

STATE CORPORATION COMMISSION OF KANSAS
OIL & GAS CONSERVATION DIVISION
WELL COMPLETION FOR
ACO-1 WELL HISTORY
DESCRIPTION OF WELL AND LEASE

Operator License # 7200
Name: Scott T. Lutz
Address P.O. Drawer D
City/State/Zip Shell Knob, MO 65747
Purchaser: N/A
Operator Contact Person: Scott T. Lutz
Phone (~~501~~) ~~443-5430~~ 417-858-6628
Contractor Name: Discovery Drilling, Inc.
License: 31548
Wellsite Geologist: Ron Nelson

Designate Type of Completion
 New Well Re-Entry Workover
 Oil SWD SOW Temp. Abd.
 Gas ENHR SIGW
 Dry Other (Core, WSW, Expl., Cathodic, etc)

If Workover:
Operator: _____
Well Name: _____
Comp. Date _____ Old Total Depth _____
 Deepening Re-perf. Conv. to Inj/SWD
 Plug Back PBID
 Commingled Docket No. _____
 Dual Completion Docket No. _____
 Other (SWD or Inj?) Docket No. _____
7/8/96 7/15/96 7/16/96
Spud Date Date Reached ID Completion Date

API NO. 15- 135-23,939 0000 ORIGINAL
County Ness
-SE -SW -NW Sec. 12 Twp. 16S Rge. 26 E
2310 feet from S (circle one) Line of Section
990 feet from E (circle one) Line of Section
Footages Calculated from Nearest Outside Section Corners
NE, SE, SW or SW (circle one)
Lease Name Nies Well # 1
Field Name Arnold SW
Producing Formation None
Elevation: Ground 2588 KB 2596
Total Depth 4547 PBID _____
Amount of Surface Pipe Set and Cemented at 271.49 feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set _____ feet
If Alternate II completion, cement circulated from _____
feet depth to _____ w/ _____ in cmt.
Drilling Fluid Management Plan D&A 874 4-3-97
(Data must be collected from the Reserve Pit)
Chloride content 27,000 ppm fluid volume 3000 bbls
Dewatering method used Evaporation
Location of fluid disposal if hauled offsite: _____
Operator Name _____
Lease Name _____ License No. _____
Quarter Sec. Twp. S Rng. E/W
County _____ Docket No. _____

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information on side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form (see rule 82-3-107 for confidentiality in excess of 12 months). One copy of all wireline logs and geologist well report shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells.

All requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements hereon are complete and correct to the best of my knowledge.

THOMAS C LUTZ FOR SCOTT T. LUTZ
Signature _____ Date 8/1/96
Title Operator
Subscribed and sworn to before me this 1st day of Aug, 1996.
Notary Public Sheryl Shumaker
Date Commission Expires 8/1/96

K.C.C. OFFICE USE ONLY		
<input type="checkbox"/>	Letter of Confidentiality Attached	
<input type="checkbox"/>	Wireline Log Received	
<input checked="" type="checkbox"/>	Geologist Report Received	
Distribution		
<input checked="" type="checkbox"/>	KCC	<input type="checkbox"/> SW/Rep
<input type="checkbox"/>	KGS	<input type="checkbox"/> Plug
		<input type="checkbox"/> NGPA
		<input type="checkbox"/> Other (Specify)

RECEIVED
KANSAS CORPORATION COMMISSION

Form ACO-1 (7-91)

AUG 05 1996
8-5-96
CONSERVATION DIVISION
WICHITA, KS

Operator Name Scott T. Lutz

Lease Name Nies

Well # 1

Sec. 12 Twp. 16S Rge. 26

East

County Ness

West

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all drill stem tests plus interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface during test. Attach extra sheets if more space is needed. Attach copy of log.

Drill Stem Tests taken Yes No
(Attach Additional Sheets.)

Samples Sent to Geological Survey Yes No

Cores Taken Yes No

Electric Log Run Yes No
(Submit Copy.)

List All E.Logs Run: None

Log Formation (Top), Depth and Datum Sample Name Top Datum

CASING RECORD

New Used

Report all strings set-conductor, surface, intermediate, production, etc.

Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs./ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
Surface Pipe	12 1/4	8 5/8	20	271.49	60/40Poz	170	2%Gel&3%CC

ADDITIONAL CEMENTING/SQUEEZE RECORD

Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
Perforate				
Protect Casing				
Plug Back TD				
Plug Off Zone				

Shots Per Foot	PERFORATION RECORD - Bridge Plug Set/Type Specify footage of Each Interval Perforated	Acid, fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used) Depth

TUBING RECORD	Size	Set At	Packer At	Liner Run <input type="checkbox"/> Yes <input type="checkbox"/> No

Date of first, Resumed Production, SWD or Inj. D&A Producing Method Flowing Pumping Gas Lift Other (Explain)

Estimated Production Per 24 Hours	Oil <u>N/A</u> Bbls.	Gas <u>N/A</u> Mcf	Water <u>N/A</u> Bbls.	Gas-Oil Ratio	Gravity

Disposition of Gas: Vented Sold Used on Lease (if vented, submit ACO-18.) METHOD OF COMPLETION Open Hole Perf. Dually Comp. Commingled Other (Specify) _____ Production Interval _____



Discovery Drilling

P.O. Box 763 • Hays, KS 67601 • OFFICE (913) 623-2920 • CELLULAR (913) 635-1511

ORIGINAL

DRILLERS LOG

15-135-23939

Operator: Scott T. Lutz #7200
P.O. Drawer D
Shell Knob, MO 65747

Contractor: Discovery Drilling, Inc.
P.O. Box 763
Hays, KS 67601

Lease: Nies #1

Location: SE/SW/NW
Sec. 12/16S/26W
Ness Co., KS

NO LOG

Rotary Total Depth: 4547'

Elevation: 2588 Gr./ 2596 KB

Commenced: 7/08/96

Completed: 7/16/96

Casing: 8 5/8" @ 271.49 w/170 sks

Status: D&A

DEPTHS & FORMATIONS

(All measurements from KB)

Surface, Sand & Shales	0'	Shales	2039'
Dakota Sand	881'	Shales & Lime	2505'
Shales	994'	Shales	2721'
Cedar Hill Sand	1496'	Shales & Lime	2836'
Red Bed Shale	1799'	Lime & Shales	3666'
Anhydrite	2002'	RTD	4547'
Base Anhydrite	2039'		

RECEIVED
KANSAS CORPORATION COMMISSION

AUG 05 1996

STATE OF KANSAS)
) ss
COUNTY OF ELLIS)

CONSERVATION DIVISION
WICHITA, KS

Thomas H. Alm, of Discovery Drilling, Inc. states that to the best of his knowledge the above and foregoing, is a true and correct log of the above captioned well.

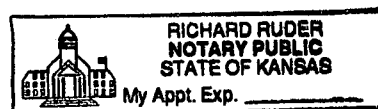
Thomas H. Alm

Subscribed and sworn to before me on 7-18-96.

My commission expires: 3-1-97.

Notary Public

(Place stamp or seal above)



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

15-135-23939

ORIGINAL

OPERATOR : Scott Lutz
WELL NAME: Nies #1
LOCATION : 12-16S-26W, Ness Cty KS
INTERVAL : 4494.00 To 4537.00 ft

DATE 07/15/96
KB 2588.00 ft TICKET NO: 9305 DST #1
GR 2580.00 ft FORMATION: Mississippi
TD 4537.00 ft TEST TYPE: CONV

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 30 Rec.	11086	11086	10994			PF Fr. 1324 to 1354 hr
SI 30 Range(Psi)	4350.0	4350.0	4200.0	0.0	0.0	IS Fr. 1354 to 1424 hr
SF 15 Clock(hrs)	12	12	12			SF Fr. 1424 to 1439 hr
FS 15 Depth(ft)	4500.0	4500.0	4534.0	0.0	0.0	FS Fr. 1439 to 1454 hr

	Field	1	2	3	4	
A. Init Hydro	2327.0	2328.0	0.0	0.0	0.0	T STARTED 1200 hr
B. First Flow	43.0	33.0	0.0	0.0	0.0	T ON BOTM 1322 hr
B1. Final Flow	54.0	37.0	0.0	0.0	0.0	T OPEN 1324 hr
C. In Shut-in	975.0	696.0	0.0	0.0	0.0	T PULLED 1500 hr
D. Init Flow	65.0	63.0	0.0	0.0	0.0	T OUT 1630 hr
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	

	Field	1	2	3	4	TOOL DATA-----
Inside/Outside	I	I	O			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

