

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

API NO. 15- 119-21025-0000 ORIGINAL
County Meade
- NE - NE Sec. 30 Twp. 34 Rge. 30 x W

Operator: License # 30604

CONFIDENTIAL

Name: Raydon Exploration, Inc.

Address 9400 N. Broadway, Ste 400

City/State/Zip Oklahoma City, OK 73114

Purchaser: N/A

Operator Contact Person: Keith Hill

Phone (316) 624-0156

Contractor: Name: Big A Drilling

License: 31572

Wellsite Geologist: Edwin Grieves

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/Reentry: Old Well Info as follows:

Operator:

Well Name:

Comp. Date Old Total Depth

Deepening Re-perf. Conv. to Inj/SWD
 Plug Back PBDT
 Commingled Docket No.
 Dual Completion Docket No.
 Other (SWD or Inj?) Docket No.

06-02-2000 06-16-2000 06-16-2000
Spud Date Date Reached TD Completion Date

Footages Calculated from Nearest Outside Section Corner:
 NE SE, NW or SW (circle one)

Lease Name Holmes Well # 1-30

Field Name Kneeland South

Producing Formation

Elevation: Ground 2530 KB 2541

Total Depth 6100 PBDT

Amount of Surface Pipe Set and Cemented at 1659 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 D2A JFH 8/23/00
(Data must be collected from the Reserve Pit)

Chloride content 7000 ppm Fluid volume bbls

Dewatering method used

Location of fluid disposal if hauled offsite:

Operator Name AUG 10 2001

Lease Name FROM CONFIDENTIAL 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 herein are complete and correct to the best of my knowledge.

Signature

Title Agent Date 06-26-2000

Subscribed and sworn to before me this 26th day of June 20 00

Notary Public

Date Commission Expires

NOTARY PUBLIC, State of Kansas
Seward County
HELEN M. SMITH
My Appt. Exp. 3-5-2001

K.C.C. OFFICE USE ONLY
F Letter of Confidentiality Attached
C Wireline Log Received
C Geologist Report Received
Distribution
 KCC SWD/Rep NGPA
 KGS Plug Other
(Specify)

SIDE TWO

Operator Name Raydon Exploration, Inc. Lease Name Holmes Well # 1-30

Sec. 30 Twp. 34 Rge. 30 East West
 County Meade

CONFIDENTIAL

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all drill stem 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 during test. Attach extra sheet if more space is needed. Attach copy of log.

<p>Drill Stem Tests Taken <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (Attach Additional Sheets.)</p> <p>Samples Sent to Geological Survey <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>Electric Log Run <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (Submit Copy.)</p> <p>List All E.Logs Run: Spectral Density Dual Spaced Neutron High Resolution Induction Log Microlog</p>	<p><input type="checkbox"/> Log Formation (Top), Depth and Datums <input checked="" type="checkbox"/> Sample</p> <table border="0" style="width: 100%;"> <tr> <td style="width: 60%;">Name</td> <td style="width: 20%;">Top</td> <td style="width: 20%;">Datum</td> </tr> <tr> <td>Chase</td> <td>2506</td> <td></td> </tr> <tr> <td>Council Grove</td> <td>2902</td> <td></td> </tr> <tr> <td>Base Heebner</td> <td>4287</td> <td></td> </tr> <tr> <td>Toronto</td> <td>4299</td> <td></td> </tr> <tr> <td>Lansing</td> <td>4430</td> <td></td> </tr> <tr> <td>Marmaton</td> <td>5116</td> <td></td> </tr> <tr> <td>Cherokee</td> <td>5337</td> <td></td> </tr> <tr> <td>Morrow FM</td> <td>5676</td> <td></td> </tr> <tr> <td>Chester FM</td> <td>5791</td> <td></td> </tr> </table>	Name	Top	Datum	Chase	2506		Council Grove	2902		Base Heebner	4287		Toronto	4299		Lansing	4430		Marmaton	5116		Cherokee	5337		Morrow FM	5676		Chester FM	5791	
Name	Top	Datum																													
Chase	2506																														
Council Grove	2902																														
Base Heebner	4287																														
Toronto	4299																														
Lansing	4430																														
Marmaton	5116																														
Cherokee	5337																														
Morrow FM	5676																														
Chester FM	5791																														

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	12-1/4"	8-5/8"	24#	1659'	Midcon C	550	2%cc, 1/4# Floce
					Premium Plus	150	2%cc, 1/4# Floce

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 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 Yes No

Date of First, Resumed Production, SWD or Inj. Producing Method Flowing Pumping Gas Lift Other (Explain)
 Waiting on pipeline

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
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Disposition of Gas: METHOD OF COMPLETION Production Interval

Vented Sold Used on Lease Open Hole Perf. Dually Comp. Commingled

(If vented, submit ACO-18.) Other (Specify) _____

HALLIBURTON **CONFIDENTIAL** **JOB SUMMARY** 4239-1

REGION: North America | TICKET #: 660683 | TICKET DATE: 6-3-2000

COUNTRY: Med Cont | BDA / STATE: KANSAS | COUNTY: Meade

MBU ID / EMP #: 106270 | EMPLOYEE NAME: Robert Edward | PSL DEPARTMENT: ZF ORIGINAL

LOCATION: FEDERAL KANSAS | COMPANY: ROYDON | CUSTOMER REP / PHONE: KEITH HELL 316-624-0156

TICKET AMOUNT: 11,522.55 | WELL TYPE: 01 | API / UWI #: NCU

WELL LOCATION: MEADE CREEK RD. | DEPARTMENT: ZF | JOB PURPOSE CODE: 010

LEASE / WELL #: Holmes #1 | SEC / TWP / RNG: 30 34 S. 30 W. | DATE: JUN 10 2000

HES EMP NAME/EMP#/(EXPOSURE HOURS) HRS	HES EMP NAME/EMP#/(EXPOSURE HOURS) HRS	HES EMP NAME/EMP#/(EXPOSURE HOURS) HRS	HES EMP NAME/EMP#/(EXPOSURE HOURS) HRS
R. Edward 106270 7.5			
A. Zimmerman 202875 7.5			
R. Mause 204458 7.5			
R. Earls 191251 7.5			

HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES
420621 P.D.	20						
54219-78299	20						
52938-6612	20						
52920-75891	20						

Form Name _____ Type: _____
 Form Thickness _____ From _____ To _____
 Packer Type _____ Set At _____
 Bottom Hole Temp. _____ Pressure _____
 Misc. Data _____ Total Depth _____

DATE	CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
6-3-2000	13:30	16:30	20:38	22:15

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY	MAKE
Float Collar <i>Inter w/SH</i>	1	Howco
Float Shoe		
Guide Shoe <i>Reg</i>	1	
Centralizers <i>S-4</i>	4	
Bottom Plug		
Top Plug <i>S WIPER</i>	1	
Head <i>MANIFOLD</i>	1	
Packer <i>WELD-A</i>	1	
Other <i>Liner Champ</i>	1	

WELL DATA

	NEW/USED	WEIGHT	SIZE	FROM	TO	MAX ALLOW
Casing	N	24	8 5/8	RB	1659	
Liner						
Liner						
Tbg/D.P.						
Tbg/D.P.						
Open Hole			12 1/4	6-L	1659	SHOTS/FT.
Perforations						
Perforations						
Perforations						

MATERIALS

Treat Fluid	Density	Lb/Gal
Disp. Fluid	Density	Lb/Gal
Prop. Type	Size	Lb.
Prop. Type	Size	Lb.
Acid Type	Gal.	%
Acid Type	Gal.	%
Surfactant	Gal.	In
NE Agent	Gal.	In
Fluid Loss	Gal/Lb	In
Gelling Agent	Gal/Lb	In
Fric. Red.	Gal/Lb	In
Breaker	Gal/Lb	In
Blocking Agent	Gal/Lb	
Perfpac Balls	Qty.	
Other		
Other		
Other		
Other		

HOURS ON LOCATION		OPERATING HOURS		DESCRIPTION OF JOB
DATE	HOURS	DATE	HOURS	
				8 5/8 SURFACE
TOTAL		TOTAL		

CEMENT DATA

STAGE	SACKS	CEMENT	BULK/SKS	ADDITIVES	YIELD	LBS/GAL
	550	MEADOW C	B	2% C.C. , 1/4 #/SK Floccle	3.17	11.1
	150	Green Plus	B	2% C.C. , 1/4 #/SK Floccle	1.34	14.8

Circulating _____ Displacement _____ Preflush: Gal - BBI _____ Type _____
 Breakdown _____ Maximum _____ Load & Bkdn: Gal - BBI _____ Pad: BBI - Gal _____
 Average _____ Frac Gradient _____ Treatment Gal - BBI _____ Disp: BBI - Gal 104
 Shut In: Instant _____ 5 Min _____ 15 Min _____ Cement Slurr Gal (BBI) 316 136
 Total Volume Gal - BBI _____

Frac Ring #1 _____ Frac Ring #2 _____ Frac Ring #3 _____ Frac Ring #4 _____

THE INFORMATION STATED HEREIN IS CORRECT

CUSTOMER'S REPRESENTATIVE SIGNATURE: *[Signature]*

JOB SUMMARY

ORDER NO. 70006

TICKET # **686037** TICKET DATE **6-16-00**

REGION **North America** COUNTRY **USA** BDA / STATE **Ks.** COUNTY **Lawrence**

MBU ID / EMP # **MCLE0103 106304** EMPLOYEE NAME **TYCO DAVIS** PSL DEPARTMENT **ZL**

LOCATION **Liberal Ks.** COMPANY **Kaydon EMP.** CUSTOMER REP / PHONE **Gilbert**

