Computer Inventoried

15-135-23939

WELL NAME: Nies #1
COMPANY: Scott Lutz
LOCATION: 12-16S-26W
Ness County Kansas
DATE: 07/15/96

ORIGINAL

TRILOBITE TESTING L.L.C.

ORIGINAL

OPERATOR : Scott Lutz DATE 07/15/96
WELL NAME: Nies #1 KB 2588.00 ft TICKET NO: 9305 DST #1
LOCATION : 12-16S-26W, Ness Cty KS GR 2580.00 ft FORMATION: Mississippi
INTERVAL : 4494.00 To 4537.00 ft TD 4537.00 ft TEST TYPE: CONV

RECORDER DATA

	Mins		Field	1	2	3	4
PF	30	Rec.	11086	11086	10994		
SI	30	Range(Psi)	4350.0	4350.0	4200.0	0.0	0.0
SF	15	Clock(hrs)	12	12	12		
FS	15	Depth(ft)	4500.0	4500.0	4534.0	0.0	0.0

TIME DATA----------
PF Fr. 1324 to 1354 hr
IS Fr. 1354 to 1424 hr
SF Fr. 1424 to 1439 hr
FS Fr. 1439 to 1454 hr

	Field	1	2	3	4
A. Init Hydro	2327.0	2328.0	0.0	0.0	0.0
B. First Flow	43.0	33.0	0.0	0.0	0.0
B1. Final Flow	54.0	37.0	0.0	0.0	0.0
C. In Shut-in	975.0	696.0	0.0	0.0	0.0
D. Init Flow	65.0	63.0	0.0	0.0	0.0
E. Final Flow	54.0	54.0	0.0	0.0	0.0
F. Fl Shut-in	447.0	454.0	0.0	0.0	0.0
G. Final Hydro	2305.0	2317.0	0.0	0.0	0.0
Inside/Outside	I	I	O		

T STARTED 1200 hr
T ON BOTM 1322 hr
T OPEN 1324 hr
T PULLED 1500 hr
T OUT 1630 hr

RECOVERY
Tot Fluid 40.00 ft of 30.00 ft in DC and 10.00 ft in DP
0.50 ft of Free oil - 100% oil
39.50 ft of Oil cut mud - 10% oil, 90% mud

TOOL DATA----------

Tool Wt.	0.00 lbs
Wt Set On Packer	24000.00 lbs
Wt Pulled Loose	52000.00 lbs
Initial Str Wt	42000.00 lbs
Unseated Str Wt	42000.00 lbs
Bot Choke	0.75 in
Hole Size	7.88 in
D Col. ID	2.25 in
D. Pipe ID	3.80 in
D.C. Length	30.00 ft
D.P. Length	4471.00 ft

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

MUD DATA----------

Mud Type	Chemical
Weight	9.30 lb/cf
Vis.	48.00 S/L
W.L.	9.60 in3
F.C.	0.00 in
Mud Drop	
Amt. of fill	0.00 ft
Btm. H. Temp.	114.00 F
Hole Condition	
% Porosity	0.00
Packer Size	6.75 in
No. of Packers	2
Cushion Amt.	0.00
Cushion Type	
Reversed Out	
Tool Chased	
Tester	Mike McVey
Co. Rep.	Ron Nelson
Contr.	Discovery
Rig #	1
Unit #	
Pump T.	

BLOW DESCRIPTION
Initial Flow -
Built to .75" in 10 min, then backed off and died 20 min later

