

**KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION
WELL COMPLETION FORM**

Form ACO-1
September 1999
Form Must Be Typed

WELL HISTORY - DESCRIPTION OF WELL & LEASE

ORIGINAL

Operator: License # 32835

Name: MCRAE & HENRY, LTD

Address: 1600 Stout Street, Suite 580

City/State/Zip: Denver, CO 80202

Purchaser: _____

Operator Contact Person: John Crawford

Phone: (303) 623-5999

Contractor: Name: Discovery Drilling Co., Inc.

License: 31548

Wellsite Geologist: Wes Lilley

Designate Type of Completion:

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

If Workover/Re-entry: Old Well Info as follows:

Operator: _____

Well Name: _____

Original Comp. Date: _____ Original Total Depth: _____

- Deepening Re-perf. Conv. to Enhr./SWD
- Plug Back Plug Back Total Depth
- Commingled Docket No. _____
- Dual Completion Docket No. _____
- Other (SWD or Enhr.?) Docket No. _____

<u>7/16/01</u>	<u>7/25/01</u>	<u>7/26/01</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 101-21,792-0000

County: Lane

SW - NE - SE Sec. 34 Twp. 17 S. R. 30W East West

1650 feet from (S) / N (circle one) Line of Section

990 feet from (E) / W (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:

(circle one) NE (SE) NW SW

Lease Name: Glenn Well #: 2

Field Name: Middle Creek

Producing Formation: None

Elevation: Ground: 2855 Kelly Bushing: 2863

Total Depth: 4600 Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at 211.67 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/ _____ sx cmt.

Drilling Fluid Management Plan DYA 8/15/01 JB
(Data must be collected from the Reserve Pit)

Chloride content 18,000 ppm Fluid volume 320 bbls

Dewatering method used Evaporation

Location of fluid disposal if hauled offsite: _____

Operator Name: _____

Lease Name: _____ License No.: _____

Quarter _____ Sec. _____ Twp. _____ S. R. _____ East West

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 of 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 herein are complete and correct to the best of my knowledge.

Signature: John A Crawford
Title: Engineer Date: 8-06-01

Subscribed and sworn to before me this 6th day of August

2001.

Notary Public: Kimberley Wyman

Date Commission Expires: _____

**KIMBERLEY WYMAN
NOTARY PUBLIC
STATE OF COLORADO**
My Commission Expires 12/04/2001

KCC Office Use ONLY

Letter of Confidentiality Attached

If Denied, Yes Date: _____

Wireline Log Received

Geologist Report Received

Distribution

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KCC AUG - 9 2001

KCC WICHITA

X

Operator Name: MCRAE & HENRY, LTT Lease Name: Glenn Well #: 2
Sec. 34 Twp. 17S S. R. 30W East West County: Lane

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving 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 test, along with final chart(s). Attach extra sheet if more space is needed. Attach copy of all Electric Wireline Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken <i>(Attach Additional Sheets)</i>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Stone Corral	2220'	+643'
Electric Log Run <i>(Submit Copy)</i>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	B/Stone Corral	2249'	+614'
List All E. Logs Run:		LKC	3944'	-1081'
		Stark	4214'	-1351'
		BKC	4314'	-1451'
		Marmaton	4326'	-1463'
		Pawnee	4416'	-1553'
		Ft. Scott	4466'	-1603'
		Cherokee	4488'	-1625'
		Mississippian	4553'	-1690'
		T.D.	4557'	-1737'

CASING RECORD <input checked="" type="checkbox"/> New <input type="checkbox"/> 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	211.67	Common	150	2%Ge1&3%CC

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate				
<input type="checkbox"/> Protect Casing				
<input type="checkbox"/> Plug Back TD				
<input type="checkbox"/> Plug Off Zone				

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type		Acid, Fracture, Shot, Cement Squeeze Record	
	Specify Footage of Each Interval Perforated		(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 Enhr.	Producing Method <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)
---	---

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
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Disposition of Gas Vented Sold Used on Lease *(If vented, Sumit ACO-18.)*

METHOD OF COMPLETION Open Hole Perf. Dually Comp. Commingled Other (Specify)

Production Interval

JOB LOG

15-101-21792-00-00
SWIFT Services, Inc. ORIGINAL

DATE 7-16-01 PAGE NO. 1

CUSTOMER **McRAE - HSB & DS** WELL NO. **2** LEASE **GLEW** JOB TYPE **8 5/8" SURFACE** TICKET NO. **3681**

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL/GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	2030							ON LOCATION
								TD - 212
								TP - 212
								8 5/8" #1 20
	2120							BREAK CIRCULATION
	2135	5	36.3		✓		250	MIX CEMENT
								RELEASE PLUG
	2143	6	0		✓		300	DISPLACE PLUG
	2145		12.8					PLUG DOWN - SHUT IN
								CIRCULATE 15 SKS CEMENT
								WASH-UP
	2230							JOB COMPLETE

THANK YOU
 WARRIE DUSTY CHRISTOPHER

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 JUL 30 2001
 McRAE & Henry

JOB LOG

15-101-21792-00-00

SWIFT Services, Inc.