TICKET AMOUNT WELL TYPE **01** API / UWI # **KCC**

WELL LOCATION **Lang S. P11115** DEPARTMENT **ZL** JOB PURPOSE CODE **115** **JUN 16 2000**

LEASE / WELL # **Holmes #1** SEC / TWP / RNG **30-34-30**

ORIGINAL

CONFIDENTIAL

HES EMP NAME/EMP#/(EXPOSURE HOURS) HRS	HES EMP NAME/EMP#/(EXPOSURE HOURS) HRS	HES EMP NAME/EMP#/(EXPOSURE HOURS) HRS	HES EMP NAME/EMP#/(EXPOSURE HOURS) HRS
T. Davis 106304 3A			
S. Engel 106099 1			
R. Ballinger 106944 1			

RELEASED

AUG 10 2001

FROM CONFIDENTIAL

HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES
54218-78202	20						
52938-75821	20						

Form Name _____ Type: _____
 Form Thickness _____ From _____ To _____
 Packer Type _____ Set At _____
 Bottom Hole Temp. _____ Pressure _____
 Misc. Data _____ Total Depth _____

DATE	CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
	6-16-00	11:00 6-16-00	6-16-00	6-16-00
TIME	1400	1630	1730	1930

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY	MAKE
Float Collar		
Float Shoe		
Guide Shoe		
Centralizers		
Bottom Plug		
Top Plug		
Head		
Packer		
Other		

WELL DATA

	NEW/USED	WEIGHT	SIZE	FROM	TO	MAX ALLOW
Casing						
Liner						
Liner						
Tbg/O.D.	U	16.6	4 1/2	KS	1620	
Tbg/D.P.						
Open Hole						SHOTS/FT.
Perforations						
Perforations						
Perforations						

MATERIALS

Treat Fluid	Density	Lb/Gal
Disp. Fluid	Density	Lb/Gal
Prop. Type	Size	Lb.
Prop. Type	Size	Lb.
Acid Type	Gal.	%
Acid Type	Gal.	%
Surfactant	Gal.	In
NE Agent	Gal.	In
Fluid Loss	Gal/Lb	In
Gelling Agent	Gal/Lb	In
Fric. Red.	Gal/Lb	In
Breaker	Gal/Lb	In
Blocking Agent	Gal/Lb	
Perfpac Balls	Qty.	
Other		
Other		
Other		
Other		

HOURS ON LOCATION		OPERATING HOURS		DESCRIPTION OF JOB
DATE	HOURS	DATE	HOURS	
				PT 19
TOTAL		TOTAL		

ORDERED	HYDRAULIC HORSEPOWER	Used
	Avail.	
TREATED	AVERAGE RATES IN BPM	Overall
	Disp.	
FEET	CEMENT LEFT IN PIPE	Reason

CEMENT DATA

STAGE	SACKS	CEMENT	BULK/SKS	ADDITIVES	YIELD	LBS/GAL
1	125	60/40 MP	KS	6% GP	1.64	13.2

Circulating _____ Displacement _____ Preflush: Gal - BBI _____ Type _____
 Breakdown _____ Maximum _____ Load & Bkdn: Gal - BBI _____ Pad: BBI - Gal _____
 Average _____ Frac Gradient _____ Treatment Gal - BBI _____ Disp: BBI - Gal **2.0**
 Shut In: Instant _____ 5 Min _____ 15 Min _____ Cement Slurr Gal **(BBI) 36.5**
 Total Volume Gal - BBI _____

RELEASED

AUG 10 2001

FROM CONFIDENTIAL

WELL NAME:

COMPANY:

LOCATION:

DATE:

Holmes #1

Raydon Exploration

30-34s-30w

Meade co Kansas

6/16/00

RECEIVED

STATE CORPORATION COMMISSION

AUG 14 2000

CONSERVATION DIVISION

TOPEKA, KANSAS

TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Test Ticket

N^o 12591

Well Name & No. <u>Holmes #1</u>		Test No. <u>#2</u>	Date <u>6-9-00</u>
Company <u>Raydon Exploration</u>		Zone Tested <u>Lansing</u>	
Address <u>OKla. City OK. 73114</u>		Elevation _____	KB _____ GL _____
Co. Rep / Geo. <u>Ed Reeves</u>	Cont. <u>Big A #1</u>	Est. Ft. of Pay _____	Por. _____ %
Location: Sec. <u>30</u>	Twp. <u>34S</u>	Rge. <u>30W</u>	Co. <u>Meade</u> State <u>KS</u>
No. of Copies _____	Distribution Sheet (Y, N) _____	Turnkey (Y, N) _____	Evaluation (Y, N) _____

Interval Tested <u>4437 - 4460</u>	Initial Str Wt./Lbs. <u>80,000</u>	Unseated Str Wt./Lbs. <u>82,000</u>
Anchor Length <u>23'</u>	Wt. Set Lbs. <u>30,000</u>	Wt. Pulled Loose/Lbs. <u>120,000</u>
Top Packer Depth <u>4432</u>	Tool Weight <u>1800</u>	
Bottom Packer Depth <u>4437</u>	Hole Size — 7 7/8" <input checked="" type="checkbox"/>	Rubber Size — 6 3/4" <input checked="" type="checkbox"/>
Total Depth <u>4460</u>	Wt. Pipe Run _____	Drill Collar Run <u>353</u> ^{65 lbs}
Mud Wt. <u>8.9</u> LCM <u>3</u> Vis. <u>46</u> WL <u>8.4</u>	Drill Pipe Size <u>4 1/2 XH</u>	Ft. Run <u>4082</u> ^{16 #}
Blow Description <u>1st open strong blow B.O.B. in 1 min. Gradually died back to 10"</u>		
<u>Bled 2" Blow back</u>		
<u>2nd open B.O.B. in 1 min. Strong GTS in 5 min. Gas well burn</u>		
<u>Bled 2" Blow back built to 10"</u>		

Recovery — Total Feet <u>4120</u>	GIP <u>GTS</u>	Ft. in DC <u>353</u>	Ft. in DP <u>67</u>
Rec. <u>10</u>	Feet Of <u>Gas cut muddy oil</u>	<u>10%</u> gas <u>50%</u> oil	<u>40%</u> water
Rec. <u>180</u>	Feet Of <u>Gassy oily watery mud</u>	<u>50%</u> gas <u>20%</u> oil	<u>5%</u> water <u>25%</u> mud
Rec. <u>60</u>	Feet Of <u>Gas cut oil cut muddy wt.</u>	<u>10%</u> gas <u>5%</u> oil	<u>60%</u> water <u>25%</u> mud
Rec. <u>170</u>	Feet Of <u>Water</u>	<u>100%</u> water	<u>0%</u> mud

BHT _____ °F Gravity _____ °API D@ _____ °F Corrected Gravity _____ °API
 RW all @ 75 °F Chlorides 75,000 ppm Recovery Chlorides _____ ppm System

(A) Initial Hydrostatic Mud	<u>AK-1</u> <u>2132</u>	<u>Alpine</u> <u>2079</u>	PSI Recorder No. <u>3026</u>	T-On Location <u>11:45 A.M.</u>
(B) First Initial Flow Pressure	<u>64</u>	<u>50</u>	PSI (depth) <u>4445</u>	T-Started <u>12:20 P.M.</u>
(C) First Final Flow Pressure	<u>86</u>	<u>93</u>	PSI Recorder No. <u>13277</u>	T-Open <u>2:40 P.M.</u>
(D) Initial Shut-In Pressure	<u>1019</u>	<u>1049</u>	PSI (depth) <u>4460</u>	T-Pulled <u>7:10 P.M.</u>
(E) Second Initial Flow Pressure	<u>908</u>	<u>90</u>	PSI Recorder No. _____	T-Out <u>9:20 P.M.</u>
(F) Second Final Flow Pressure	<u>172</u>	<u>171</u>	PSI (depth) _____	T-Off Location _____
(G) Final Shut-in Pressure	<u>1019</u>	<u>1033</u>	PSI Initial Opening <u>30</u>	Test <input checked="" type="checkbox"/> <u>730</u> ⁰⁰
(Q) Final Hydrostatic Mud	<u>2018</u>	<u>2039</u>	PSI Initial Shut-in <u>60</u>	Jars <input checked="" type="checkbox"/> _____
			Final Flow <u>60</u>	Safety Joint <input checked="" type="checkbox"/> <u>50</u> ⁰⁰
			Final Shut-in <u>120</u>	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 Edwin K. Reeves
 Our Representative Scott Bingham

Circ. Sub NR
 Sampler _____
 Extra Packer _____
 Elec. Rec. 150 ⁰⁰
 Mileage _____
 Other Shale packer 150 ⁰⁰
 TOTAL PRICE \$ 1250 ⁰⁰

TRILOBITE TESTING L.L.C.