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					

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

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

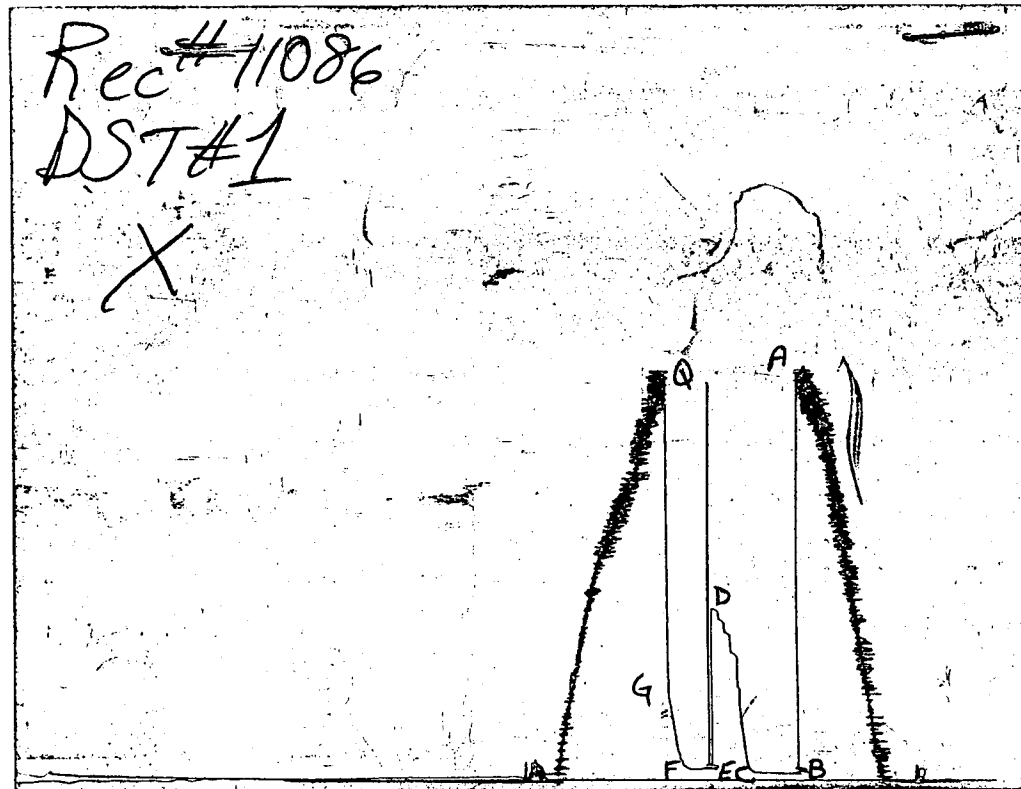
Final Shutin -
No blow back

SAMPLES:
SENT TO:

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.	

Test Successful: Y

CHART PAGE



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

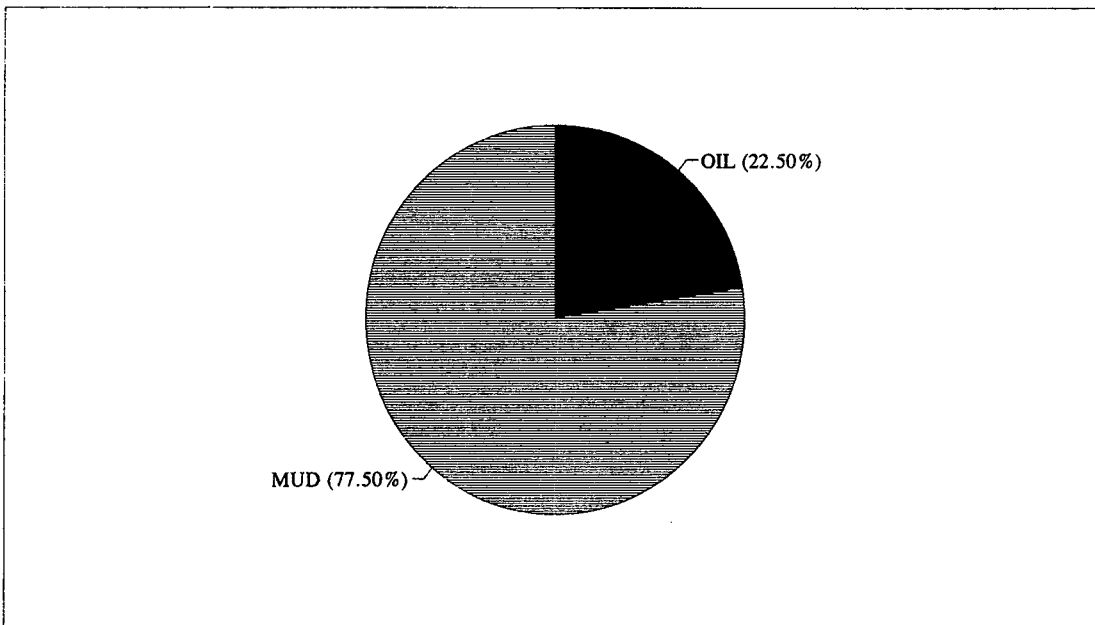
CALCULATED RECOVERY ANALYSIS

DST 1

TICKE 9305

SAMPLE #	TOTAL FEET	GAS		OIL		WATER		MUD	
		%	FEET	%	FEET	%	FEET	%	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

BBL OIL =	0.03529	*	HRS OPEN	0.75	=	BBL/DAY	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+04537 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 4 1/2" / 13.8" ID 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
E.F. - Flush tool, no blow
F.S.I. - No blow back