Initial Shutin -
No blow back

Final Flow -
Flushed tool, no blow

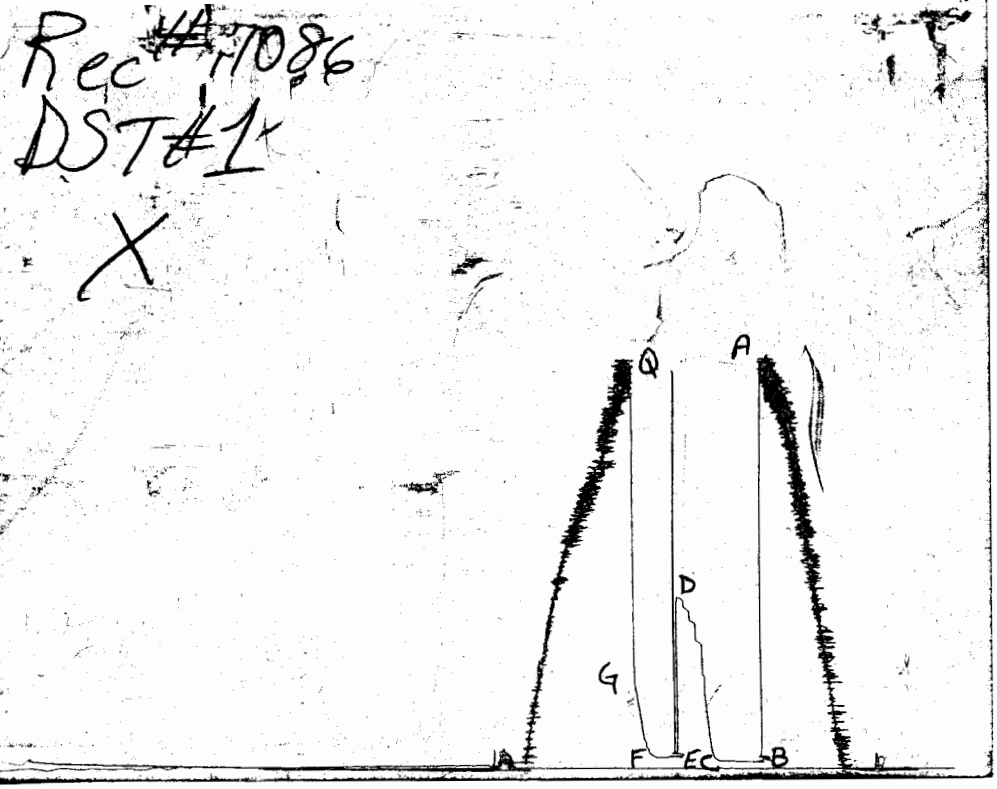
Final Shutin -
No blow back

SAMPLES:
SENT TO:

Test Successful: Y

Rec #1086
DST #1

X

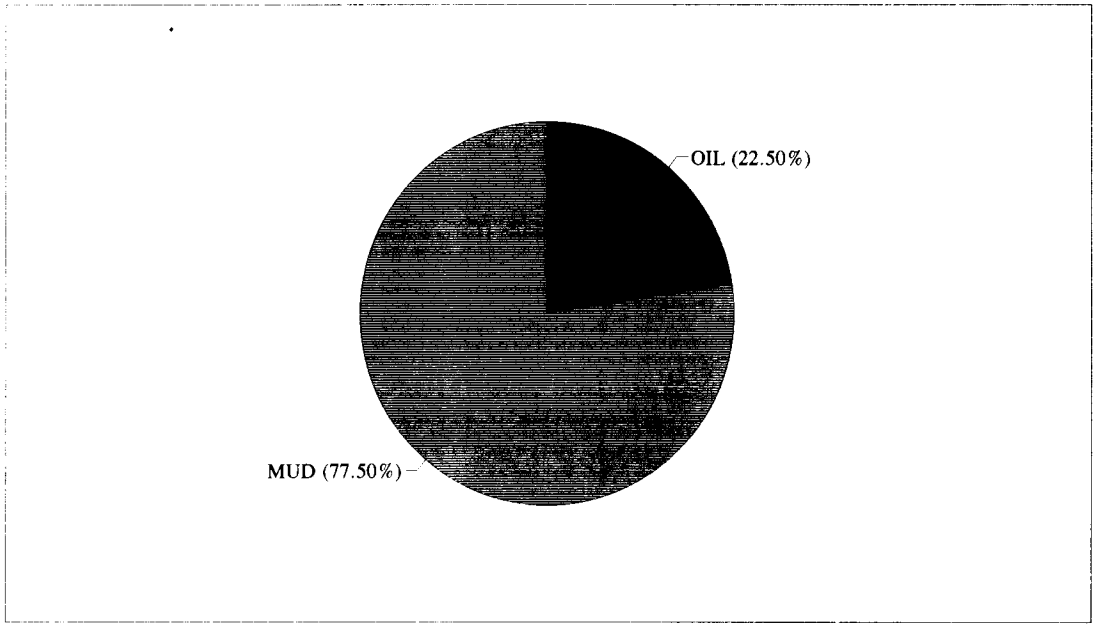


CALCULATED RECOVERY ANALYSIS

DST 1 TICKE 9305

SAMPLE #		TOTAL FEET	%	GAS FEET	%	OIL FEET	%	WATER FEET	%	MUD FEET
DRILL	1	0.5		0	100	0.5		0		0
PIPE	2	9.5		0	10	0.95		0	90	8.55
	3			0		0		0		0
	4			0		0		0		0
	5			0		0		0		0
	6			0		0		0		0
WEIGHT	1			0		0		0		0
PIPE	2			0		0		0		0
	3			0		0		0		0
	4			0		0		0		0
DRILL	1	30		0	10	3		0	90	0
COLLAR	2			0		0		0		0
	3			0		0		0		0
	4			0		0		0		0
	5			0		0		0		0
TOTAL		40		0		4.45		0		8.55

			HRS OPEN		BBL/DAY
BBL OIL=	0.03529	*	0.75	=	1.12925
BBL WATER	0	*		=	0
BBL MUD=	0.12158				
BBL GAS =	0				



TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Test Ticket

Nº 9305

Well Name & No. Nies #1 Test No. #1 Date 7-15-96

Company Scott Lutz Zone Tested Mississippi

Address P.O. Drawer "D" Shell Knob, Mo 65747 Elevation 2588 KB 2580 GL

Co. Rep / Geo. Ron Nelson Cont. Discovery Drlg Rig #1 Est. Ft. of Pay ___ Por. ___ %

Location: Sec. 12 Twp. 16s Rge. 26w Co. Ness State Ks

No. of Copies Normal Distribution Sheet (Y, N) N Turnkey (Y, N) N Evaluation (Y, N) N

Interval Tested 4494 to 4537 Initial Str Wt./Lbs. 42,000 Unseated Str Wt./Lbs. 42,000

Anchor Length 43' Wt. Set Lbs. 24,000 Wt. Pulled Loose/Lbs. 52,000

Top Packer Depth 4489 Hole Size — 7 7/8" ✓ Rubber Size — 6 3/4" ✓

Bottom Packer Depth 4494 Wt. Pipe I.D. — 2.7 Ft. Run ——

Total Depth 4537 Drill Collar — 2.25 Ft. Run 30

Mud Wt. 9.3 LCM Tr# Vis. 48 WL 9.6 Drill Pipe Size 4½ XH 3.8 I.D. Ft. Run 4471

Blow Description I.F.- Built to 3/4" in 10 min, then backed off and died 20 min later

I.S.I.- No blow back

F.F.- Flush tool, no blow

F.S.I.- No blow back

Recovery — Total Feet 40 Ft. in DC 30 Ft. in WP —— Ft. in DP 10

Rec. 1/2	Feet Of FO	%gas 100	%oil	%water	%mud	
Rec. 39½	Feet Of OCM	%gas 10	%oil	%water	%mud 90	
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 ___ °API D@ ___ °F Corrected Gravity ___ °API

RW ___ @ ___ °F Chlorides ___ ppm Recovery Chlorides 4000 ppm System

(A) Initial Hydrostatic Mud	2327 PSI	Recorder No.	11086	T-Started	1200
(B) First Initial Flow Pressure	43 PSI	@ (depth)	4500	T-Open	1324
(C) First Final Flow Pressure	54 PSI	Recorder No.	10994	T-Pulled	1500
(D) Initial Shut-in Pressure	975 PSI	@ (depth)	4534	T-Out	1630
(E) Second Initial Flow Pressure	65 PSI	Recorder No.	——		
(F) Second Final Flow Pressure	54 PSI	@ (depth)	——		
(G) Final Shut-in Pressure	447 PSI	Initial Opening	30	Test	✓
(H) Final Hydrostatic Mud	2305 PSI	Initial Shut-in	30	Jars	
		Final Flow	15	Safety Joint	
		Final Shut-in	15	Straddle	
				Circ. Sub	✓ N/C
				Sampler	
				Extra Packer	
				Elect. Rec.	
				Other	
				TOTAL PRICE $	

Approved By Ron Nelson

Our Representative Mike Hall

TRILOBITE TESTING L.L.C.