ORIGINAL

DATE 7-25-01 PAGE NO.

CUSTOMER
McRae + Henry

WELL NO.
2

LEASE
Glenn

JOB TYPE
P.T.A.

TICKET NO.
3616

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
1	2030							on LOC wait on Rig To Run Plugging stands
								Plug w/ 245 SKS 60/40 6% gel 1/4" Hoops
								50 SKS 2260
								80 SKS 1380
								40 SKS 750
								40 SKS 230
								10 SKS 40
								10 SKS mouse hole
								15 SKS Rat hole
7-26	0100							Job Complete

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15-101-21792-00-00

ORIGINAL

TRILOBITE TESTING L.L.C.

OPERATOR : McRae & Henry LTD
WELL NAME: Glenn #2
LOCATION : 34-17-30 Lane co KS
INTERVAL : 4002.00 To 4052.00 ft

DATE 7-21-01
KB 2863.00 ft TICKET NO: 13743 DST #1
GR 2855.00 ft FORMATION: KC
TD 4052.00 ft TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 0 Rec.						PF Fr. to hr
SI 0 Range (Psi)	0.0	0.0	0.0	0.0	0.0	IS Fr. to hr
SF 0 Clock (hrs)						SF Fr. to hr
FS 0 Depth(ft)	0.0	0.0	0.0	0.0	0.0	FS Fr. to 2230 hr

	Field	1	2	3	4	
A. Init Hydro	0.0	0.0	0.0	0.0	0.0	T STARTED 2130 hr
B. First Flow	0.0	0.0	0.0	0.0	0.0	T ON BOTM hr
B1. Final Flow	0.0	0.0	0.0	0.0	0.0	T OPEN hr
C. In Shut-in	0.0	0.0	0.0	0.0	0.0	T PULLED 2230 hr
D. Init Flow	0.0	0.0	0.0	0.0	0.0	T OUT 2340 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	
G. Final Hydro	0.0	0.0	0.0	0.0	0.0	

TOOL DATA-----

Tool Wt.	1500.00 lbs
Wt Set On Packer	0.00 lbs
Wt Pulled Loose	0.00 lbs
Initial Str Wt	30000.00 lbs
Unseated Str Wt	0.00 lbs
Bot Choke	0.75 in
Hole Size	7.78 in
D Col. ID	2.25 in
D. Pipe ID	3.80 in
D.C. Length	0.00 ft
D.P. Length	0.00 ft

RECOVERY

Tot Fluid 0.00 ft of 0.00 ft in DC and 0.00 ft in DP
 0.00 ft of
 0.00 ft of
 0.00 ft of
 0.00 ft of
 0.00 ft of
 0.00 ft of
 0.00 ft of

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

BLOW DESCRIPTION

Ran tool in hole, hit bridge @ 1715-1730
Tried to work through, would not go.
Pulled tool to run bit.

MUD DATA-----

Mud Type	Chemical
Weight	9.10 lb/cf
Vis.	48.00 S/L
W.L.	8.00 in3
F.C.	0.00 in
Mud Drop	

Amt. of fill	0.00 ft
Btm. H. Temp.	0.00 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	Shane McBride
Co. Rep.	Wes Lilley
Contr.	Discovery
Rig #	
Unit #	
Pump T.	

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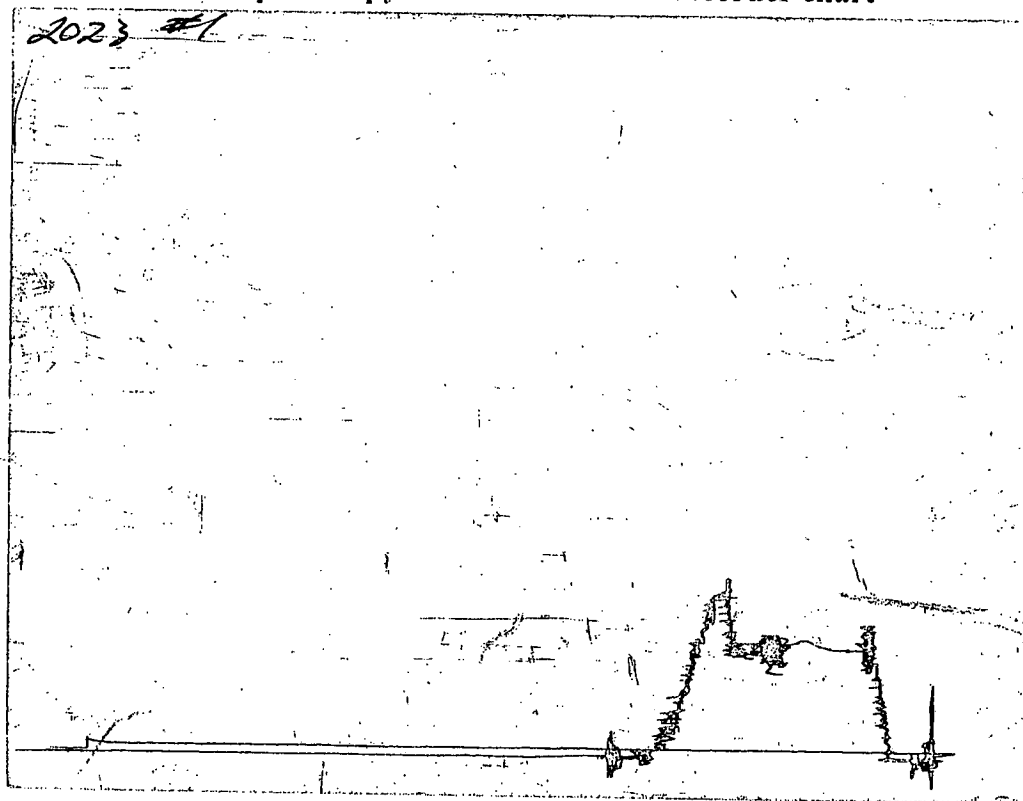
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SAMPLES:
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Test Successful: N

