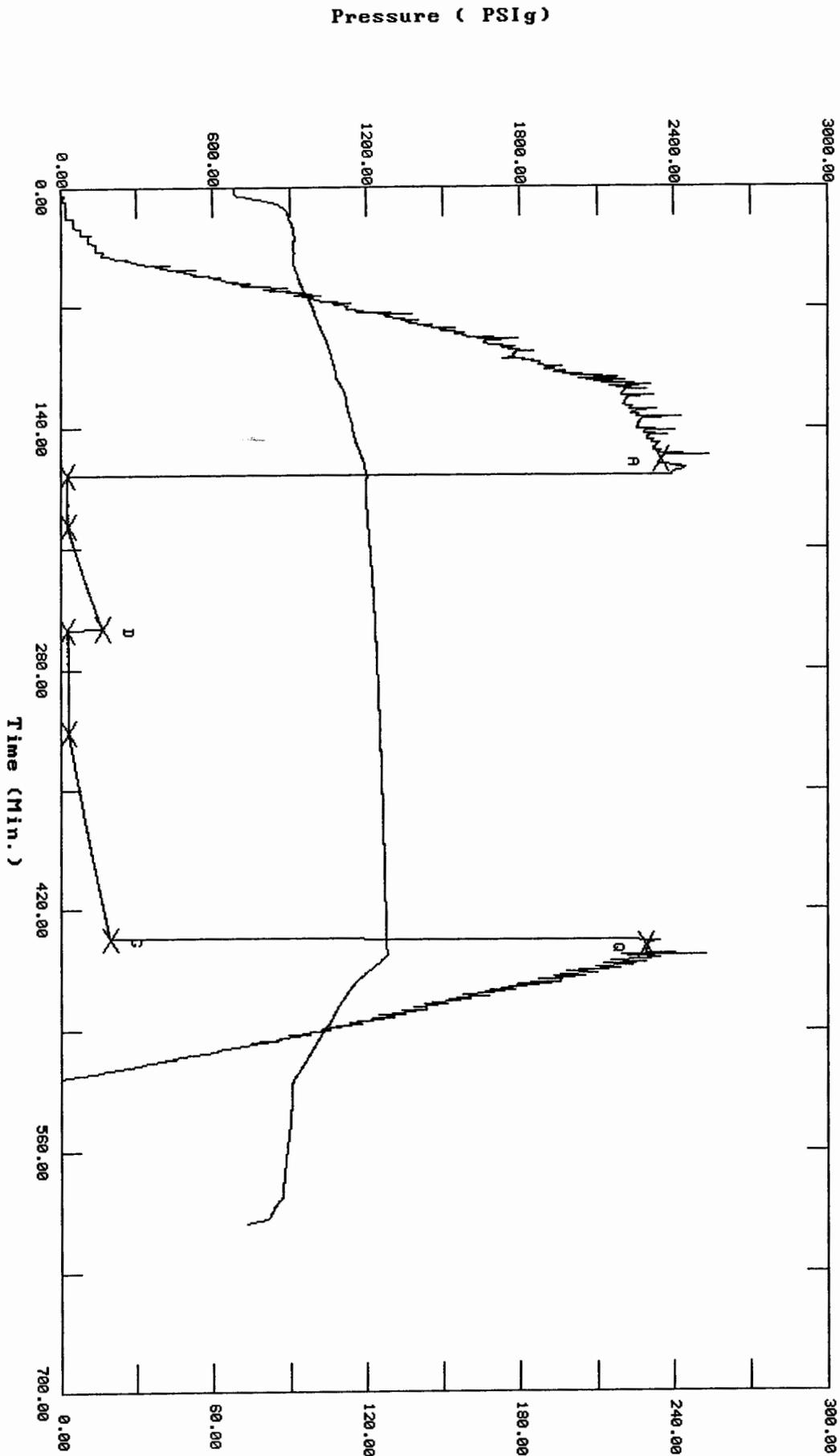
H	P.O. SUB top of tool	4870
H	C.O. SUB 1'	4871
H	S.I. TOOL 5'	4876
H	3' sampler	4879
H	HMV 5'	4884
H	JARS 5'	4889
H	SAFETY JOINT 2'	4891
H	PACKER 5'	4869
H	PACKER 5'	4900
H	DEPTH 4900	
H	1'	4901
H	ANCHOR	
H	1' perf	4902
H	Alpine Rec.	4907
H	5' PU sub	4907
H	23' perf	4930
H	Ak1 Rec.	4935
H	BULLNOSE	
H	T.D. 5'	4935