Recovery — Total Feet	Ft. in DC	Ft. in WP	Ft. in DP
<u>40</u>	<u>30</u>	<u>11</u>	<u>10</u>
Rec. <u>1/2</u> Feet Of <u>FO</u>	%gas <u>100</u> %oil <u> </u> %water <u> </u> %mud <u> </u>		
Rec. <u>3 9/2</u> Feet Of <u>OCM</u>	%gas <u>10</u> %oil <u> </u> %water <u>90</u> %mud <u> </u>		
Rec. <u> </u> Feet Of <u> </u>	%gas <u> </u> %oil <u> </u> %water <u> </u> %mud <u> </u>		
Rec. <u> </u> Feet Of <u> </u>	%gas <u> </u> %oil <u> </u> %water <u> </u> %mud <u> </u>		
Rec. <u> </u> Feet Of <u> </u>	%gas <u> </u> %oil <u> </u> %water <u> </u> %mud <u> </u>		

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
 Sampler
 Extra Packer
 Elect. Rec.
 Other

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 Ron Nelson
 Our Representative

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	TIME DATA-----
PF 15	Rec.	11086	11086	10994			PF Fr. 2324 to 2339 hr
SI 15	Range(Psi)	4350.0	4350.0	4200.0	0.0	0.0	IS Fr. 2339 to 2354 hr
SF 0	Clock(hrs)	12	12	12			SF Fr. to hr
FS 0	Depth(ft)	4531.0	4531.0	4544.0	0.0	0.0	FS Fr. to hr

	Field	1	2	3	4	
A. Init Hydro	2349.0	2332.0	0.0	0.0	0.0	T STARTED 2200 hr
B. First Flow	76.0	74.0	0.0	0.0	0.0	T ON BOTM 2322 hr
B1. Final Flow	65.0	70.0	0.0	0.0	0.0	T OPEN 2324 hr
C. In Shut-in	909.0	916.0	0.0	0.0	0.0	T PULLED 2358 hr
D. Init Flow	0.0	0.0	0.0	0.0	0.0	T OUT 0130 hr
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	TOOL DATA-----
G. Final Hydro	2327.0	2312.0	0.0	0.0	0.0	Tool Wt. 0.00 lbs
Inside/Outside	I	I	O			Wt Set On Packer 24000.00 lbs

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

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

BLOW DESCRIPTION

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

Initial Shutin -
 No blow back

*Pulled tool

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	

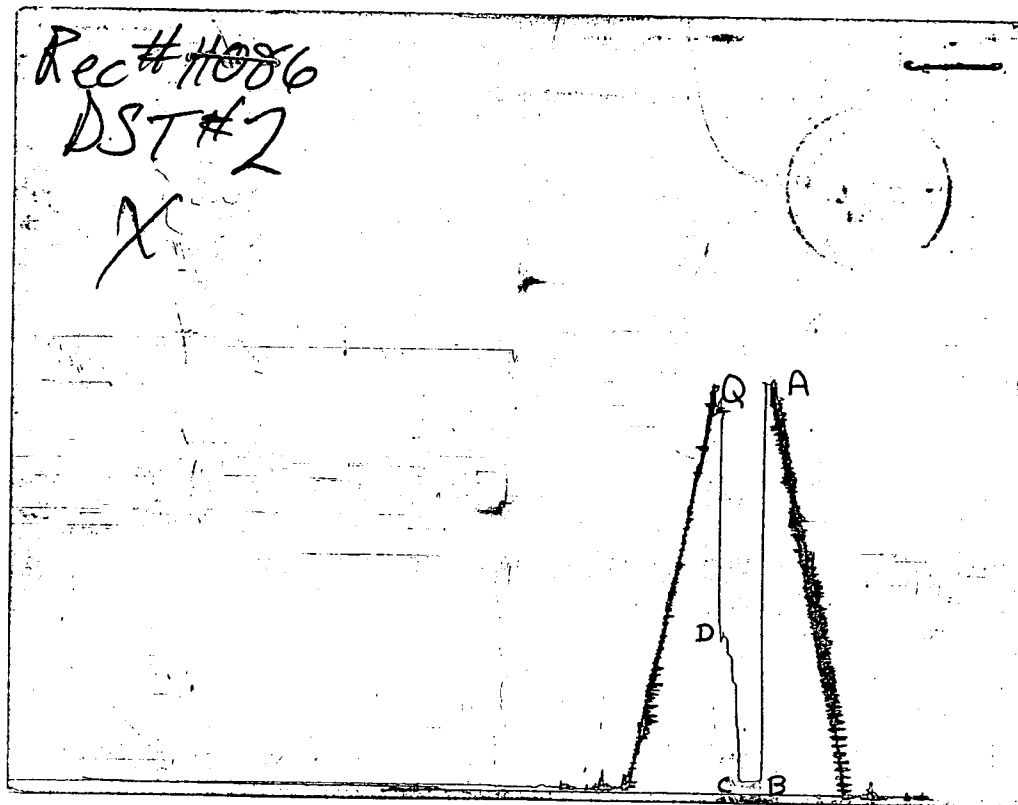
Amt. of fill	0.00 ft
Btm. H. Temp.	116.00 F
Hole Condition	
% Porosity	0.00
Packer Size	6.75 in
No. of Packers	2
Cushion Amt.	0.00
Cushion Type	
Reversed Out	
Tool Chased	