CHART PAGE

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TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

N^o 13743

Test Ticket

Well Name & No. Glean #2 Test No. #1 Date 7-21-01
Company McRae & Henry Ltd Zone Tested KL
Address 580 Anderson Bay Centre Blvd ^{Stout St} Denver, CO Elevation 2863 KB 2855 GL
Co. Rep / Geo. Wes Lilley Cont. Discovery Est. Ft. of Pay Por. %
Location: Sec. 34 Twp. 17 Rge. 30 Co. ~~Lawrence~~ State KS
No. of Copies Norm Distribution Sheet (Y, N) Turnkey (Y, N) Evaluation (Y, N)

Interval Tested 4002 4052 Initial Str Wt./Lbs. 24,000 Unseated Str Wt./Lbs.
Anchor Length 50 Wt. Set Lbs. Wt. Pulled Loose/Lbs.
Top Packer Depth 3997 Tool Weight 4500
Bottom Packer Depth 4002 Hole Size — 7 7/8" Rubber Size — 6 3/4"
Total Depth 4052 Wt. Pipe Run Drill Collar Run
Mud Wt. 9.1 LCM Tr Vis. 48 WL 8.0 Drill Pipe Size 4 1/2 X 11 Ft. Run
Blow Description Ran tool in hole, hit bridge @ 1715-1730 tired to work thru, would not go. pull tool to run BIT

Recovery — Total Feet	GIP	Ft. in DC		Ft. in DP	
Rec.	Feet Of	%gas	%oil	%water	%mud
		%gas	%oil	%water	%mud
		%gas	%oil	%water	%mud
		%gas	%oil	%water	%mud
		%gas	%oil	%water	%mud

BHT °F Gravity °API D@ °F Corrected Gravity °API
RW @ °F Chlorides ppm Recovery Chlorides 500 ppm System

	AK-1	Alpine	PSI Recorder No.	T-On Location
(A) Initial Hydrostatic Mud			<u>11057</u>	<u>20:25 p.m.</u>
(B) First Initial Flow Pressure			(depth) <u>4004'</u>	T-Started <u>21:30 p.m.</u>
(C) First Final Flow Pressure			PSI Recorder No. <u>2023</u>	T-Open <u> </u>
(D) Initial Shut-In Pressure			(depth) <u>4047'</u>	T-Pulled <u>22:30 p.m.</u>
(E) Second Initial Flow Pressure			PSI Recorder No. <u> </u>	T-Out <u>23:40 p.m.</u>
(F) Second Final Flow Pressure			PSI (depth) <u> </u>	T-Off Location <u>12:20 a.m.</u>
(G) Final Shut-in Pressure			PSI Initial Opening <u> </u>	Test <input checked="" type="checkbox"/>
(Q) Final Hydrostatic Mud			PSI Initial Shut-in <u> </u>	Jars <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

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Safety Joint
Straddle
Circ. Sub N/C
Sampler
Extra Packer
Elec. Rec.
Mileage 20 1 way
Other
TOTAL PRICE \$

TRILOBITE TESTING L.L.C.

OPERATOR : McRae & Henry LTD

DATE 7-22-01

WELL NAME: Glenn #2

KB 2863.00 ft

TICKET NO: 13744 DST #2

LOCATION : 34-17-30 Lane co KS

GR 2855.00 ft

FORMATION: KC

INTERVAL : 4002.00 To 4052.00 ft

TD 4052.00 ft

TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 30 Rec.	11057	11057				PF Fr. 0955 to 1025 hr
SI 30 Range (Psi)	4500.0	4500.0	0.0	0.0	0.0	IS Fr. 1025 to 1055 hr
SF 60 Clock (hrs)	12	12				SF Fr. 1055 to 1155 hr
FS 60 Depth (ft)	4004.0	4004.0	0.0	0.0	0.0	FS Fr. 1155 to 1255 hr