13072 DST#1 Stoops #2-28 Nadel & Gussman, LLC

# TEST HISTORY

Flag Points

t (Min.)	P (PSig)
A: 0.00	2349.92
B: 0.00	21.43
C: 29.00	25.64
D: 60.00	165.77
E: 0.00	22.45
F: 59.50	28.72
G: 120.50	194.45
Q: 0.00	2295.49



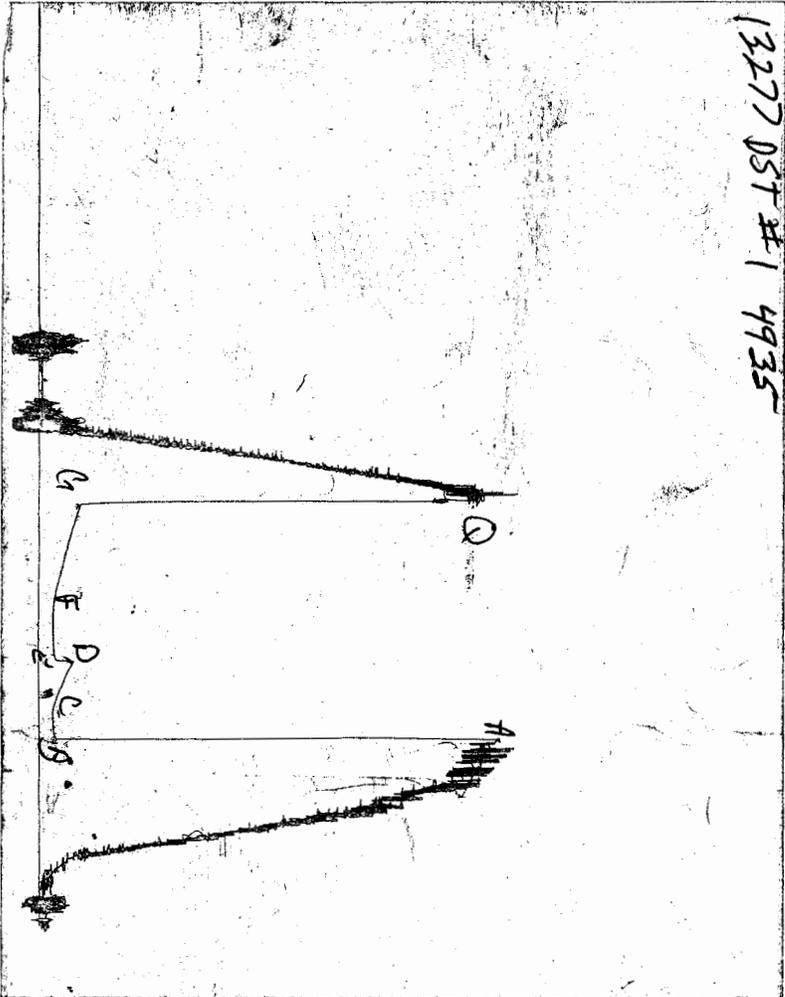
Pressure ( PSig )

Temperature ( DEG F )

Time (Min.)