OPERATOR : Raydon Exploration
 WELL NAME: Holmes #1
 LOCATION : 30-34s-30w Meade co KS
 INTERVAL : 4915.00 To 4960.00 ft

DATE 6-11-00

KB 0.00 ft TICKET NO: 12592 DST #3
 GR 0.00 ft FORMATION: Upper Hodges
 TD 4960.00 ft TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 30 Rec.	13277	13277	3026			PF Fr. 1212 to 1242 hr
SI 60 Range(Psi)	4125.0	4125.0	4995.0	0.0	0.0	IS Fr. 1242 to 1342 hr
SF 60 Clock(hrs)	18hr	18hr	elect			SF Fr. 1342 to 1442 hr
FS 120 Depth(ft)	4960.0	4960.0	4925.0	0.0	0.0	FS Fr. 1442 to 1642 hr

	Field	1	2	3	4	
A. Init Hydro	2391.0	2446.0	2315.0	0.0	0.0	T STARTED 1020 hr
B. First Flow	86.0	91.0	26.0	0.0	0.0	T ON BOTM 1211 hr
B1. Final Flow	140.0	148.0	127.0	0.0	0.0	T OPEN 1212 hr
C. In Shut-in	1592.0	1584.0	1561.0	0.0	0.0	T PULLED 1642 hr
D. Init Flow	194.0	208.0	133.0	0.0	0.0	T OUT 1920 hr
E. Final Flow	270.0	269.0	234.0	0.0	0.0	
F. Fl Shut-in	1582.0	1581.0	1561.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	2194.0	2203.0	2236.0	0.0	0.0	Tool Wt. 1800.00 lbs
Inside/Outside	0	0	I			Wt Set On Packer 30000.00 lbs
						Wt Pulled Loose 110000.00 lbs
						Initial Str Wt 86000.00 lbs
						Unseated Str Wt 86000.00 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 353.00 ft
						D.P. Length 4547.00 ft

RECOVERY

Tot Fluid 440.00 ft of 353.00 ft in DC and 87.00 ft in DP
 90.00 ft of Mud
 0.00 ft of 100% mud
 240.00 ft of Muddy water
 0.00 ft of 70% water 30% mud
 110.00 ft of Water
 0.00 ft of 100% water
 0.00 ft of
 0.00 ft of

SALINITY 75000.00 P.P.M. A.P.I. Gravity 0.00

BLOW DESCRIPTION

Initial Flow:
 Weak blow built to 4 1/2".
 Initial Shut-In:
 Bled 2" no blow back.
 Final Flow:
 Weak blow built to 2"
 Final Shut-In:
 No blow back.

SAMPLES:
 SENT TO:

MUD DATA-----

Mud Type	Chemical
Weight	8.90 lb/cf
Vis.	42.00 S/L
W.L.	8.00 in3
F.C.	0.00 in
Mud Drop	
Amt. of fill	0.00 ft
Btm. H. Temp.	120.00 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.	Ed Grieves
Contr.	Big A
Rig #	1
Unit #	
Pump T.	

Test Successful: Y

*** TOOL DIAGRAM *** CONVENTIONAL

WELL NAME: Holmes #1

LOCATION : 30-34s-30w Meade co KS

TICKET No. 12592 D.S.T. No. 3 DATE 6-11-00

TOTAL TOOL TO BOTTOM OF TOP PACKERS 27

INTERVAL TOOL

BOTTOM PACKERS AND ANCHOR 45

TOTAL TOOL 72

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.Stands6 Single Total 353

D.P. ABOVE TOOLS.Stands73 Single 1 Total 4547

TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 4972

TOTAL DEPTH 4960

TOTAL DRILL PIPE ABOVE K.B. 12

REMARKS:

RW .10 at 75 deg.

75000 chlorides

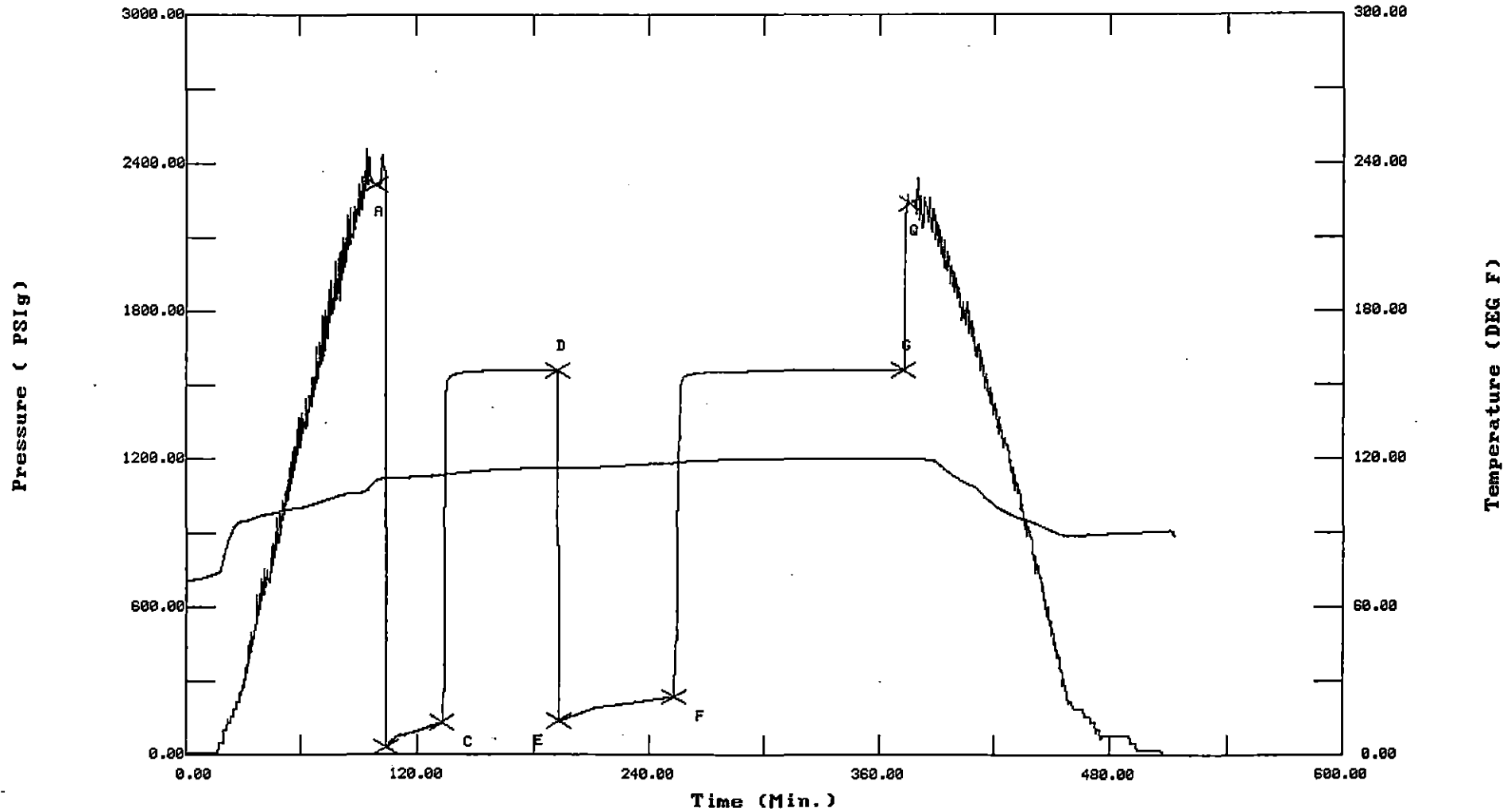
P.O. SUB top of tool	4888
C.O. SUB 1' DP	4889
S.I. TOOL 5'	4894
HMV 5'	4899
JARS 5'	4904
SAFETY JOINT 2'	4906
PACKER 5'	4911
PACKER 5' Shale Packer	4915
DEPTH 4915	
1'	4916
ANCHOR	
4' perf	4920
Alpine Rec.	4925
5' PU sub	4925
30' perf	4955
AK1 Rec.	4960
BULLNOSE	
T.D. 5'	4960

TEST HISTORY

DST#3 12592 Holmes #1 Raydon Exploration

Flag Points

	t (Min.)	P (PSig)
A:	0.00	2315.93
B:	0.00	26.92
C:	28.75	127.96
D:	60.00	1561.85
E:	0.00	133.43
F:	60.00	234.90
G:	119.00	1561.71
Q:	0.00	2236.21