	Field	1	2	3	4	
A. Init Hydro	1948.0	1912.0	0.0	0.0	0.0	T STARTED 0830 hr
B. First Flow	145.0	150.0	0.0	0.0	0.0	T ON BOTM 0950 hr
B1. Final Flow	179.0	164.0	0.0	0.0	0.0	T OPEN 0955 hr
C. In Shut-in	1085.0	1076.0	0.0	0.0	0.0	T PULLED 1255 hr
D. Init Flow	201.0	207.0	0.0	0.0	0.0	T OUT 1430 hr
E. Final Flow	257.0	250.0	0.0	0.0	0.0	
F. Fl Shut-in	1051.0	1041.0	0.0	0.0	0.0	
G. Final Hydro	1937.0	1946.0	0.0	0.0	0.0	
Inside/Outside	I	I				

TOOL DATA-----

Tool Wt.	1500.00 lbs
Wt Set On Packer	30000.00 lbs
Wt Pulled Loose	60000.00 lbs
Initial Str Wt	41000.00 lbs
Unseated Str Wt	43000.00 lbs
Bot Choke	0.75 in
Hole Size	7.78 in
D Col. ID	2.25 in
D. Pipe ID	3.80 in
D.C. Length	0.00 ft
D.P. Length	4037.00 ft

RECOVERY

Tot Fluid 450.00 ft of 0.00 ft in DC and 450.00 ft in DP
 150.00 ft of Water cut mud
 0.00 ft of 30% water 70% mud
 300.00 ft of Mud cut water
 0.00 ft of 80%water 20% mud
 0.00 ft of
 0.00 ft of
 0.00 ft of
 0.00 ft of

SALINITY 26500.00 P.P.M. A.P.I. Gravity 0.00

MUD DATA-----

Mud Type	Chemical
Weight	9.20 lb/cf
Vis.	43.00 S/L
W.L.	8.00 in3
F.C.	0.00 in
Mud Drop	
Amt. of fill	0.00 ft
Btm. H. Temp.	118.00 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	Shane McBride
Co. Rep.	Wes Lilley
Contr.	Discovery
Rig #	
Unit #	
Pump T.	

BLOW DESCRIPTION

Initial Flow:
 1" @ open built to 9 1/2".
 Initial Shut-In:
 No return.
 Final Flow:
 Surface blow in 2 minutes. Bottom of bucket in 38 minutes.
 Final Shut-In:
 No return.

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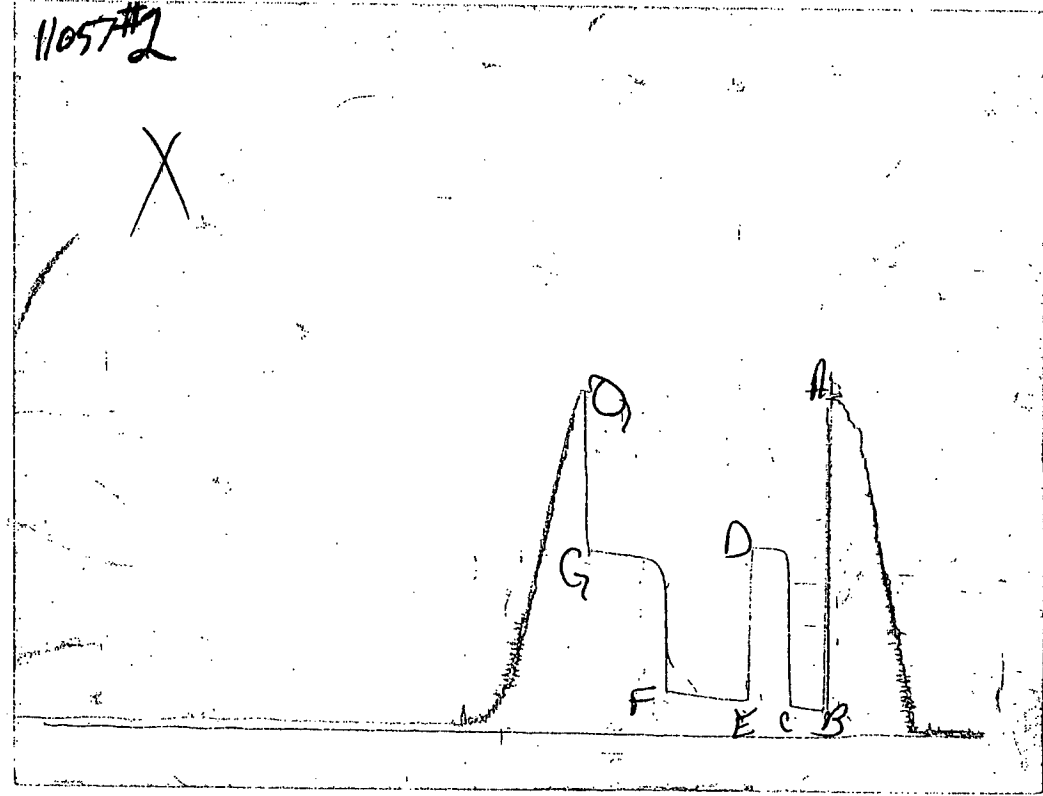
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SAMPLES:
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Test Successful: Y

CHART PAGE

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TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Nº 13744