CHART PAGE

13277 OST # 1 4935



This is a photocopy of the actual AK-1 recorder chart

# TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

No 13072

## Test Ticket

Well Name & No. Stoops #2-18 Test No. #1 Date 9-25-00  
 Company Nade and Gussman, LLC Zone Tested Morrow  
 Address 3200 First Place tower Tulsa Okla. 74103 Elevation \_\_\_\_\_ KB \_\_\_\_\_ GL \_\_\_\_\_  
 Co. Rep / Geo. Ken LeBlanc Cont. Big A #4 Est. Ft. of Pay \_\_\_\_\_ Por. \_\_\_\_\_ %  
 Location: Sec. 18 Twp. 32S Rge. 42W Co. Morton State Ks.  
 No. of Copies \_\_\_\_\_ Distribution Sheet (Y, N) \_\_\_\_\_ Turnkey (Y, N) \_\_\_\_\_ Evaluation (Y, N) \_\_\_\_\_

Interval Tested 4900 - 4935 Initial Str Wt./Lbs. 70,000 Unseated Str Wt./Lbs. 70,600  
 Anchor Length 35' Wt. Set Lbs. 27,000 Wt. Pulled Loose/Lbs. 90,000  
 Top Packer Depth 4895 Tool Weight 1800  
 Bottom Packer Depth 4900 Hole Size — 7 7/8" Rubber Size — 6 3/4"  
 Total Depth 4935 Wt. Pipe Run \_\_\_\_\_ Drill Collar Run 304 <sup>5 Sids</sup>  
 Mud Wt. 9.2 LCM 2 Vis. 50 WL 2.2 Drill Pipe Size 4 1/2 XH Ft. Run 2574 <sup>72</sup>  
 Blow Description 1st open weak 1/2" blow  
No blow back  
2nd open weak 1/2" blow died back to 1/8"  
No blow back

Recovery — Total Feet 3 GIP \_\_\_\_\_ Ft. in DC 3 Ft. in DP \_\_\_\_\_  
 Rec. 3 Feet Of 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 \_\_\_\_\_ °F Gravity \_\_\_\_\_ °API D@ \_\_\_\_\_ °F Corrected Gravity \_\_\_\_\_ °API \_\_\_\_\_  
 RW \_\_\_\_\_ @ \_\_\_\_\_ °F Chlorides \_\_\_\_\_ ppm Recovery Chlorides \_\_\_\_\_ ppm System

	AK-1	Alpine	PSI	Recorder No.	T-On Location
(A) Initial Hydrostatic Mud	2412	2349		3026	2:40 P.M.
(B) First Initial Flow Pressure	75	21	PSI	(depth) 4907	T-Started 15:10 P.M.
(C) First Final Flow Pressure	75	25	PSI	Recorder No. 13277	T-Open 8:13 P.M.
(D) Initial Shut-In Pressure	183	165	PSI	(depth) 4935	T-Pulled 12:43 A.M.
(E) Second Initial Flow Pressure	96	22	PSI	Recorder No. _____	T-Out 3:45 A.M.
(F) Second Final Flow Pressure	75	28	PSI	(depth) _____	T-Off Location _____
(G) Final Shut-in Pressure	216	194	PSI	Initial Opening 30	Test ✓ 750 <sup>00</sup>
(Q) Final Hydrostatic Mud	2349	2295	PSI	Initial Shut-in 60	Jars ✓ 200 <sup>00</sup>
				Final Flow 60	Safety Joint ✓ 50 <sup>00</sup>
				Final Shut-in 120	Straddle _____

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.

Approved By JD Dicker  
 Our Representative Scott Byrbae

2:30  
 17:05  
 14:35  
 9:35  
 T-Off Location \_\_\_\_\_  
 Circ. Sub ✓ N/C  
 Sampler ✓ 250<sup>00</sup>  
 Extra Packer \_\_\_\_\_  
 Elec. Rec. ✓ 150<sup>00</sup>  
 Mileage 45<sup>00</sup>  
 Other Stand by 30<sup>00</sup>  
 TOTAL PRICE \$ 1425<sup>00</sup>

TRILOBITE TESTING L.L.C.