SAMPLES:
 SENT TO:

Tester Mike McVey
 Co. Rep. Ron Nelson
 Contr. Discovery
 Rig # 1
 Unit #
 Pump T.

Test Successful: Y

CHART PAGE



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

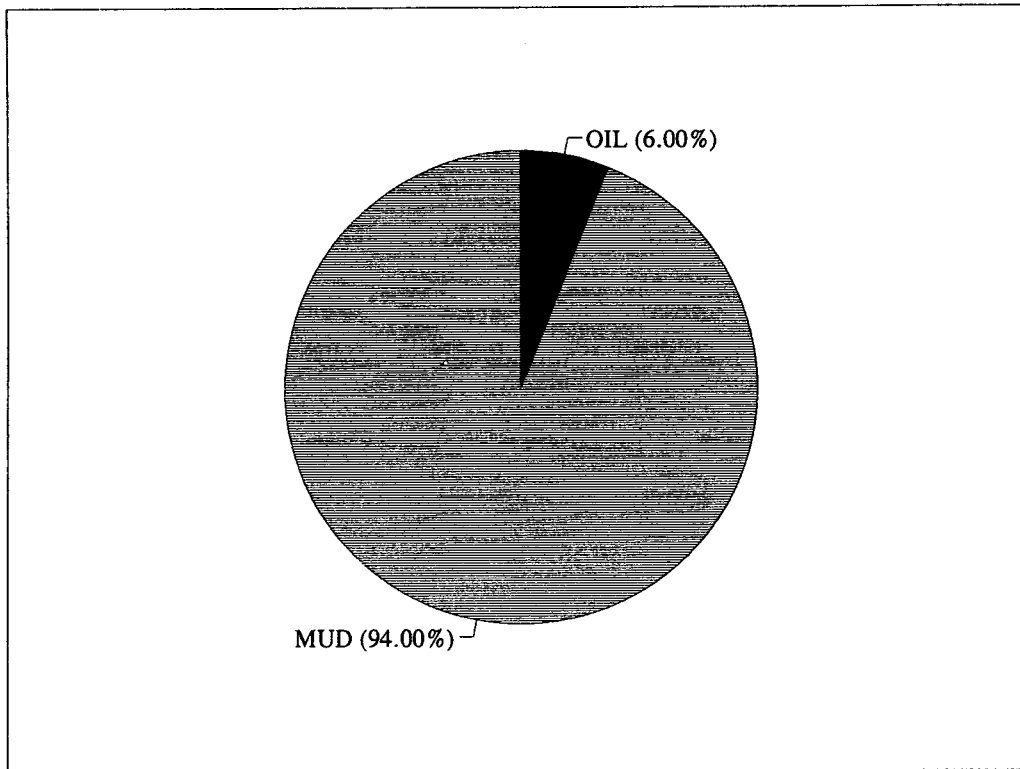
CALCULATED RECOVERY ANALYSIS - DRILL COLLARS

DST 2

TICKET 9306

SAMPLE #	TOTAL FEET	GAS		OIL		WATER		MUD	
		%	FEET	%	FEET	%	FEET	%	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

BBL OIL = 0.00293 * HRS OPEN 0.25 = BBL/DAY 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

N^o 9306

Well Name & No. <u>Nies #1</u>	Test No. <u>#2</u>	Date <u>7-15-96</u>
Company <u>Scott Lutz</u>	Zone Tested <u>Mississippi</u>	
Address <u>P.O. Drawer "D" Shell Knob, Mo 65747</u>	Elevation <u>2588</u> KB <u>2580</u> GL	
Co. Rep / Geo. <u>Ren Nelson</u>	Cont. <u>Discovery Drlg Rig #1</u>	Est. Ft. of Pay <u> </u> Por. <u> </u> %
Location: Sec. <u>12</u> Twp. <u>16S</u> Rge. <u>26W</u> Co. <u>Ness</u> State <u>Ks</u>		
No. of Copies <u>Normal</u> Distribution Sheet (Y, N) <u>N</u>	Turnkey (Y, N) <u>N</u>	Evaluation (Y, N) <u>N</u>