Test Ticket

Well Name & No. Stem #2 Test No. #2 Date 7-22-01
 Company McRae & Henry Ltd Zone Tested KC
 Address 580 Hudson Bay Centre 1600 Stout St Denver Colo. Elevation 2863' KB 2855' GL
 Co. Rep / Geo. Wes Lilley Cont. Discovery Est. Ft. of Pay Por. %
 Location: Sec. 34 Twp. 17 Rge. 30 Co. Lane State KS
 No. of Copies 2 Distribution Sheet (Y, N) Turnkey (Y, N) Evaluation (Y, N)

Interval Tested 4002 4052 Initial Str Wt./Lbs. 41,000 Unseated Str Wt./Lbs. 43,000
 Anchor Length 50 Wt. Set Lbs. 39,000 Wt. Pulled Loose/Lbs. 60,000
 Top Packer Depth 3997 Tool Weight 1,500
 Bottom Packer Depth 4002 Hole Size — 7 7/8" Rubber Size — 6 3/4"
 Total Depth 4052 Wt. Pipe Run Drill Collar Run
 Mud Wt. 9.2 LCM 11 Vis. 43 WL 8.0 Drill Pipe Size 4 1/2 XH Ft. Run 4037'
 Blow Description 1" @ open built to 9 1/2" in.

No return
Surface blow in 2 min, B.O.B in 38 min.
No return

Recovery — Total Feet	GIP	Ft. in DC	Ft. in DP	%gas	%oil	%water	%mud
150			450'			30%	70%
306						80%	20%

BHT 118° °F Gravity °API D@ °F Corrected Gravity °API
 RW .198 @ 92° °F Chlorides 26,500 ppm Recovery Chlorides 500 ppm System

	AK-1	Alpine	PSI Recorder No.	T-On Location
(A) Initial Hydrostatic Mud	1948		11057	08:00 A.M.
(B) First Initial Flow Pressure	145		(depth) 4004'	T-Started 08:30 A.M.
(C) First Final Flow Pressure	179		2023	T-Open 09:55 A.M.
(D) Initial Shut-In Pressure	1085		(depth) 4047'	T-Pulled 12:55 P.M.
(E) Second Initial Flow Pressure	201		PSI Recorder No.	T-Out 14:30 P.M.
(F) Second Final Flow Pressure	257		(depth)	T-Off Location 15:10 P.M.
(G) Final Shut-in Pressure	1051		PSI Initial Opening 30	Test X
(Q) Final Hydrostatic Mud	1937		PSI Initial Shut-in 30	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.

Approved By [Signature]
 Our Representative [Signature]

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Circ. Sub X N/C
 Sampler
 Extra Packer
 Elec. Rec.
 Mileage
 Other
 TOTAL PRICE \$

TRILOBITE TESTING L.L.C.

OPERATOR : McRae & Henry LTD

DATE 7-23-01

WELL NAME: Glenn #2

KB 2863.00 ft TICKET NO: 13745 DST #3

LOCATION : 34-17-30 Lane co KS

GR 2855.00 ft FORMATION: KC

INTERVAL : 4228.00 To 4248.00 ft

TD 4248.00 ft TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 30 Rec.	11057	11057				PF Fr. 1200 to 1230 hr
SI 30 Range(Psi)	4500.0	4500.0	0.0	0.0	0.0	IS Fr. 1230 to 1300 hr
SF 30 Clock(hrs)	12	12				SF Fr. 1300 to 1330 hr
FS 30 Depth(ft)	4230.0	4230.0	0.0	0.0	0.0	FS Fr. 1330 to 1400 hr

	Field	1	2	3	4	
A. Init Hydro	2061.0	2054.0	0.0	0.0	0.0	T STARTED 1030 hr
B. First Flow	67.0	66.0	0.0	0.0	0.0	T ON BOTM 1155 hr
B1. Final Flow	67.0	61.0	0.0	0.0	0.0	T OPEN 1200 hr
C. In Shut-in	917.0	891.0	0.0	0.0	0.0	T PULLED 1400 hr
D. Init Flow	78.0	73.0	0.0	0.0	0.0	T OUT 1550 hr
E. Final Flow	78.0	73.0	0.0	0.0	0.0	
F. Fl Shut-in	906.0	890.0	0.0	0.0	0.0	
G. Final Hydro	2049.0	2037.0	0.0	0.0	0.0	
Inside/Outside	I	I				

TOOL DATA-----

Tool Wt.	1500.00 lbs
Wt Set On Packer	30000.00 lbs
Wt Pulled Loose	62000.00 lbs
Initial Str Wt	42000.00 lbs
Unseated Str Wt	42000.00 lbs
Bot Choke	0.75 in
Hole Size	7.78 in
D Col. ID	2.25 in
D. Pipe ID	3.80 in
D.C. Length	0.00 ft
D.P. Length	4226.00 ft

RECOVERY

Tot Fluid 25.00 ft of 0.00 ft in DC and 25.00 ft in DP
 25.00 ft of Drilling mud
 0.00 ft of
 0.00 ft of
 0.00 ft of
 0.00 ft of
 0.00 ft of
 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 surface blow died in 13 minutes
 Initial Shut-In:
 No return.
 Final Flow:
 Very weak surface blow died in 6 minutes.
 Final Shut-In:
 No return.