OPERATOR : Nadel & Gussman LLC DATE 9-26-00  
 WELL NAME: Stoops 2-28 KB 0.00 ft TICKET NO: 13073 DST #2  
 LOCATION : 18-32s-42w Morton co KS GR 0.00 ft FORMATION: Morrow  
 INTERVAL : 4975.00 To 5000.00 ft TD 5000.00 ft TEST TYPE: COVENTIONAL

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 30 Rec.	13277	13277	3026			PF Fr. 2148 to 2218 hr
SI 60 Range(Psi )	4125.0	4125.0	4995.0	0.0	0.0	IS Fr. 2218 to 2318 hr
SF 30 Clock(hrs)	18hr	18 hr	elect			SF Fr. 2318 to 2348 hr
FS 120 Depth(ft )	5000.0	5000.0	4982.0	0.0	0.0	FS Fr. 2348 to 0148 hr

	Field	1	2	3	4	
A. Init Hydro	2360.0	2335.0	2350.0	0.0	0.0	T STARTED 1855 hr
B. First Flow	64.0	74.0	18.0	0.0	0.0	T ON BOTM 2147 hr
Bl. Final Flow	75.0	76.0	31.0	0.0	0.0	T OPEN 2148 hr
C. In Shut-in	896.0	898.0	895.0	0.0	0.0	T PULLED 0148 hr
D. Init Flow	86.0	88.0	33.0	0.0	0.0	T OUT 0415 hr
E. Final Flow	86.0	76.0	40.0	0.0	0.0	
F. Fl Shut-in	937.0	947.0	936.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	2308.0	2307.0	2309.0	0.0	0.0	Tool Wt. 1800.00 lbs
Inside/Outside	0	0	I			Wt Set On Packer 24000.00 lbs

RECOVERY

Tot Fluid	30.00 ft of	30.00 ft in DC and	0.00 ft in DP	Unseated Str Wt	70000.00 lbs
30.00	ft of Gas cut oil	spced mud		Bot Choke	0.78 in
0.00	ft of	2% gas 98% mud		Hole Size	7.78 in
0.00	ft of			D Col. ID	2.25 in
0.00	ft of			D. Pipe ID	3.38 in
0.00	ft of			D.C. Length	304.00 ft
0.00	ft of			D.P. Length	4604.00 ft
0.00	ft of				
0.00	ft of				
SALINITY	0.00 P.P.M.	A.P.I. Gravity	0.00		

BLOW DESCRIPTION

Initial Flow:  
 Weak 2 1/2" blow  
 Initial Shut-In:  
 No blow back.  
 Final Flow:  
 No blow at start. Built to 1/8"  
 at end.  
 Final Shut-In:  
 No blow back.

SAMPLES:  
 SENT TO:

MUD DATA-----  
 Mud Type Chemical  
 Weight 9.00 lb/c  
 Vis. 51.00 S/L  
 W.L. 12.00 in3  
 F.C. 0.00 in  
 Mud Drop  
 Amt. of fill 0.00 ft  
 Btm. H. Temp. 130.00 F  
 Hole Condition good  
 % Porosity 0.00  
 Packer Size 6.75 in  
 No. of Packers 2  
 Cushion Amt. 0.00  
 Cushion Type  
 Reversed Out N  
 Tool Chased N  
 Tester Scott Bugbee  
 Co. Rep. Tom Diesker  
 Contr. Big A  
 Rig # 4  
 Unit #  
 Pump T.