Interval Tested <u>4494 to 4547</u>	Initial Str Wt./Lbs. <u>42000</u>	Unseated Str Wt./Lbs. <u>42000</u>
Anchor Length <u>53'</u>	Wt. Set Lbs. <u>24,000</u>	Wt. Pulled Loose/Lbs. <u>48,000</u>
Top Packer Depth <u>4489</u>	Hole Size — 7 7/8" <input checked="" type="checkbox"/>	Rubber Size — 6 3/4" <input checked="" type="checkbox"/>
Bottom Packer Depth <u>4494</u>	Wt. Pipe I.D. — 2.7 Ft. Run <u> </u>	
Total Depth <u>4547</u>	Drill Collar — 2.25 Ft. Run <u>30</u>	
Mud Wt. <u>9.3</u> LCM <u>TR#</u> Vis. <u>48</u> WL <u>9.6</u>	Drill Pipe Size <u>4 1/2 X 11/32 I.D.</u>	Ft. Run <u>4471</u>

Blow Description IF - Built to 1/2", then backed off to 1/4"
ISI - No blowback
EF - (Pull tool)
FSI -

Recovery — Total Feet <u>10</u>	Ft. in DC <u>10</u>	Ft. in WP <u> </u>	Ft. in DP <u> </u>	
Rec. <u>10</u> Feet Of <u>OCM</u>	%gas <u>6</u>	%oil <u> </u>	%water <u>94</u>	%mud <u> </u>
Rec. <u> </u> Feet Of <u> </u>	%gas <u> </u>	%oil <u> </u>	%water <u> </u>	%mud <u> </u>
Rec. <u> </u> Feet Of <u> </u>	%gas <u> </u>	%oil <u> </u>	%water <u> </u>	%mud <u> </u>
Rec. <u> </u> Feet Of <u> </u>	%gas <u> </u>	%oil <u> </u>	%water <u> </u>	%mud <u> </u>
Rec. <u> </u> Feet Of <u> </u>	%gas <u> </u>	%oil <u> </u>	%water <u> </u>	%mud <u> </u>

BHT <u>116</u> °F Gravity <u> </u>	°API D@ <u> </u>	°F Corrected Gravity <u> </u>	°API <u> </u>
RW <u> </u> @ <u> </u> °F Chlorides <u> </u>	ppm Recovery Chlorides <u>4000</u>	ppm System <u> </u>	
(A) Initial Hydrostatic Mud <u>2349</u> PSI	Recorder No. <u>11086</u>	T-Started <u>2200</u>	
(B) First Initial Flow Pressure <u>76</u> PSI	@ (depth) <u>4531</u>	T-Open <u>2324</u>	
(C) First Final Flow Pressure <u>65</u> PSI	Recorder No. <u>10994</u>	T-Pulled <u>2358</u>	
(D) Initial Shut-in Pressure <u>909</u> PSI	@ (depth) <u>4544</u>	T-Out <u>0130</u>	
(E) Second Initial Flow Pressure <u> </u> PSI	Recorder No. <u> </u>		
(F) Second Final Flow Pressure <u> </u> PSI	@ (depth) <u> </u>		
(G) Final Shut-in Pressure <u> </u> PSI	Initial Opening <u>15</u>	Test <input checked="" type="checkbox"/>	
(H) Final Hydrostatic Mud <u>2327</u> PSI	Initial Shut-in <u>15</u>	Jars <u> </u>	

Final Flow <u> </u>	Safety Joint <u> </u>
Final Shut-in <u> </u>	Straddle <u> </u>
	Circ. Sub <input checked="" type="checkbox"/> <u>N/C</u>
	Sampler <u> </u>
	Extra Packer <u> </u>
	Elect. Rec. <u> </u>
	Other <u> </u>
	TOTAL PRICE \$ <u> </u>

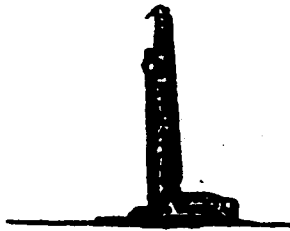
TRILOBITE TESTING L.L.C. SHALL NOT BE LIABLE FOR DAMAGE OF ANY KIND OF THE PROPERTY OR PERSONNEL OF THE ONE FOR WHOM A TEST IS MADE, OR FOR ANY LOSS SUFFERED OR SUSTAINED, DIRECTLY OR INDIRECTLY, THROUGH THE USE OF ITS EQUIPMENT, OR ITS STATEMENTS OR OPINION CONCERNING THE RESULTS OF ANY TEST. TOOLS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