MUD DATA-----

Mud Type	Chemical
Weight	0.00 lb/cf
Vis.	0.00 S/L
W.L.	0.00 in3
F.C.	0.00 in
Mud Drop	
Amt. of fill	0.00 ft
Btm. H. Temp.	118.00 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	Shane McBride
Co. Rep.	Wes Lilley
Contr.	Discovery
Rig #	
Unit #	
Pump T.	

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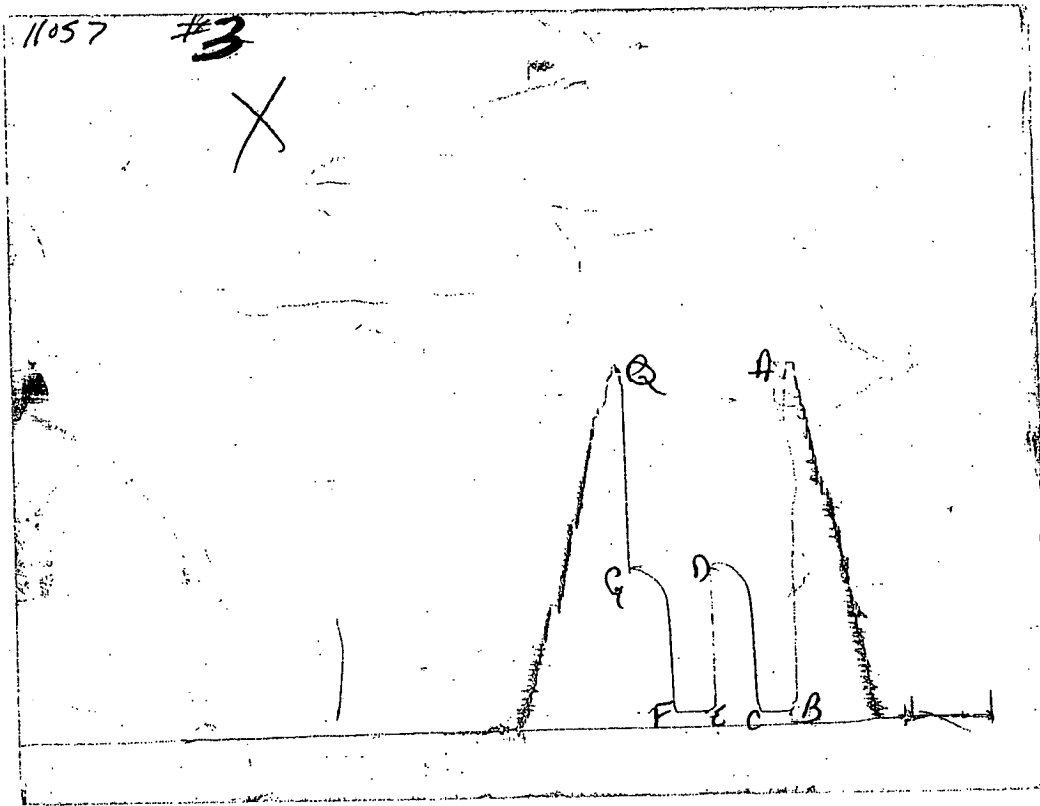
SAMPLES:

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Test Successful: Y

CHART PAGE

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



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TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

No. 13745

Test Ticket

Well Name & No. Glenn #2 Test No. #3 Date 7-23-01
 Company M^cRae & Henry Ltd Zone Tested KC
 Address 580 Hudson Bay Centre 1600 Stuart St Denver, Colo Elevation 2863 KB 2055 GL
 Co. Rep / Geo. Wes Lilley Cont. Discovery Est. Ft. of Pay Por. %
 Location: Sec. 34 Twp. 17 Rge. 30 Co. Lane State Ks
 No. of Copies Norm Distribution Sheet (Y, N) Turnkey (Y, N) Evaluation (Y, N)

Interval Tested 4228' 4248' Initial Str Wt./Lbs. 42000 Unseated Str Wt./Lbs. 42000
 Anchor Length 20' Wt. Set Lbs. 30,000 Wt. Pulled Loose/Lbs. 62000
 Top Packer Depth 4223' Tool Weight 1,500
 Bottom Packer Depth 4228' Hole Size — 7 7/8" Rubber Size — 6 3/4"
 Total Depth 4248' Wt. Pipe Run Drill Collar Run
 Mud Wt. LCM To Vis. WL Drill Pipe Size 4 1/2 X H Ft. Run 4226
 Blow Description Weak surface blow died in 13 min

No return
Very Weak surface blow died in 6 min
No return

Recovery — Total Feet 25' GIP Ft. in DC Ft. in DP 25'
 Rec. 25' Feet Of Drilling 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 118° °F Gravity °API D@ °F Corrected Gravity °API
 RW @ °F Chlorides ppm Recovery Chlorides 500 ppm System