Test Successful: Y

\*\*\* TOOL DIAGRAM \*\*\* COVENTIOAL

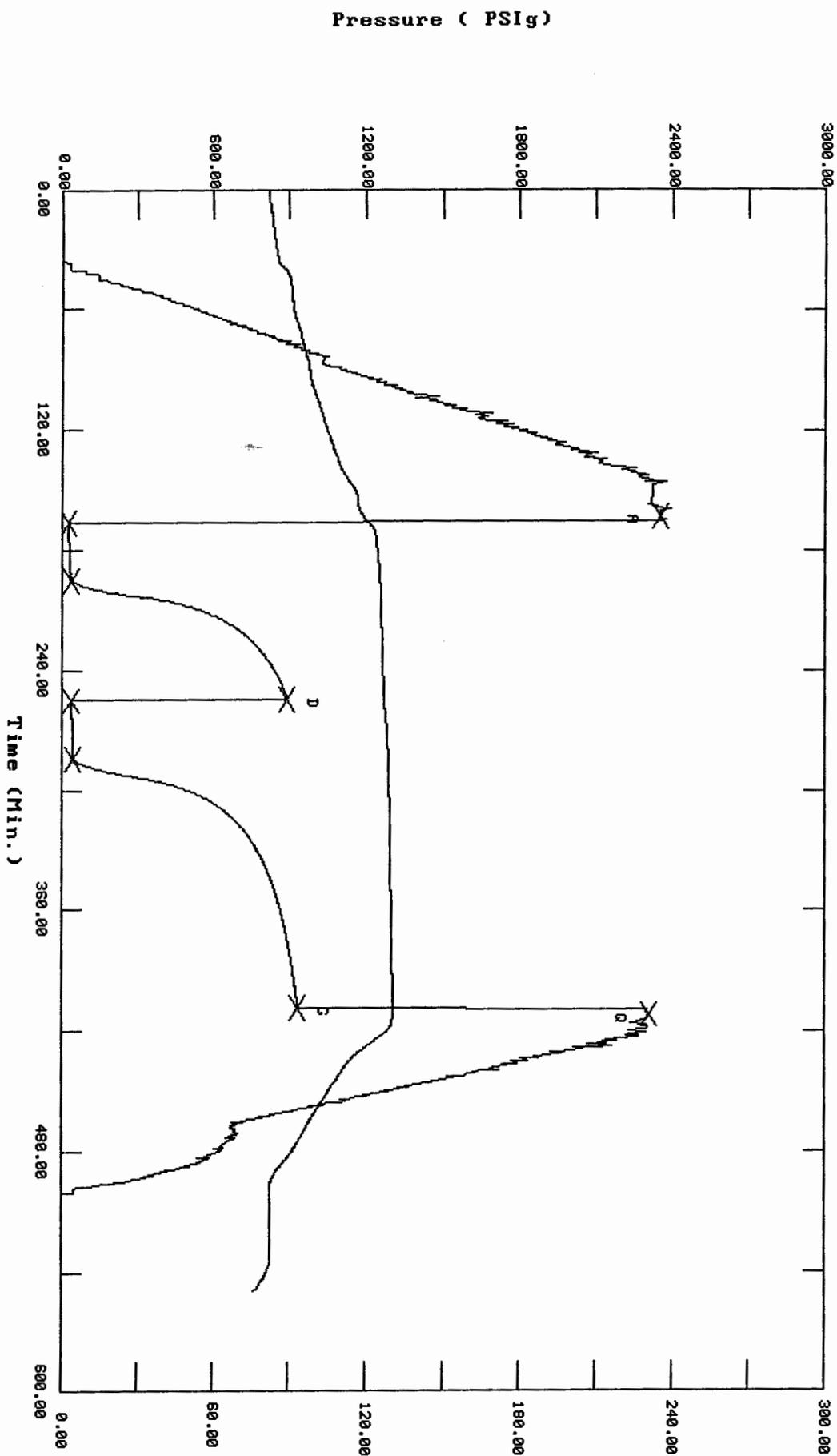
WELL NAME: Stoops 2-28	H	P.O. SUB top of tool	4945
	H	C.O. SUB 1' sub	4946
LOCATION : 18-32s-42w Morton co KS	H	S.I. TOOL 5'	4951
TICKET No. 13073 D.S.T. No. 2 DATE 9-26-00	H	3' sampler	4954
TOTAL TOOL TO BOTTOM OF TOP PACKERS ..... 30	H	HMV 5'	4959
INTERVAL TOOL .....	H		
BOTTOM PACKERS AND ANCHOR ..... 25	H	JARS 5'	4964
TOTAL TOOL ..... 55	H		
DRILL COLLAR ANCHOR IN INTERVAL .....	H		
D.C. ANCHOR STND.Stands Single Total	H	SAFETY JOINT 2'	4966
D.P. ANCHOR STND.Stands Single Total	H	PACKER 5'	4971
TOTAL ASSEMBLY .....	H	PACKER 5'	4975
D.C. ABOVE TOOLS.Stands5 Single Total 304	H	DEPTH 4975	
D.P. ABOVE TOOLS.Stands75 Single Total 4665	H	1'	4976
TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 5024	H	ANCHOR	
	H	1' perf	4977
TOTAL DEPTH ..... 5000	H		
TOTAL DRILL PIPE ABOVE K.B. .... 24	H	Alpine Rec.	4982
REMARKS:	H	5' PU sub	4982
Sampler Data	H		
600 PSI	H		
4000 ML gas cut oil speced mud	H		
5%G 95%M	H		
1800 chlorides	H		
	H	13' perf	4995
	H		
	H	Ak1 Rec.	5000
	H		
	H	BULLNOSE	
	H	T.D. 5'	5000