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

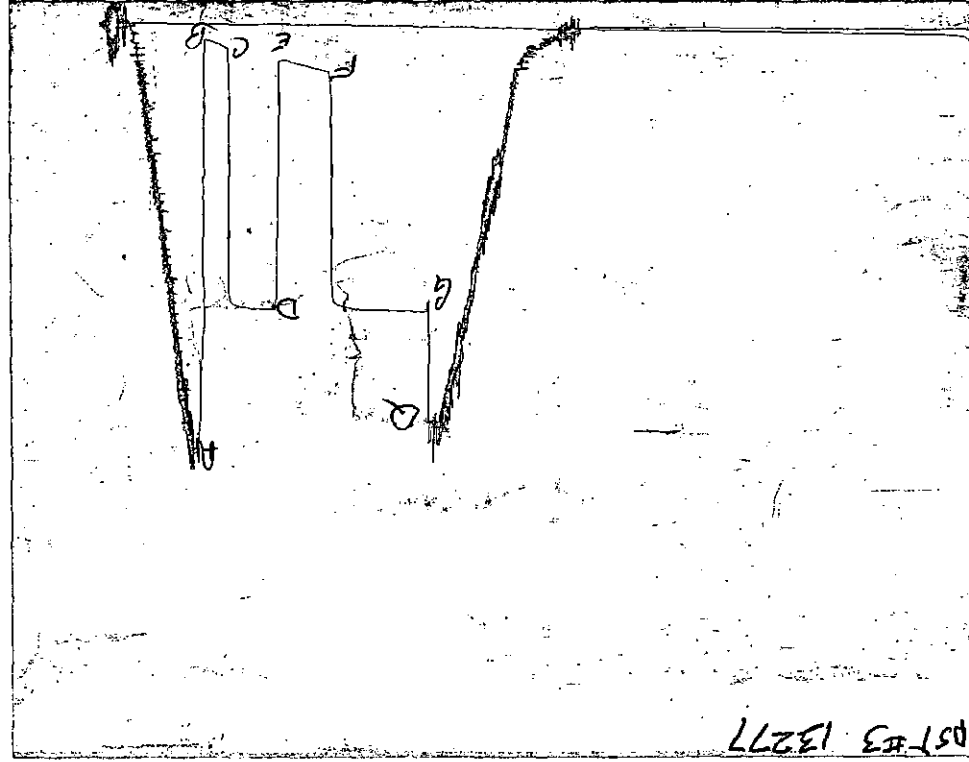


CHART PAGE

DST #3 13277

*** TOOL DIAGRAM *** CONVENTIONAL

WELL NAME: Holmes #1

LOCATION : 30-34s-30w Meade co KS

TICKET No. 12591 D.S.T. No. 2 DATE 6-9-00

TOTAL TOOL TO BOTTOM OF TOP PACKERS 27

INTERVAL TOOL

BOTTOM PACKERS AND ANCHOR 23

TOTAL TOOL 50

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.Stands6 Single Total 353

D.P. ABOVE TOOLS.Stands Single Total 4082

TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 4485

TOTAL DEPTH 4460

TOTAL DRILL PIPE ABOVE K.B. 25

REMARKS:

RW .11 at 75 Deg.

75000 chlorides

P.O. SUB top of tool	4410
C.O. SUB 1' DP	4411
S.I. TOOL 5'	4416
HMV 5'	4421
JARS 5'	4426
SAFETY JOINT 2'	4428
PACKER 5'	4433
PACKER 5' shale packer	4437
DEPTH 4437	
1'	4438
ANCHOR	
2' perf	4440
Alpine Rec.	4445
5' PU sub	4445
10' perf	4455
AK1 Rec.	4460
BULLNOSE	
T.D. 5'	4460

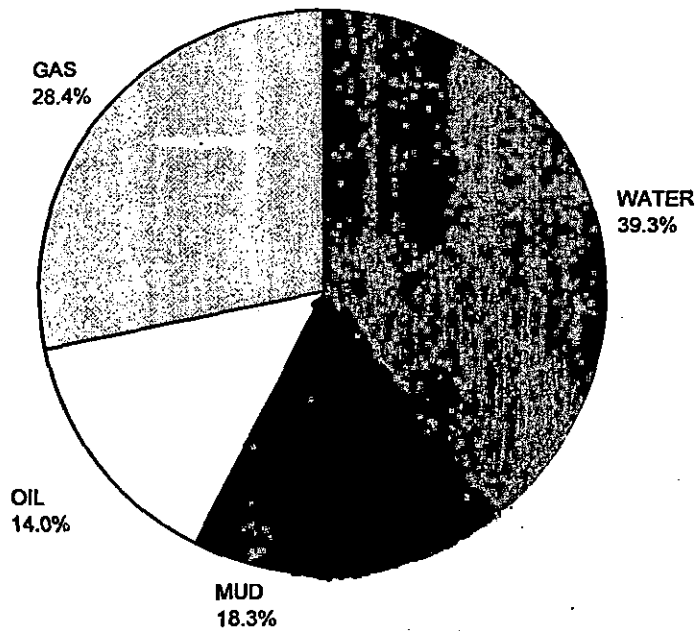
CALCULATED RECOVERY ANALYSIS

DST 2

TICKET 12591

SAMPLE #	TOTAL FEET	GAS		OIL		WATER		MUD		
		%	FEET	%	FEET	%	FEET	%	FEET	
DRILL	1	10	10	1	50	5	0	0	40	4
PIPE	2	57	50	28.5	20	11.4	5	0	25	14.25
	3	0	0	0	0	0	0	0	0	0
	4	0	0	0	0	0	0	0	0	0
	5	0	0	0	0	0	0	0	0	0
	6	0	0	0	0	0	0	0	0	0
WEIGHT	1	0	0	0	0	0	0	0	0	0
PIPE	2	0	0	0	0	0	0	0	0	0
	3	0	0	0	0	0	0	0	0	0
	4	0	0	0	0	0	0	0	0	0
	5	0	0	0	0	0	0	0	0	0
DRILL	1	123	50	61.5	20	24.6	5	6.15	25	30.75
COLLARS	2	60	10	6	5	3	60	36	25	15
	3	170	0	0	0	0	100	170	0	0
	4	0	0	0	0	0	0	0	0	0
	5	0	0	0	0	0	0	0	0	0
TOTAL		420	0	97	0	44	0	212.15	0	64

BBL OIL= 0.368172 * HRS OPEN 1.5 = BBL/DAY 5.890752
 BBL WATER= 1.0374135 * = 16.598616
 BBL MUD= 0.4832325
 BBL GAS = 0.749565



*** TOOL DIAGRAM *** CONVENTIONAL

WELL NAME: Holmes #1

LOCATION : 30-34s-30w Meade co KS

TICKET No. 12590 D.S.T. No. 1 DATE 6-8-00

TOTAL TOOL TO BOTTOM OF TOP PACKERS 27

INTERVAL TOOL

BOTTOM PACKERS AND ANCHOR 52

TOTAL TOOL 79

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.Stands6 Single Total 358

D.P. ABOVE TOOLS.Stands62 Single 1 Total 3918

TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 4355

TOTAL DEPTH 4330

TOTAL DRILL PIPE ABOVE K.B. 25

REMARKS:

W .15 at 80 deg.

14000 chlorides

P.O. SUB top of tool	4251
C.O. SUB 1' DP	4252
S.I. TOOL 5'	4257
HMV 5'	4262
JARS 5'	4267
SAFETY JOINT 2'	4269
PACKER 5'	4274
PACKER 5' Shale Packer	4278
DEPTH 4278	
1'	4279
ANCHOR	
1' perf	4280
Alpine Rec.	4285
5' Pu sub	4285
8' perf	4293
1' c/o su	4294
30' Dpipe	4324
1' c/o su	4325
Ak1 Rec	4330
BULLNOSE	
T.D. 5'	4330

NATURAL GAS ANALYSIS REPORT

Sampled by:
 Trilobite Testing, L. L. C.
 Hays, Kansas
 Scott City, Kansas
 Phone: 800-728-5369
 Fax: 913-625-5620

Analyzed by:
 Caraway Analytical, Inc
 P. O. Box 2137
 Liberal, Kansas 67905
 Phone: 316-624-5389
 Fax: 316-626-7108

Lab Number:	20003308	Analyzed:	06/12/00
Sample From:	Holmes #1 DST 1	Pressure:	
Producer:	Raydon Exploration	Temperature:	
Date:		Location:	30-34-30
Time:		County:	Meade
Sampler:		State:	Kansas
Source:		Formation:	Toronto

	Mole %	GPM
Helium	He: 0.346	0.000
Hydrogen	H2: 0.000	0.000
Oxygen	O2: 0.000	0.000
Nitrogen	N2: 18.504	0.000
Carbon Dioxide	CO2: 0.134	0.000
Methane	C1: 65.924	0.000
Ethane	C2: 5.818	1.556
Propane	C3: 4.847	1.336
Iso Butane	iC4: 0.697	0.228
Normal Butane	nC4: 1.784	0.562
Iso Pentane	iC5: 0.452	0.165
Normal Pentane	nC5: 0.533	0.193
Hexanes Plus	C6+: 0.961	0.419
	TOTAL: 100.000	4.460
	Z Fact: 0.9972	
	SP.GR.: 0.7886	
	BTU (SAT): 1047.3 @ 14.73 psia	
	BTU (DRY): 1065.8 @ 14.73 psia	
	OCTANE RATING: 99.5	

COMMENTS:

0.000

TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Test Ticket

N^o 12590

Well Name & No. <u>Holmes #1</u>	Test No. <u>#1</u>	Date <u>6-8-00</u>
Company <u>Randon Exploration</u>	Zone Tested <u>Toronto</u>	
Address <u>9400 N. Blissy Ste. 400 OKla. City OK, 73114</u>	Elevation _____	KB _____ GL _____
Co. Rep / Geo. <u>Ed Groves</u>	Cont. <u>Brq A Rig 1</u>	Est. Ft. of Pay _____ Por. _____ %
Location: Sec. <u>30</u>	Twp. <u>34S</u>	Rge. <u>34W</u> Co. <u>Meade</u> State <u>Ks.</u>
No. of Copies _____	Distribution Sheet (Y, N) _____	Turnkey (Y, N) _____ Evaluation (Y, N) _____