	AK-1	Alpine	PSI Recorder No.	T-On Location
(A) Initial Hydrostatic Mud	2061		11057	09:30 A.M.
(B) First Initial Flow Pressure	67		(depth) 4230'	T-Started 10:30 A.M.
(C) First Final Flow Pressure	67		PSI Recorder No. 2023	T-Open 12:00 p.m.
(D) Initial Shut-In Pressure	917		PSI (depth) 4243'	T-Pulled 14:00 p.m.
(E) Second Initial Flow Pressure	78		PSI Recorder No. <u> </u>	T-Out 15:50 p.m.
(F) Second Final Flow Pressure	78		PSI (depth) <u> </u>	T-Off Location 16:30 p.m.
(G) Final Shut-in Pressure	906		PSI Initial Opening 30	Test <u>x</u>
(Q) Final Hydrostatic Mud	2049		PSI Initial Shut-in 30	Jars <u> </u>
			Final Flow 30	Safety Joint <u>x</u>
			Final Shut-in 30	Straddle <u> </u>
				Circ. Sub <u>x</u> <u>n/c</u>
				Sampler <u> </u>
				Extra Packer <u> </u>
				Elec. Rec. <u> </u>
				Mileage <u>20 way</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 John A Crawford
 Our Representative [Signature]

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TRILOBITE TESTING L.L.C.

OPERATOR : McRae & Henry LTD

DATE 7-24-01

WELL NAME: Glenn #2

KB 2863.00 ft

TICKET NO: 13746

DST #4

LOCATION : 34-17-30 Lane co KS

GR 2855.00 ft

FORMATION: Marmaton

INTERVAL : 4300.00 To 4370.00 ft

TD 4370.00 ft

TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins		Field	1	2	3	4	TIME DATA-----
PF 30	Rec.	11057	11057				PF Fr. 0835 to 0905 hr
SI 30	Range(Psi)	4500.0	4500.0	0.0	0.0	0.0	IS Fr. 0905 to 0935 hr
SF 30	Clock(hrs)	12	12				SF Fr. 0935 to 1005 hr
FS 30	Depth(ft)	4302.0	4302.0	0.0	0.0	0.0	FS Fr. 1005 to 1035 hr

	Field	1	2	3	4	
A. Init Flow	2083.0	2091.0	0.0	0.0	0.0	T STARTED 0710 hr
B. First Flow	56.0	65.0	0.0	0.0	0.0	T ON BOTM 0830 hr
Bl. Final Flow	56.0	65.0	0.0	0.0	0.0	T OPEN 0835 hr
C. In Shut-in	850.0	848.0	0.0	0.0	0.0	T PULLED 1035 hr
D. Init Flow	78.0	95.0	0.0	0.0	0.0	T OUT 1215 hr
E. Final Flow	78.0	87.0	0.0	0.0	0.0	
F. Fl Shut-in	839.0	852.0	0.0	0.0	0.0	
G. Final Hydro	2072.0	2074.0	0.0	0.0	0.0	
Inside/Outside	I	I				

TOOL DATA-----

Tool Wt.	1500.00 lbs
Wt Set On Packer	30000.00 lbs
Wt Pulled Loose	65000.00 lbs
Initial Str Wt	44000.00 lbs
Unseated Str Wt	44000.00 lbs
Bot Choke	0.75 in
Hole Size	7.78 in
D Col. ID	2.25 in
D. Pipe ID	3.80 in
D.C. Length	0.00 ft
D.P. Length	4314.00 ft

RECOVERY

Pot Fluid 25.00 ft of 0.00 ft in DC and 25.00 ft in DP
 25.00 ft of Drilling mud
 0.00 ft of
 0.00 ft of
 0.00 ft of
 0.00 ft of
 0.00 ft of
 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 blow died in 12 minutes
 Initial Shut-In:
 No return.
 Final Flow:
 No blow
 Final Shut-In:
 No return.

MUD DATA-----

Mud Type	Chemical
Weight	9.40 lb/cf
Vis.	54.00 S/L
W.L.	7.30 in3
F.C.	0.00 in
Mud Drop	
Amt. of fill	0.00 ft
Btm. H. Temp.	119.00 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	Shane McBride
Co. Rep.	Wes Lilley
Contr.	Discovery
Rig #	
Unit #	
Pump T.	