Approved By
Our Representative

DISCOVERY DRILLING

P. O. Box 763 HAYS, KANSAS 67601

ORIGINAL



(913) 623-2920

Contractor Discovery Drilling, Inc Rig No. 1 Lease Nies Well No. 1
 Company Scott T. Lutz State Kansas County Ness Field Arnold SW
 API # 135-23,939 Elevation 2596 K.B. R.T.D. 4547 Spot SE SW NW Section 12 Township 16s RN 26w
 Tool Joint Conn. X H Drill Pipe Size 4 1/2 Drill Collars No. 17 O.D. 6 1/8 I.D. 2 3/8 Pump No. 1 Wilson "600"
 Tool Pusher Alm Driller Cliff Mcfield Driller Lave Breiling Driller Bill Skeen

Cat Bornbeck Construction
 Tru 4 Way & Company
 Water-Hauling None
 Testing Trilobite Testing
 Cement Surface Halliburton
 Loggers No Log L.T.D.

Run No.	Size	Make	Type	Jet Size	Serial	Depth From	To	Feet	Hours	Feet Per Hour	Weight 1000 Lbs.	RPM	Vert. Dev.	Pump Press.	Formation Tops
1	12 1/4	Smith	FAT	3/14	RT	0	273	273	3	91	AW/20	120	7 1/2°	600	Dakota Sand
2	7 7/8	HTC	ATJSC	3/13	F79 XT	273	2724	2451	27 1/2	89	20/30	100	1/2°	900	Cedar Hills Sand
3	7 7/8	HTC	ATJHC	3/13	P87 XS	2724	4547	1823	83	22	30/40	70/90	1°	900	Anhydrite (2002-2039)
(4547 ÷ 113 1/2 = 40.06 FPH)															Topeka
															Heebner
															Toronto
															LKC-BKC
															Marmaton
															Arbuckle
															Geo. Name - Ron Nelson
															Phone - 628-3449
															Dst #1 (4494-4537) (43)
															Dst #2 (4494-4547) (53)
															Dst #3
															Dst #4
															Dst #5
															Dst #6
															Dst #7
															Dst #8
															Dst #9
															Dst #10
															Dst #11

Casing Crew None
 Fuel Schreiner's
 Mud Company Andy's Type Driscoll
 Surface Mud Used 30bel 4lime 4hulls
 Mud Up @ 3650'
 1' Drlg. Time @ 3700' 10' Wet & Dry @ 3800'
 Mud Cost - \$ 4138.17
 Sur Pipe - Co. Trucks Other Cheyenne
 No Service Mud - Yes No
 Water Well No
 Frac Tank Discovery Drilling, Inc
 Motel None
 Back Hoe None
 Welder D & S Machine (Pig Welding)
 Reserve Pit Chlorides 27,000
 Pit Liner 1
Z & S Waterline - Pumped Water

Plugging Report
 State Plugger - Kevin Strube
 Surface Pipe
 Ran 6 jts. used new 20 # 8-5/8" casing
 Talley 261.49 set @ 271.49 K.B.
 Cemented w/ 170 sks. 60/40 Poz 2 7/8 bel & 5 7/8 C.C.
 Cement Did Circulate
 Plug Down @ 9:15 A.M. P.M. 7, 8, 96
 Spud @ 3:15 A.M. P.M. 7, 8, 96
 Drilled Plug @ 5:15 A.M. P.M. 7, 9, 96
 Job By Halliburton Cementing
 WATER INFORMATION
 Name Charles Walker Jr.
 Address P.O. Box 117 Phone # (913) 391-2408
 City Wichita, Kansas 67584
 Plug Down @ 9:15 A.M. P.M. 7/16/96 Social Security # 511-34-9982
 Rig Release @ A.M. P.M. Amount \$ 800.00
 Job By Allied Cementing Section 14 Township 16s Range 26w

Pond Water Well Other
 FSL FEL Permit # 859017



MUD & CHEMICAL CO.

(913) 625-3531
HAYS, KANSAS 67601

N^o 923

ORIGINAL

OPERATOR (PURCHASED BY) Scott Luta

CONTRACTOR Discovery #1 ON ORDER NO. _____

WELL NAME Nico #1 DATE 7/5/96

LOCATION Wichita 15, 204

COUNTY Neosho SEC 13 TWP 16 RGE 26 TO WAREHOUSE 11095

QUANTITY	PRODUCT	SIZE	UNIT PRICE	AMOUNT
<u>14</u>	CAUSTIC SODA BREAD CORROSIVE MATERIAL UN 1823	50 lb.		
<u>336</u>	PREMIUM GEL	100 lb.		
<u>34</u>	BAGS SODA ASH	100 lb.		
	SALT GEL	50 lb.		
	BAGS DRILSTARCH	50 lb.		
<u>46</u>	BAGS COTTONSEED HULLS	100 lb.		
<u>12</u>	BAGS LIME	50 lb.		
	PRESERVATIVE	50 lb.		
<u>1</u>	DRISPAC	50 lb.		
<u>14</u>	LIGNITE	50 lb.		