OPERATOR : Scott Lutz — DATE 07/16/96
WELL NAME: Nies #1 — KB 2588.00 ft — TICKET NO: 9306 — DST #2
LOCATION : 12-16S-26W, Ness Cty KS — GR 2580.00 ft — FORMATION: Mississippi
INTERVAL : 4494.00 To 4547.00 ft — TD 4547.00 ft — TEST TYPE: CONV

RECORDER DATA

Mins		Field	1	2	3	4
PF 15	Rec.	11086	11086	10994		
SI 15	Range(Psi)	4350.0	4350.0	4200.0	0.0	0.0
SF 0	Clock(hrs)	12	12	12		
FS 0	Depth(ft)	4531.0	4531.0	4544.0	0.0	0.0

TIME DATA----------
PF Fr. 2324 to 2339 hr
IS Fr. 2339 to 2354 hr
SF Fr. to hr
FS Fr. to hr

	Field	1	2	3	4
A. Init Hydro	2349.0	2332.0	0.0	0.0	0.0
B. First Flow	76.0	74.0	0.0	0.0	0.0
B1. Final Flow	65.0	70.0	0.0	0.0	0.0
C. In Shut-in	909.0	916.0	0.0	0.0	0.0
D. Init Flow	0.0	0.0	0.0	0.0	0.0
E. Final Flow	0.0	0.0	0.0	0.0	0.0
F. Fl Shut-in	0.0	0.0	0.0	0.0	0.0
G. Final Hydro	2327.0	2312.0	0.0	0.0	0.0
Inside/Outside		I	I	O	

T STARTED 2200 hr
T ON BOTM 2322 hr
T OPEN 2324 hr
T PULLED 2358 hr
T OUT 0130 hr

RECOVERY
Tot Fluid 10.00 ft of 10.00 ft in DC and 0.00 ft in DP
10.00 ft of Oil cut mud - 6% oil, 94% mud

TOOL DATA----------

Tool Wt.	0.00 lbs
Wt Set On Packer	24000.00 lbs
Wt Pulled Loose	48000.00 lbs
Initial Str Wt	42000.00 lbs
Unseated Str Wt	42000.00 lbs
Bot Choke	0.75 in
Hole Size	7.88 in
D Col. ID	2.25 in
D. Pipe ID	3.80 in
D.C. Length	30.00 ft
D.P. Length	4471.00 ft

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

MUD DATA----------

Mud Type	Chemical
Weight	9.30 lb/cf
Vis.	48.00 S/L
W.L.	9.60 in3
F.C.	0.00 in
Mud Drop	
Amt. of fill	0.00 ft
Btm. H. Temp.	116.00 F
Hole Condition	
% Porosity	0.00
Packer Size	6.75 in
No. of Packers	2
Cushion Amt.	0.00
Cushion Type	
Reversed Out	
Tool Chased	
Tester	Mike McVey
Co. Rep.	Ron Nelson
Contr.	Discovery
Rig #	1
Unit #	
Pump T.	

BLOW DESCRIPTION
Initial Flow -
Built to .5", then backed off to .25"