13073 DST #2 Stoops 2-18 Nadel & Gussman LLC.

# TEST HISTORY

Flag Points

t (Min.)	P (PSig)
A: 0.00	2350.32
B: 0.00	18.81
C: 28.50	31.49
D: 59.50	895.56
E: 0.00	33.67
F: 29.50	40.88
G: 124.00	936.88
Q: 0.00	2309.02

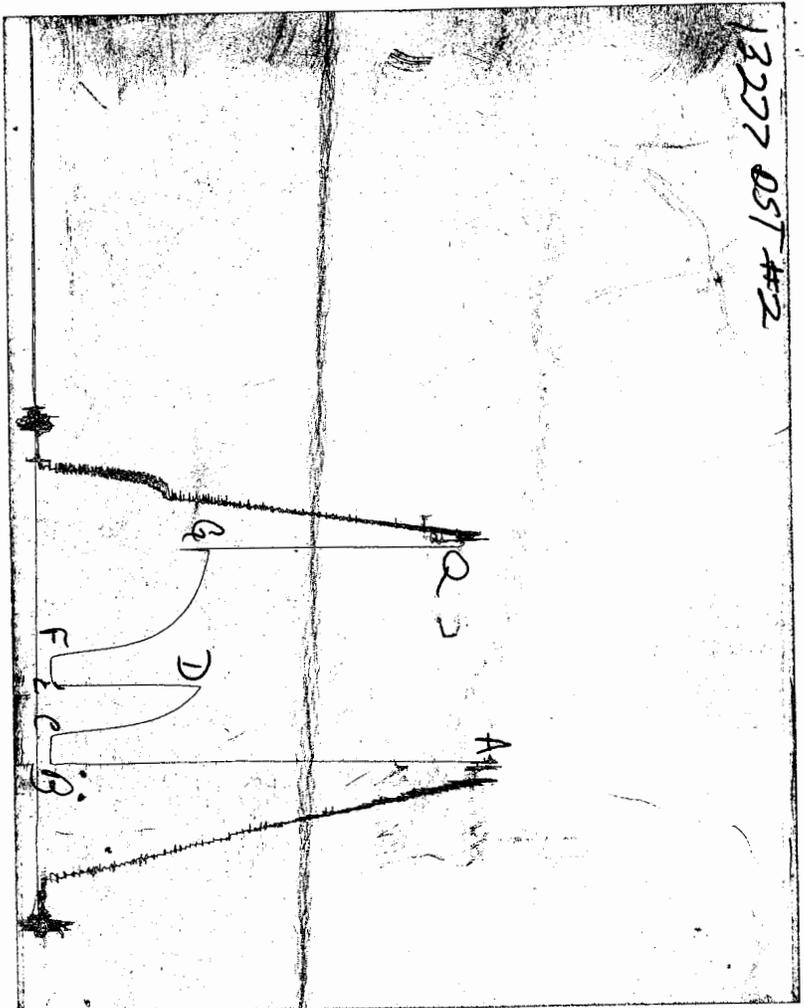


Temperature (DEG F)

Pressure (PSig)

Time (Min.)