SAMPLES:
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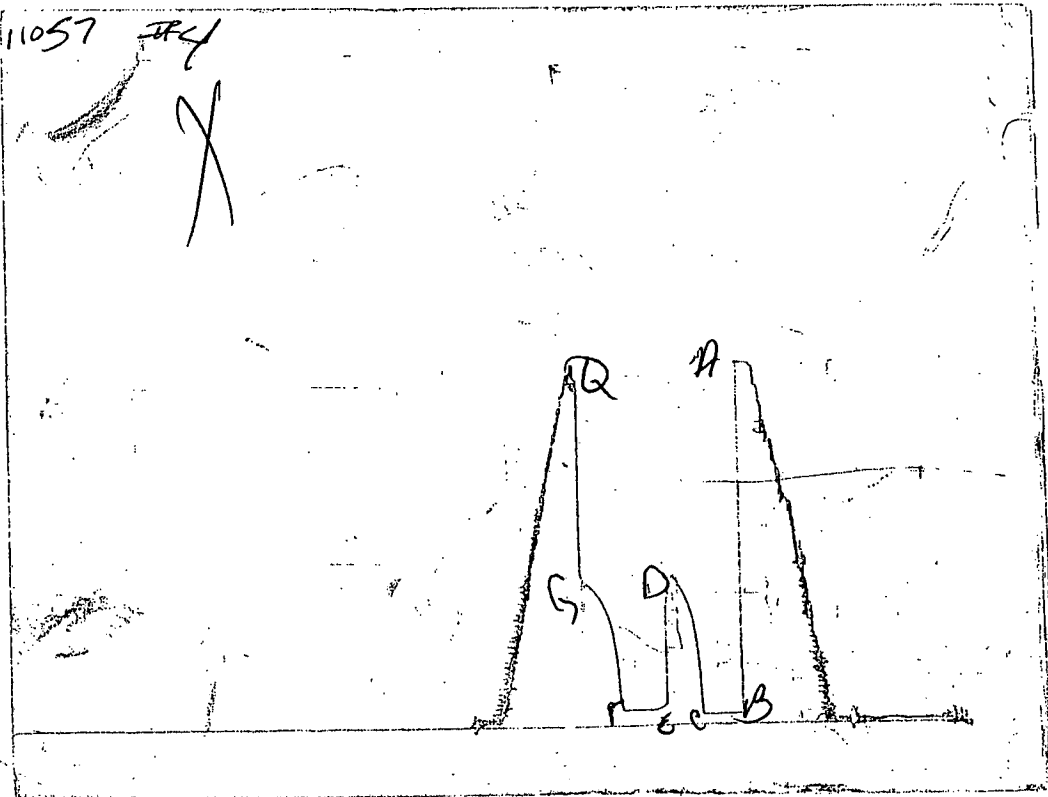
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Test Successful: Y

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Nº 13746

Test Ticket

Well Name & No. Glenn #2 Test No. #4 Date 7-24-01
 Company McRae & Henry Ltd Zone Tested MINNATOR
 Address 500 Hudson Bay Centre 1600 Stout St Denver Colo Elevation 2863' KB 2855' GL
 Co. Rep / Geo. Wes Lilley Cont. Discovery Est. Ft. of Pay Por. %
 Location: Sec. 301 Twp. 17 Rge. 30 Co. Lawe State KS
 No. of Copies None Distribution Sheet (Y, N) N Turnkey (Y, N) Evaluation (Y, N)

Interval Tested 4300 4370 Initial Str Wt./Lbs. 44000 Unseated Str Wt./Lbs. 44000
 Anchor Length 70 Wt. Set Lbs. 30000 Wt. Pulled Loose/Lbs. 125000
 Top Packer Depth 4295 Tool Weight 1500
 Bottom Packer Depth 4300 Hole Size — 7 7/8" Rubber Size — 6 3/4"
 Total Depth 4370 Wt. Pipe Run Drill Collar Run
 Mud Wt. 9.4 LCM Tr Vis. 54 WL 7.3 Drill Pipe Size 4 1/2 XH Ft. Run 4314'
 Blow Description Weak blow died in 12 min
No return
No blow
No return

Recovery — Total Feet 25' GIP Ft. in DC Ft. in DP
 Rec. 25' Feet Of Drilling 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 119° °F Gravity °API D@ °F Corrected Gravity °API
 RW @ °F Chlorides ppm Recovery Chlorides 500 ppm System

	AK-1	Alpine	PSI Recorder No.	T-On Location
(A) Initial Hydrostatic Mud	<u>2083</u>		<u>11057</u>	<u>05:30 A.M.</u>
(B) First Initial Flow Pressure	<u>56</u>		(depth) <u>4302'</u>	T-Started <u>07:10 A.M.</u>
(C) First Final Flow Pressure	<u>56</u>		PSI Recorder No. <u>2023</u>	T-Open <u>08:35 A.M.</u>
(D) Initial Shut-In Pressure	<u>850</u>		PSI (depth) <u>4365'</u>	T-Pulled <u>10:35 A.M.</u>
(E) Second Initial Flow Pressure	<u>78</u>		PSI Recorder No. <u> </u>	T-Out <u>12:15 P.M.</u>
(F) Second Final Flow Pressure	<u>78</u>		PSI (depth) <u> </u>	T-Off Location <u>13:30 p.m.</u>
(G) Final Shut-in Pressure	<u>839</u>		PSI Initial Opening <u>30</u>	Test <u>X</u>
(Q) Final Hydrostatic Mud	<u>2072</u>		PSI Initial Shut-in <u>30</u>	Jars <u> </u>
			Final Flow <u>30</u>	Safety Joint <u>X</u>
			Final Shut-in <u>30</u>	Straddle <u> </u>
				Circ. Sub <u>X N/C</u>
				Sampler <u> </u>
				Extra Packer <u> </u>
				Elec. Rec. <u> </u>
				Mileage <u>20</u> / way <u> </u>
				Other <u> </u>
				TOTAL PRICE \$ <u> </u>

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