Interval Tested <u>4278-4330</u>	Initial Str Wt./Lbs. <u>76,000</u>	Unseated Str Wt./Lbs. <u>78,000</u>
Anchor Length <u>52</u>	Wt. Set Lbs. <u>30,000</u>	Wt. Pulled Loose/Lbs. <u>98,000</u>
Top Packer Depth <u>4273</u>	Tool Weight <u>1800</u>	
Bottom Packer Depth <u>4278</u>	Hole Size — <u>7 7/8"</u> <input checked="" type="checkbox"/>	Rubber Size — <u>6 3/4"</u> <input checked="" type="checkbox"/>
Total Depth <u>4330</u>	Wt. Pipe Run _____	Drill Collar Run <u>353</u> ^{6 sides}
Mud Wt. <u>9.0</u> LCM <u>4</u> Vis. <u>37</u> WL <u>12</u>	Drill Pipe Size <u>4 1/2 XH</u>	Ft. Run <u>3978</u> ^{12 1/2}
Blow Description <u>1st open strong blow B.D.B. in 30 sec. GTS in 4 min.</u>		
<u>Bled 2" no blow back</u>		
<u>2nd open B.D.B. as soon as tool opened</u>		
<u>Bled 2" no blow back</u>		

Recovery — Total Feet <u>500</u>	GIP <u>GTS</u>	Ft. in DC <u>353</u>	Ft. in DP <u>147</u>
Rec. <u>180</u>	Feet Of <u>Gas cut mud</u>	<u>10</u> %gas	%oil _____ %water <u>90</u> %mud _____
Rec. <u>240</u>	Feet Of <u>Gassy oil cut watery mud</u>	<u>20</u> %gas	<u>5</u> %oil <u>45</u> %water <u>30</u> %mud
Rec. <u>50</u>	Feet Of <u>oil cut muddy water</u>	%gas _____	<u>5</u> %oil <u>75</u> %water <u>20</u> %mud
Rec. _____	Feet Of _____	%gas _____	%oil _____ %water _____ %mud _____
Rec. _____	Feet Of _____	%gas _____	%oil _____ %water _____ %mud _____

BHT 115 °F Gravity _____ °API D@ _____ °F Corrected Gravity _____ °API
 RW .15 @ 80 °F Chlorides 44,000 ppm Recovery Chlorides _____ ppm System

(A) Initial Hydrostatic Mud	AK-1 <u>2101</u>	Alping <u>2008</u>	PSI Recorder No. <u>3026</u>	T-On Location <u>9:00 A.M.</u>
(B) First Initial Flow Pressure	<u>194</u>	<u>130</u>	PSI (depth) <u>4285</u>	T-Started <u>10:30 A.M.</u>
(C) First Final Flow Pressure	<u>162</u>	<u>103</u>	PSI Recorder No. <u>13277</u>	T-Open <u>12:35 P.M.</u>
(D) Initial Shut-In Pressure	<u>681</u>	<u>609</u>	PSI (depth) <u>4330</u>	T-Pulled <u>5:05 P.M.</u>
(E) Second Initial Flow Pressure	<u>194</u>	<u>115</u>	PSI Recorder No. _____	T-Out <u>7:30 P.M.</u>
(F) Second Final Flow Pressure	<u>216</u>	<u>170</u>	PSI (depth) _____	T-Off Location _____
(G) Final Shut-in Pressure	<u>722</u>	<u>688</u>	PSI Initial Opening <u>30</u>	Test <input checked="" type="checkbox"/> <u>700 cc</u>
(Q) Final Hydrostatic Mud	<u>2070</u>	<u>1993</u>	PSI Initial Shut-in <u>60</u>	Jars <input checked="" type="checkbox"/> <u>200 cc</u>
			Final Flow <u>60</u>	Safety Joint <input checked="" type="checkbox"/> <u>50 cc</u>
			Final Shut-in <u>120</u>	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 Ed Groves
 Our Representative Scott Bayler

Circ. Sub
 Sampler _____
 Extra Packer _____
 Elec. Rec. 150.00
 Mileage _____
 Other Shale packer 150.00
 TOTAL PRICE \$ 1250.00

TRILOBITE TESTING L.L.C.

OPERATOR : Raydon Exploration DATE 6-9-00
 WELL NAME: Holmes #1 KB 0.00 ft TICKET NO: 12591 DST #2
 LOCATION : 30-34s-30w Meade co KS GR 0.00 ft FORMATION: Lansing
 INTERVAL : 4437.00 To 4460.00 ft TD 4460.00 ft TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 30 Rec.	13277	13277	3026			PF Fr. 1440 to 1510 hr
SI 60 Range (Psi)	4125.0	4125.0	4995.0	0.0	0.0	IS Fr. 1510 to 1610 hr
SF 60 Clock (hrs)	18hr	18hr	elect			SF Fr. 1610 to 1710 hr
FS 120 Depth (ft)	4460.0	4460.0	4445.0	0.0	0.0	FS Fr. 1710 to 1910 hr

	Field	1	2	3	4	
A. Init Hydro	2132.0	2112.0	2079.0	0.0	0.0	T STARTED 1220 hr
B. First Flow	64.0	69.0	50.0	0.0	0.0	T ON BOTM 1439 hr
Bl. Final Flow	86.0	79.0	93.0	0.0	0.0	T OPEN 1440 hr
C. In Shut-in	1019.0	1026.0	1049.0	0.0	0.0	T PULLED 1910 hr
D. Init Flow	108.0	117.0	90.0	0.0	0.0	T OUT 2120 hr
E. Final Flow	172.0	165.0	171.0	0.0	0.0	
F. Fl Shut-in	1019.0	1026.0	1033.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	2018.0	2013.0	2059.0	0.0	0.0	Tool Wt. 1800.00 lbs
Inside/Outside	0	0	I			Wt Set On Packer 30000.00 lbs
						Wt Pulled Loose 120000.00 lbs
						Initial Str Wt 80000.00 lbs
						Unseated Str Wt 82000.00 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 353.00 ft
						D.P. Length 4082.00 ft

RECOVERY

Tot Fluid 420.00 ft of 353.00 ft in DC and 67.00 ft in DP
 10.00 ft of Gas cut muddy oil
 0.00 ft of 10% gas 50% oil 40% mud
 180.00 ft of Gassy oily watery mud
 0.00 ft of 50% gas 20% oil 5% water 25% mud
 50.00 ft of Gas & oil cut muddy water
 0.00 ft of 10% gas 5% oil 60% water 25% mud
 170.00 ft of Water
 0.00 ft of 100% water
 SALINITY 75000.00 P.P.M. A.P.I. Gravity 0.00

BLOW DESCRIPTION

Initial Flow:
 Strong blow bottom of bucket in 1 minute. Gradually died back to 10".
 Initial Shut-In:
 Bled 2" no blow back.
 Final Flow:
 Bottom of bucket in 1 minute. Strong gas to surface in 5 minutes. Gas will burn.
 Final Shut-In:
 Bled 2" blow back built to 10".

SAMPLES: yes
 SENT TO: Caraway Analytical

MUD DATA-----
 Mud Type Chemical
 Weight 8.90 lb/cf
 Vis. 46.00 S/L
 W.L. 8.40 in3
 F.C. 0.00 in
 Mud Drop
 Amt. of fill 0.00 ft
 Btm. H. Temp. 120.00 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. Ed Grieves
 Contr. Big A
 Rig # 1
 Unit #
 Pump T.

Test Successful: Y

NATURAL GAS ANALYSIS REPORT

Sampled by:
 Trilobite Testing, L. L. C.
 Hays, Kansas
 Scott City, Kansas
 Phone: 800-728-5369
 Fax: 913-625-5620

Analyzed by:
 Caraway Analytical, Inc
 P. O. Box 2137
 Liberal, Kansas 67905
 Phone: 316-624-5389
 Fax: 316-626-7108

Lab Number:	20003309	Analyzed:	06/12/00
Sample From:	Holmes #1 DST 2	Pressure:	
Producer:	Raydon Exploration	Temperature:	
Date:		Location:	30-34-30
Time:		County:	Meade
Sampler:		State:	Kansas
Source:		Formation:	Lansing

		Mole %	GPM
Helium	He:	0.051	0.000
Hydrogen	H2:	0.002	0.000
Oxygen	O2:	0.256	0.000
Nitrogen	N2:	8.110	0.000
Carbon Dioxide	CO2:	0.072	0.000
Methane	C1:	56.804	0.000
Ethane	C2:	10.593	2.833
Propane	C3:	13.396	3.691
Iso Butane	iC4:	1.976	0.646
Normal Butane	nC4:	4.911	1.548
Iso Pentane	iC5:	1.142	0.418
Normal Pentane	nC5:	1.186	0.430
Hexanes Plus	C6+:	1.501	0.655
TOTAL:		100.000	10.221
Z Fact:		0.9942	
SP.GR.:		0.9615	
BTU (SAT):		1478.9 @ 14.73 psia	
BTU (DRY):		1505.0 @ 14.73 psia	
OCTANE RATING:		106.1	

COMMENTS:

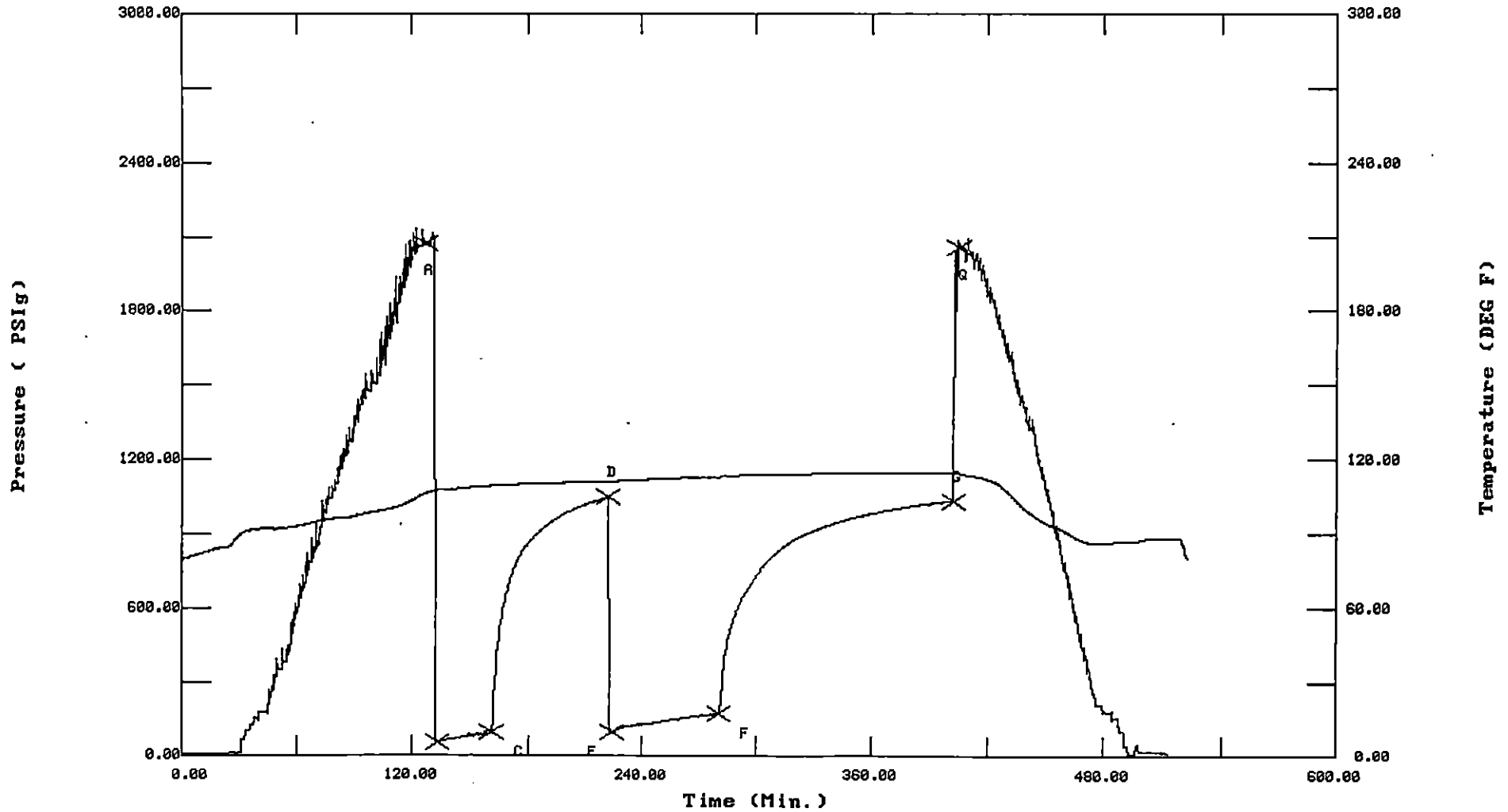
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TEST HISTORY

12591 DST#2 Holmes #1 Raydon Exploration

Flag Points

t (Min.)	P (PSig)
A:	0.00 2079.01
B:	0.00 50.41
C:	27.75 93.83
D:	61.00 1049.39
E:	0.00 90.81
F:	57.00 171.62
G:	121.00 1033.35
Q:	0.00 2059.20



TEST HISTORY

12590 DST#1 Holmes #1 Raydon Exploration

Flag Points
t(Min.) P(PSIg)

R:	0.00	2008.82
B:	0.00	130.70
C:	25.00	103.46
D:	60.00	669.94
E:	0.00	115.76
F:	50.75	170.06
G:	119.75	688.39
Q:	0.00	1993.76

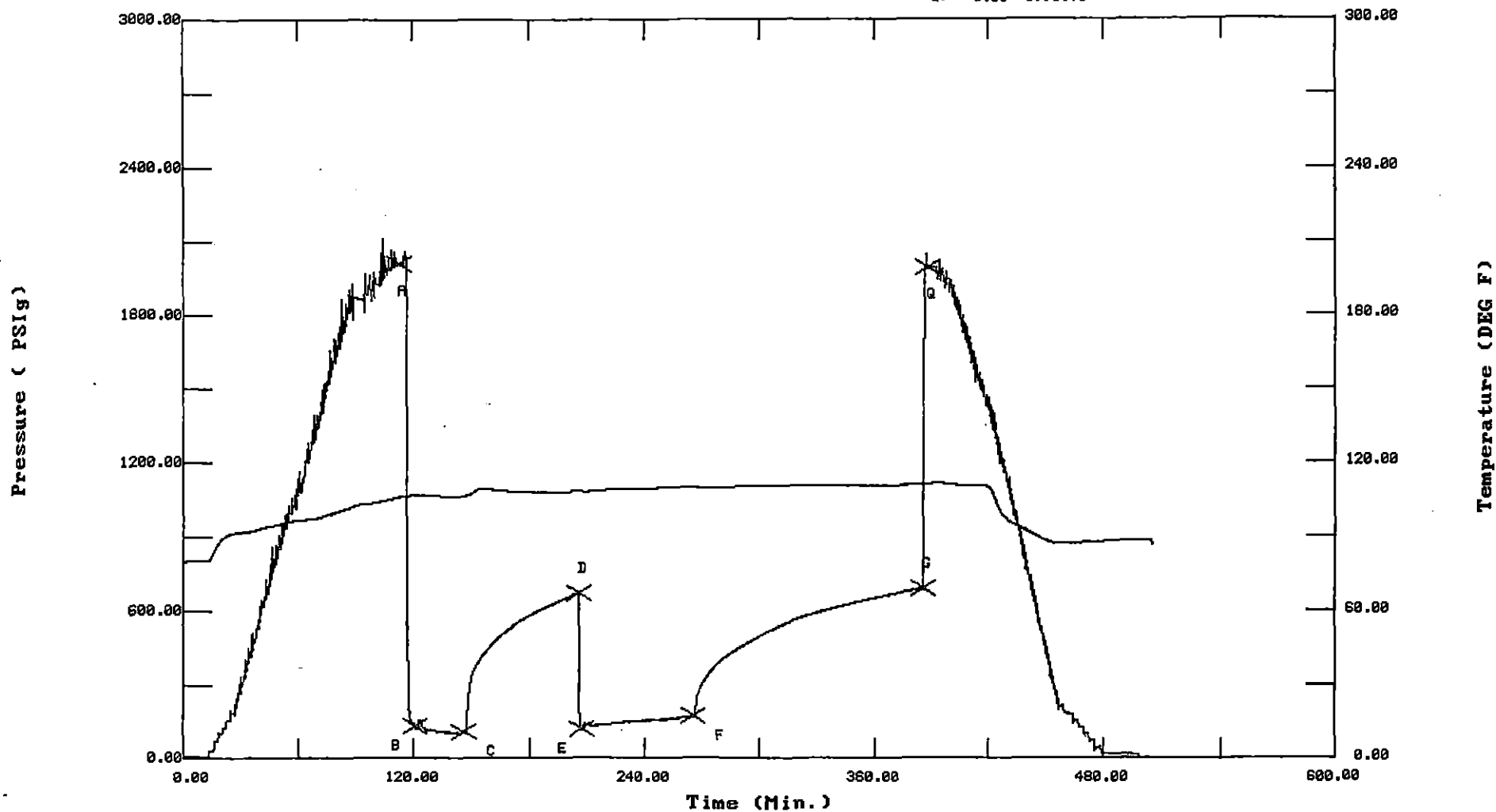
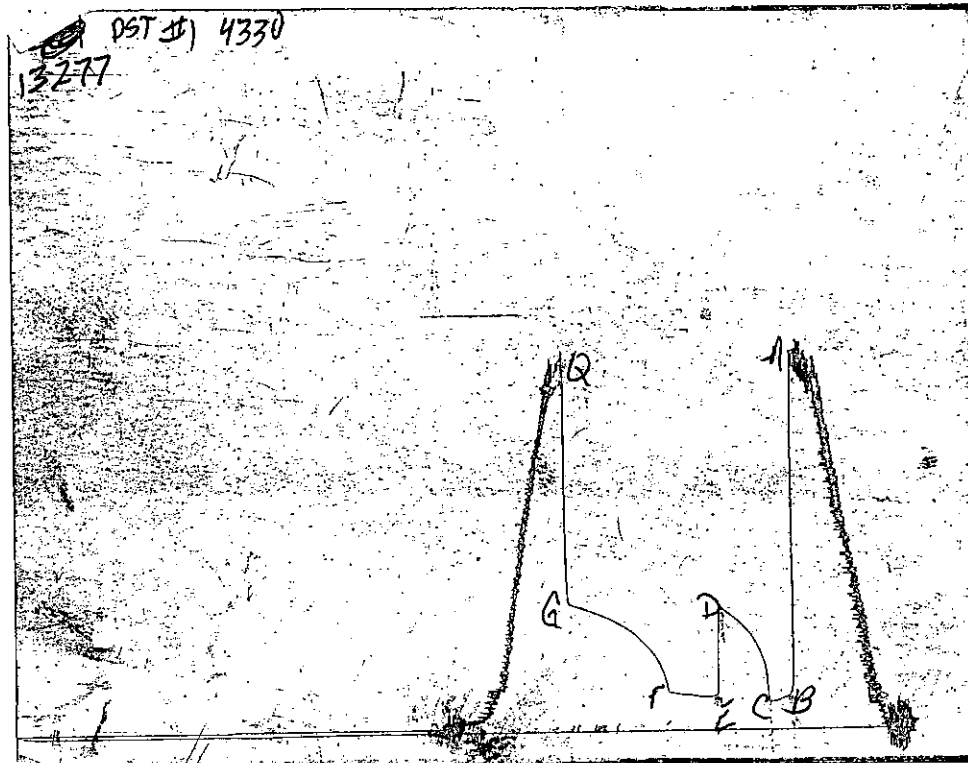
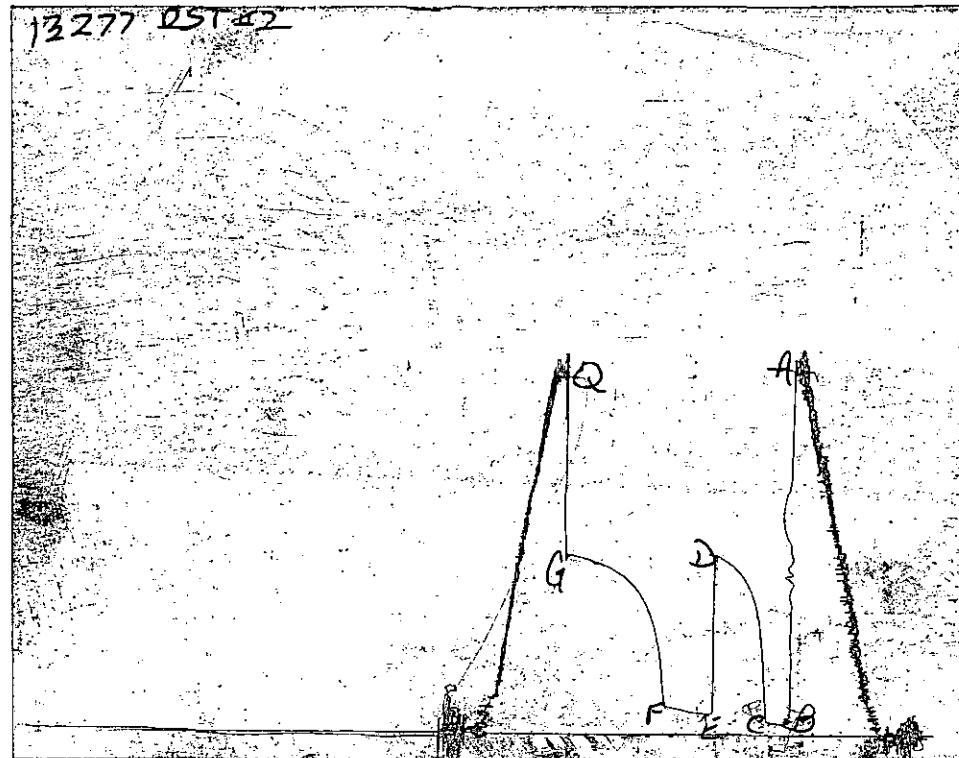