CHART PAGE



This is a photocopy of the actual AK-1 recorder chart

# TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

No 13073

## Test Ticket

Well Name & No. Stoops 2-18- Test No. 2 Date 9-26-00  
 Company Nadel + Gussman Lbc. Zone Tested Morrow  
 Address Tulsa Okla. 74103 Elevation \_\_\_\_\_ KB \_\_\_\_\_ GL \_\_\_\_\_  
 Co. Rep / Geo. Tom Deisler Cont. Big A #4 Est. Ft. of Pay \_\_\_\_\_ Por. \_\_\_\_\_ %  
 Location: Sec. 18 Twp. 32S Rge. 42W Co. Morton State Ks  
 No. of Copies \_\_\_\_\_ Distribution Sheet (Y, N) \_\_\_\_\_ Turnkey (Y, N) \_\_\_\_\_ Evaluation (Y, N) \_\_\_\_\_

Interval Tested 4975-5000 Initial Str Wt./Lbs. 70,000 Unseated Str Wt./Lbs. 70,000  
 Anchor Length 25' Wt. Set Lbs. 24,000 Wt. Pulled Loose/Lbs. 90,000  
 Top Packer Depth 4970 Tool Weight 1500  
 Bottom Packer Depth 4975 Hole Size — 7 7/8"  Rubber Size — 6 3/4"   
 Total Depth 5000 Wt. Pipe Run \_\_\_\_\_ Drill Collar Run 3045  
 Mud Wt. 9.0 LCM 3 Vis. 51 WL 12.0 Drill Pipe Size 4 1/2 XH Ft. Run 4605 86  
 Blow Description 1<sup>st</sup> open weak 2 1/2" blow  
no blow back  
2<sup>nd</sup> no blow at start built to 118"  
no blow back

Recovery — Total Feet 30 GIP 60 Ft. in DC 30 Ft. in DP \_\_\_\_\_  
 Rec. 30 Feet Of Gas Cut oil speed mud %gas \_\_\_\_\_ %oil \_\_\_\_\_ %water 98 %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 130 °F Gravity \_\_\_\_\_ °API D@ \_\_\_\_\_ °F Corrected Gravity \_\_\_\_\_ °API \_\_\_\_\_  
 RW \_\_\_\_\_ @ \_\_\_\_\_ °F Chlorides \_\_\_\_\_ ppm Recovery Chlorides 1800 ppm System

	AK-1	Alpine	PSI	Recorder No.	T-On Location
(A) Initial Hydrostatic Mud	2360	2350		3026	6:00 P.M.
(B) First Initial Flow Pressure	64	18		(depth) 4982	T-Started 10:55 P.M.
(C) First Final Flow Pressure	75	31		Recorder No. 13277	T-Open 9:48 P.M.
(D) Initial Shut-In Pressure	896	895		(depth) 5000	T-Pulled 1:48 A.M. 9.20
(E) Second Initial Flow Pressure	86	33		Recorder No. _____	T-Out 4:15 A.M. 10:15
(F) Second Final Flow Pressure	86	40		(depth) _____	T-Off Location _____
(G) Final Shut-in Pressure	937	936		Initial Opening 30	Test <input checked="" type="checkbox"/> 750 <sup>00</sup>
(Q) Final Hydrostatic Mud	2308	2309		Initial Shut-in 60	Jars <input checked="" type="checkbox"/> 200 <sup>00</sup>
				Final Flow 30	Safety Joint <input checked="" type="checkbox"/> 50 <sup>00</sup>
				Final Shut-in 120	Straddle _____

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Approved By Tom Deisler  
 Our Representative Scott Burger

Circ. Sub  N/C  
 Sampler  250 <sup>00</sup>  
 Extra Packer \_\_\_\_\_  
 Elec. Rec.  150 <sup>00</sup>  
 Mileage 45 <sup>00</sup>  
 Other 1 hr 30  
 TOTAL PRICE \$ 1475