Initial Shutin -
No blow back

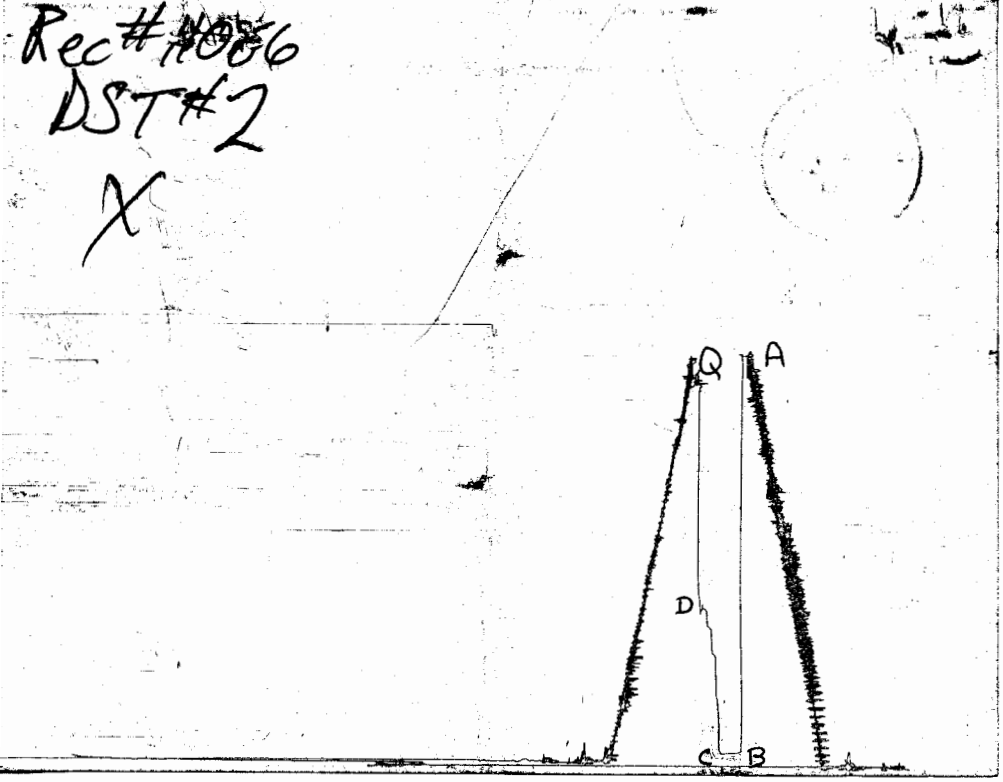
*Pulled tool

SAMPLES:
SENT TO:

Test Successful: Y

Rec #4006
DST #2

X

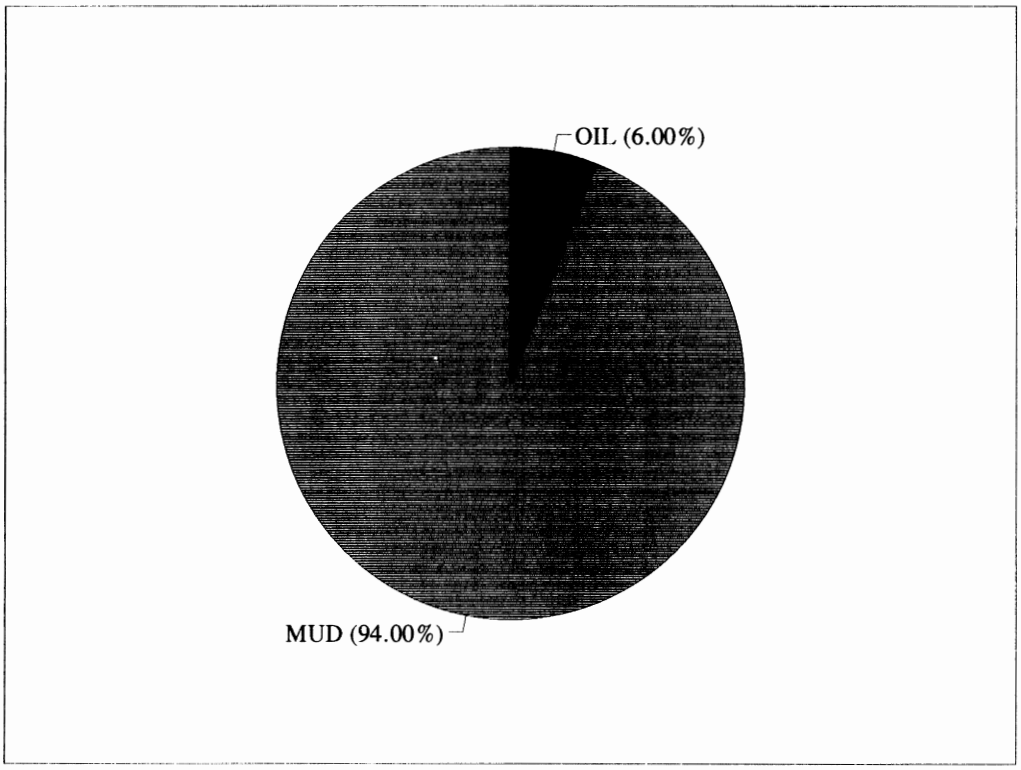


CALCULATED RECOVERY ANALYSIS - DRILL COLLARS

DST 2 TICKET 9306

SAMPLE #	TOTAL FEET	GAS %	GAS FEET	OIL %	OIL FEET	WATER %	WATER FEET	MUD %	MUD FEET
1	10		0	6	0.6		0	94	9.4
2			0		0		0		0
3			0		0		0		0
4			0		0		0		0
5			0		0		0		0
6			0		0		0		0
TOTAL	10		0		0.6		0		9.4

			HRS OPEN		BBL/DAY
BBL OIL=	0.00293	*	0.25	=	0.07042
BBL WATER=	0	*		=	0
BBL MUD=	0.04597				
BBL GAS =	0				



TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Test Ticket

№ 9306

Well Name & No. Nies #1 Test No. #2 Date 7-16-96

Company Scott Lutz Zone Tested Mississippi

Address P.O. Drawer "D" Shell Knob, Mo 65747 Elevation 2588 KB 2580 GL

Co. Rep / Geo. Ron Nelson Cont. Discovery Drlg Rig #1 Est. Ft. of Pay ___ Por. ___ %

Location: Sec. 12 Twp. 16s Rge. 26w Co. Ness State Ks

No. of Copies Normal Distribution Sheet (Y, N) N Turnkey (Y, N) N Evaluation (Y, N) N

Interval Tested 4494 to 4547 Initial Str Wt./Lbs. 42,000 Unseated Str Wt./Lbs. 42000

Anchor Length 53' Wt. Set Lbs. 24,000 Wt. Pulled Loose/Lbs. 48,000 ✓

Top Packer Depth 4489 Hole Size — 7 7/8" ✓ Rubber Size — 6 3/4" ✓

Bottom Packer Depth 4494 Wt. Pipe I.D. — 2.7 Ft. Run H

Total Depth 4547 Drill Collar — 2.25 Ft. Run 30

Mud Wt. 9.3 LCM Tr# Vis. 48 WL 9.6 Drill Pipe Size 4½ XH 3.8 I.D. Ft. Run 4471

Blow Description I.F. - Built to ½", then backed off to ¼"

I.S.I. - No blowback

F.F. - (Pull tool)

F.S.I. -

Recovery — Total Feet 10 Ft. in DC 10 Ft. in WP H Ft. in DP 0

Rec. 10	Feet Of OCM	%gas	6	%oil	%water	94	%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 116 °F Gravity ___ °API D@ ___ °F Corrected Gravity ___ °API

RW ___ @ ___ °F Chlorides ___ ppm Recovery Chlorides 4000 ppm System

(A) Initial Hydrostatic Mud	2349 PSI	Recorder No.	11086	T-Started	2200
(B) First Initial Flow Pressure	76 PSI	@ (depth)	4531	T-Open	2324
(C) First Final Flow Pressure	65 PSI	Recorder No.	10994	T-Pulled	2358
(D) Initial Shut-in Pressure	909 PSI	@ (depth)	4544	T-Out	0130
(E) Second Initial Flow Pressure	___ PSI	Recorder No.	H		
(F) Second Final Flow Pressure	___ PSI	@ (depth)	H		
(G) Final Shut-in Pressure	___ PSI	Initial Opening	15	Test	✓
(H) Final Hydrostatic Mud	2327 PSI	Initial Shut-in	15	Jars	
		Final Flow	H	Safety Joint	
		Final Shut-in	H	Straddle	
				Circ. Sub	✓ N/C
				Sampler	
				Extra Packer	
				Elect. Rec.	
				Other	
				TOTAL PRICE $	

Approved By ___

Our Representative Rick McCoy