CHART PAGE



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

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

Test Ticket

No 12592

Well Name & No. <u>Holmes #1</u>		Test No. <u>3</u>	Date <u>6-11-60</u>
Company <u>Raydon Exploration</u>		Zone Tested <u>Upper Hodges</u>	
Address <u>OKla City OK. 73114</u>		Elevation	KB _____ GL _____
Co. Rep / Geo. <u>Ed Groeves</u>	Cont. <u>Brq A. 1</u>	Est. Ft. of Pay _____	Por. _____ %
Location: Sec. <u>30</u>	Twp. <u>34S</u>	Rge. <u>30W</u>	Co. <u>Meade</u> State <u>Ks.</u>
No. of Copies _____	Distribution Sheet (Y, N) _____	Turnkey (Y, N) _____	Evaluation (Y, N) _____

Interval Tested <u>4915 - 4960</u>	Initial Str Wt./Lbs. <u>86,000</u>	Unseated Str Wt./Lbs. <u>86,000</u>
Anchor Length <u>45'</u>	Wt. Set Lbs. <u>30,000</u>	Wt. Pulled Loose/Lbs. <u>110,000</u>
Top Packer Depth <u>4910</u>	Tool Weight <u>1800</u>	
Bottom Packer Depth <u>4915</u>	Hole Size — <u>7 7/8" ✓</u>	Rubber Size — <u>6 3/4" ✓</u>
Total Depth <u>4960</u>	Wt. Pipe Run _____	Drill Collar Run <u>353</u> ^{6" dia}
Mud Wt. <u>8.9</u> LCM <u>3</u> Vis. <u>42</u> WL <u>8</u>	Drill Pipe Size <u>4 1/2 XH</u>	Ft. Run <u>4547</u> ^{73 FT}
Blow Description <u>1st open weak blow built to 4 1/2"</u> <u>Bled 2" no blow back</u> <u>2nd open weak blow built to 2"</u> <u>No blow back</u>		

Recovery — Total Feet <u>440</u>	GIP _____	Ft. in DC <u>353</u>	Ft. in DP <u>87</u>
Rec. <u>90</u>	Feet Of <u>mud</u>	%gas _____ %oil _____	%water <u>100</u> %mud _____
Rec. <u>240</u>	Feet Of <u>muddy water</u>	%gas _____ %oil _____	%water <u>70</u> %mud <u>30</u>
Rec. <u>110</u>	Feet Of <u>water</u>	%gas _____ %oil _____	%water <u>100</u> %mud _____
Rec. _____	Feet Of _____	%gas _____ %oil _____	%water _____ %mud _____
Rec. _____	Feet Of _____	%gas _____ %oil _____	%water _____ %mud _____

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

RW 10 @ 24 °F Chlorides 75,000 ppm Recovery Chlorides 3/00 ppm System

(A) Initial Hydrostatic Mud	AK-1 <u>2391</u>	Alpine <u>2315</u>	PSI Recorder No. <u>3026</u>	T-On Location <u>9:15 AM.</u>
(B) First Initial Flow Pressure	<u>86</u>	<u>26</u>	PSI (depth) <u>4925</u>	T-Started <u>10:20 AM.</u>
(C) First Final Flow Pressure	<u>140</u>	<u>127</u>	PSI Recorder No. <u>13277</u>	T-Open <u>12:12 PM</u>
(D) Initial Shut-In Pressure	<u>1582</u>	<u>1561</u>	PSI (depth) <u>4960</u>	T-Pulled <u>4:42 PM</u>
(E) Second Initial Flow Pressure	<u>194</u>	<u>133</u>	PSI Recorder No. _____	T-Out <u>7:20 P.M.</u>
(F) Second Final Flow Pressure	210 <u>210</u>	<u>234</u>	PSI (depth) _____	T-Off Location _____
(G) Final Shut-in Pressure	<u>1582</u>	<u>1561</u>	PSI Initial Opening _____	Test <input checked="" type="checkbox"/> <u>700"</u>
(Q) Final Hydrostatic Mud	<u>2194</u>	<u>2236</u>	PSI Initial Shut-in _____	Jars <input checked="" type="checkbox"/> <u>200"</u>
			Final Flow _____	Safety Joint <input checked="" type="checkbox"/> <u>50"</u>
			Final Shut-in _____	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 Ed Groeves

Our Representative Scott Bugbee

Circ. Sub 17/C

Sampler _____

Extra Packer _____

Elec. Rec. 150"

Mileage _____

Other shale packer 150"

TOTAL PRICE \$ 1250"

CONFIDENTIAL **JOB SUMMARY** ORDER NO. 70006 **686037** **6-16-00**

REGION: North America **USA** BDA / STATE: **KS.** COUNTY: **Moore.**

MBU ID / EMP #: **INCL 0103 106304** EMPLOYEE NAME: **Tyler Davis.** PSL DEPARTMENT: **ZI**

LOCATION: **Liberal KS.** COMPANY: **Raydon Exp.** CUSTOMER REP / PHONE: **Gilbert**

TICKET AMOUNT: _____ WELL TYPE: **01** API / UWI #: _____

WELL LOCATION: **Lang S. Plains.** DEPARTMENT: **ZI** JOB PURPOSE CODE: **115**

LEASE / WELL #: **Holmes #1** SEC / TWP / RNG: **30-34-30**

HES EMP NAME/EMP#(EXPOSURE HOURS) HRS	HES EMP NAME/EMP#(EXPOSURE HOURS) HRS	HES EMP NAME/EMP#(EXPOSURE HOURS) HRS	HES EMP NAME/EMP#(EXPOSURE HOURS) HRS
T. Davis. 106304 3A			
Siemel 106099 			
R. Ballinger 106944 			

HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES
54218-78202	20						
52938-75821	20						

RELEASED

AUG 10 2001
FROM CONFIDENTIAL

Form Name _____ Type: _____
 Form Thickness _____ From _____ To _____
 Packer Type _____ Set At _____
 Bottom Hole Temp. _____ Pressure _____
 Misc. Data _____ Total Depth _____

DATE	CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
6-16-00	1400	1630	1730	1930

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY	MAKE
Float Collar		
Float Shoe		
Guide Shoe		
Centralizers		
Bottom Plug		
Top Plug		
Head		
Packer		
Other		

WELL DATA

NEW/USED	WEIGHT	SIZE	FROM	TO	MAX ALLOW
Casing					
Liner					
Liner					
Tbg/D.P.	U	16.6	4 1/2	65	1620
Tbg/D.P.					
Open Hole					SHOTS/FT.
Perforations					
Perforations					
Perforations					

MATERIALS

Treat Fluid	Density	Lb/Gal
Disp. Fluid	Density	Lb/Gal
Prop. Type	Size	Lb.
Prop. Type	Size	Lb.
Acid Type	Gal.	%
Acid Type	Gal.	%
Surfactant	Gal.	In
NE Agent	Gal.	In
Fluid Loss	Gal/Lb	In
Gelling Agent	Gal/Lb	In
Fric. Red.	Gal/Lb	In
Breaker	Gal/Lb	In
Blocking Agent	Gal/Lb	In
Perfpac Balls	Qty.	
Other		
Other		
Other		
Other		

HOURS ON LOCATION		OPERATING HOURS		DESCRIPTION OF JOB
DATE	HOURS	DATE	HOURS	
				PT 1A
TOTAL		TOTAL		

HYDRAULIC HORSEPOWER

ORDERED _____ Avail. _____ Used _____

AVERAGE RATES IN BPM

TREATED _____ Disp. _____ Overall _____

CEMENT LEFT IN PIPE

FEET _____ Reason _____

CEMENT DATA

STAGE	SACKS	CEMENT	BULK/SKS	ADDITIVES	YIELD	LBS/GAL
1	125	60/40 MP 52	15	6% GP1	1.64	13.2

Circulating _____ Displacement _____ Preflush: Gal - BBI _____ Type _____
 Breakdown _____ Maximum _____ Load & Bkdn: Gal - BBI _____ Pad: BBI - Gal _____
 Average _____ Frac Gradient _____ Treatment Gal - BBI _____ Disp: BBI - Gal **20**
 Shut In: Instant _____ 5 Min _____ 15 Min _____ Cement Slurr Gal **BBI 36.5**
 Total Volume Gal - BBI _____

Frac Ring #1 _____ Frac Ring #2 _____ Frac Ring #3 _____ Frac Ring #4 _____

THE INFORMATION STATED HEREIN IS CORRECT CUSTOMER'S REPRESENTATIVE SIGNATURE **Andrew D. ...**

CONFIDENTIAL

REGION: North America | STATE/COUNTRY: *MO CO* | BDA / STATE: *KANSAS* | COUNTY: *MEADE*

MBU ID / EMP #: *106270* | EMPLOYEE NAME: *ROBERT ELWOOD* | PSL DEPARTMENT: *ZE ORIGINAL*

LOCATION: *CENTRAL KANSAS* | COMPANY: *ROYDON* | CUSTOMER REP / PHONE: *KEITH HELL 316-624-0156*

TICKET AMOUNT: *11,522.55* | WELL TYPE: *01* | APT / UWI #:

WELL LOCATION: *MEADE LAKE RD.* | DEPARTMENT: *ZE* | JOB PURPOSE CODE: *010*

LEASE / WELL #: *HOLMES #1* | SEC / TWP / RNG: *30 34S 30 W.*

HES EMP NAME/EMP#/(EXPOSURE HOURS) HRS	HES EMP NAME/EMP#/(EXPOSURE HOURS) HRS	HES EMP NAME/EMP#/(EXPOSURE HOURS) HRS	HES EMP NAME/EMP#/(EXPOSURE HOURS) HRS
<i>R. Elwood 106270 7.5</i>			
<i>A. Zimmerman 202876 7.5</i>			
<i>R. Mauseh 204458 7.5</i>			
<i>R. EARLS 191251 7.5</i>			

RELEASED

HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES
<i>420621 P.U.</i>	<i>20</i>						
<i>54219-78299</i>	<i>20</i>						
<i>52938-4612</i>	<i>20</i>						
<i>52920-75821</i>	<i>20</i>						

Form Name _____ Type: _____
 Form Thickness _____ From _____ To _____
 Packer Type _____ Set At _____
 Bottom Hole Temp. _____ Pressure _____
 Misc. Data _____ Total Depth _____

DATE	CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
	<i>6-3-2000</i>	<i>6-3-2000</i>	<i>6-3-2000</i>	<i>6-3-2000</i>
TIME	<i>13:30</i>	<i>16:30</i>	<i>20:38</i>	<i>22:15</i>

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY	MAKE
<i>Float Collar Taper w/Flt</i>	<i>1</i>	<i>Howco</i>
<i>Float Shoe</i>		
<i>Guide Shoe Reg</i>	<i>1</i>	
<i>Centralizers S-4</i>	<i>4</i>	
<i>Bottom Plug</i>		
<i>Top Plug S WELPER</i>	<i>1</i>	
<i>Head MANIFOLD</i>	<i>1</i>	
<i>Packer WELD-A</i>	<i>1</i>	
<i>Other Limit Chp</i>	<i>1</i>	

WELL DATA

	NEW/USED	WEIGHT	SIZE	FROM	TO	MAX ALLOW
<i>Casing</i>	<i>N</i>	<i>24</i>	<i>8 5/8</i>	<i>RB</i>	<i>1659</i>	
<i>Liner</i>						
<i>Liner</i>						
<i>Tbg/D.P.</i>						
<i>Tbg/D.P.</i>						
<i>Open Hole</i>			<i>12 1/4</i>	<i>6.6</i>	<i>1659</i>	<i>SHOTS/FT.</i>
<i>Perforations</i>						
<i>Perforations</i>						
<i>Perforations</i>						

MATERIALS

Treat Fluid	Density	Lb/Gal
<i>Disp. Fluid</i>	<i>Density</i>	<i>Lb/Gal</i>
<i>Prop. Type</i>	<i>Size</i>	<i>Lb.</i>
<i>Prop. Type</i>	<i>Size</i>	<i>Lb.</i>
<i>Acid Type</i>	<i>Gal.</i>	<i>%</i>
<i>Acid Type</i>	<i>Gal.</i>	<i>%</i>
<i>Surfactant</i>	<i>Gal.</i>	<i>In</i>
<i>NE Agent</i>	<i>Gal.</i>	<i>In</i>
<i>Fluid Loss</i>	<i>Gal/Lb</i>	<i>In</i>
<i>Gelling Agent</i>	<i>Gal/Lb</i>	<i>In</i>
<i>Fric. Red.</i>	<i>Gal/Lb</i>	<i>In</i>
<i>Breaker</i>	<i>Gal/Lb</i>	<i>In</i>
<i>Blocking Agent</i>	<i>Gal/Lb</i>	
<i>Perfpac Balls</i>	<i>Qty.</i>	
<i>Other</i>		
<i>Other</i>		
<i>Other</i>		
<i>Other</i>		

HOURS ON LOCATION		OPERATING HOURS		DESCRIPTION OF JOB
DATE	HOURS	DATE	HOURS	
				<i>8 5/8 SURFACE</i>
TOTAL		TOTAL		

HYDRAULIC HORSEPOWER
 ORDERED Avail. Used
AVERAGE RATES IN BPM
 TREATED Disp. Overall
CEMENT LEFT IN PIPE
 FEET *43* Reason *SHOE JOINT*

CEMENT DATA

STAGE	SACKS	CEMENT	BULK/SKS	ADDITIVES	YIELD	LBS/GAL
<i>550</i>	<i>MEADOW C</i>	<i>B</i>	<i>2% C.C.</i>	<i>1/4 # GR Floccle</i>	<i>3.17</i>	<i>11.1</i>
<i>150</i>	<i>Prep Plus</i>	<i>B</i>	<i>2% C.C.</i>	<i>1/4 # GR Floccle</i>	<i>1.34</i>	<i>14.8</i>

Circulating _____ Displacement _____ Preflush: Gal - BBI _____ Type _____
 Breakdown _____ Maximum _____ Load & Bkdn: Gal - BBI _____ Pad: BBI - Gal _____
 Average _____ Frac Gradient _____ Treatment Gal - BBI _____ Disp: BBI - Gal *104*
 Shut In: Instant _____ 5 Min _____ 15 Min _____ Cement Slurr Gal - BBI *316 + 36*
 Total Volume Gal - BBI _____

Frac Ring #1 _____ Frac Ring #2 _____ Frac Ring #3 _____ Frac Ring #4 _____

THE INFORMATION STATED HEREIN IS CORRECT

CUSTOMER'S REPRESENTATIVE SIGNATURE _____