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[Signature]

[Signature]

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KANSAS CORPORATION COMMISSION

AUG 05 1996

CONSERVATION DIVISION
WICHITA, KS



MUD & CHEMICAL CO.

(913) 625-3531
HAYS, KANSAS 67801

No 927

ORIGINAL

OPERATOR (PURCHASED BY) Scott Dutz
 CONTRACTOR Discovery #1 ON ORDER NO. _____
 WELL NAME Nies #1 DATE 7/11/96
 LOCATION U-11A 1E, 2N,
 COUNTY Neos SEC 12 TWP 16 RGE 26 TO WAREHOUSE Hays

QUANTITY	PRODUCT	SIZE	UNIT PRICE	AMOUNT
	CAUSTIC SODA BREAD CORROSIVE MATERIAL UN 1823	50 lb.		
<u>56</u>	PREMIUM GEL	100 lb.		
	BAGS SODA ASH	100 lb.		
	SALT GEL	50 lb.		
	BAGS DRILSTARCH	50 lb.		
<u>60</u>	BAGS COTTONSEED HULLS	100 lb.		
	BAGS LIME	50 lb.		
	PRESERVATIVE	50 lb.		
	DRISPAC	50 lb.		
	LIGNITE	50 lb.		
<u>13</u>	<u>cedar fiber</u>	<u>60 lb.</u>		

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KANSAS CORPORATION COMMISSION

AUG 05 1996

CONSERVATION DIVISION
WICHITA, KS

ALLIED CEMENTING CO., INC.

3894

REMIT TO P.O. BOX 31
RUSSELL, KANSAS 67665

ORIGINAL

SERVICE POINT:

OAKLEY

DATE <u>7-16-96</u>	SEC <u>12</u>	TWP. <u>165</u>	RANGE <u>26W</u>	CALLED OUT	ON LOCATION <u>5:20 AM</u>	JOB START <u>6:30 AM</u>	JOB FINISH <u>9:15 AM</u>
LEASE <u>NIES</u>	WELL# <u>1</u>	LOCATION <u>UTICA 1/2 E - 23/4 N</u>			COUNTY <u>NESS</u>	STATE <u>KS</u>	

OLD OR NEW (Circle one)

CONTRACTOR DISCOVERY DRILLING INC

TYPE OF JOB PTA

HOLE SIZE 7 7/8" T.D. 4547'

CASING SIZE _____ DEPTH _____

TUBING SIZE _____ DEPTH _____

DRILL PIPE 4 1/2" DEPTH 2039'

TOOL _____ DEPTH _____

PRES. MAX _____ MINIMUM _____

MEAS. LINE _____ SHOE JOINT _____

CEMENT LEFT IN CSG. _____

PERFS. _____

OWNER SAME

CEMENT

AMOUNT ORDERED 205 SKS 60/60 P&Z 6966L

1/4" FLO-SEAL

COMMON _____ @ _____

POZMIX _____ @ _____

GEL _____ @ _____

CHLORIDE _____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

HANDLING _____ @ _____

MILEAGE _____ @ _____

EQUIPMENT

PUMP TRUCK CEMENTER TERRY

191 HELPER WAYNE

BULK TRUCK

315 DRIVER JEAN

BULK TRUCK

_____ DRIVER _____

TOTAL _____

REMARKS:

50 SKS AT 2039'

80 SKS AT 1250'

40 SKS AT 300'

10 SKS AT 40'

10 SKS MOUSE HOLE

15 SKS RAT HOLE

SERVICE

DEPTH OF JOB 2039'

PUMP TRUCK CHARGE _____

EXTRA FOOTAGE _____ @ _____

MILEAGE _____ @ _____

PLUG 8 5/8 DRY HOLE @ _____

_____ @ _____

_____ @ _____

TOTAL _____

CHARGE TO: SCOTT T. LUTZ

STREET _____

CITY _____ STATE _____ ZIP _____

FLOAT EQUIPMENT

_____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

TOTAL _____

TAX _____

TOTAL CHARGE _____

DISCOUNT _____ IF PAID IN 30 DAYS

To Allied Cementing Co., Inc.
You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read & understand the "TERMS AND CONDITIONS" listed on the reverse side.

SIGNATURE Thomas A. [Signature]