

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

Operator: License # 4419

Name: Bear Petroleum, Inc.

Address Box 438

Haysville, KS 67060

City/State/Zip Haysville, KS 67060

Purchaser: NA

Operator Contact Person: Dick Schremmer

Phone ( 316 ) 524-1225

Contractor: Name: White & Ellis Drilling, Inc.

License: 5420

Wellsite Geologist: Terry McLeod

Designate Type of Completion

New Well  Re-Entry  Workover

Oil  SWD  SLOW  Temp. Abd.

Gas  ENHR  SIGW

Dry  Other (Core, MSW, 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  PBTB

Commingled  Docket No. \_\_\_\_\_

Dual Completion  Docket No. \_\_\_\_\_

Other (SWD or Inj?)  Docket No. \_\_\_\_\_

1-29-98 2-7-98 D & A

Spud Date 1-29-98 Date Reached TD 2-7-98 Completion Date D & A

API NO. 15- 095-217420000

County Kingman plugged 2/7/98

C - F/2 - SE - NW Sec. 19 Twp. 30 Rge. 6 X <sup>E</sup> <sub>W</sub>

3300 Feet from (S)N (circle one) Line of Section

2970 Feet from (E)W (circle one) Line of Section

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

Lease Name Wild Cherry Well # 1

Field Name Reida

Producing Formation Mississippi

Elevation: Ground 1457 KB 1462

Total Depth 4131 PBTB 4131

Amount of Surface Pipe Set and Cemented at 268 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 DHA 6-1-98 UC  
(Data must be collected from the Reserve Pit)

Chloride content 25 ppm Fluid volume 400 bbls

Dewatering method used trucked

Location of fluid disposal if hauled offsite: \_\_\_\_\_

Operator Name Bear Petroleum, Inc.

Lessee Name Graber License No. 4419

NW/4 Quarter Sec. 4 Twp. 27 S Rng. 6 EW

County Kingman Docket No. D-983-10C022,284

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 [Signature]

Title President Date 3-18-98

Subscribed and sworn to before me this 18th day of March, 1998.

Notary Public [Signature]

Debra K. Hill-Johnson

Date Commission Expires April 15, 1999

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

SIDE TWO

ORIGINAL

Operator Name Bear Petroleum, Inc.

Lease Name Wild Cherry

Well # 1

Sec. 19 Twp. 30 Rge. 6

East

County Kingman

West

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.

Drill Stem Tests Taken (Attach Additional Sheets.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datums <input type="checkbox"/> Sample <table border="1"> <thead> <tr> <th>Name</th> <th>Top</th> <th>Datum</th> </tr> </thead> <tbody> <tr> <td>Heehner Shale</td> <td>3070</td> <td>-1608</td> </tr> <tr> <td>Lansing</td> <td>3317</td> <td>-1858</td> </tr> <tr> <td>Kansas City</td> <td>3580</td> <td>-2118</td> </tr> <tr> <td>Base Kansas City</td> <td>3831</td> <td>-2377</td> </tr> <tr> <td>Cherokee Shale</td> <td>3990</td> <td>-2528</td> </tr> <tr> <td>Mississippi</td> <td>4131</td> <td>-2669</td> </tr> </tbody> </table>	Name	Top	Datum	Heehner Shale	3070	-1608	Lansing	3317	-1858	Kansas City	3580	-2118	Base Kansas City	3831	-2377	Cherokee Shale	3990	-2528	Mississippi	4131	-2669
Name	Top		Datum																				
Heehner Shale	3070		-1608																				
Lansing	3317		-1858																				
Kansas City	3580		-2118																				
Base Kansas City	3831	-2377																					
Cherokee Shale	3990	-2528																					
Mississippi	4131	-2669																					
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No																						
Cores Taken	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No																						
Electric Log Run (Submit Copy.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No																						
List All E.Logs Run:																							

ELI - Dual Induction Log  
compensated Neutron Density Log

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		8 5/8"	20	268	60/40 poz	225	8 sax cc 4 sax gel

ADDITIONAL CEMENTING/SQUEEZE RECORD					
Purpose:	Depth		Type of Cement	#Sacks Used	Type and Percent Additives
	Top	Bottom			
<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 Inj.		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	Dil	Bbls.	Gas	Mcf	Water	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.  Conningled  Other (Specify) \_\_\_\_\_

Production Interval: \_\_\_\_\_

**SERVICE TICKET**

**UNITED CEMENTING & ACID CO., INC.**

**№ 4060**

BOX 712

EL DORADO, KANSAS 67042

PHONE AC 316-321-4680

DATE 1-30-98 ORIGINAL COUNTY Wagoner

CHG. TO: Beav Pit ADDRESS \_\_\_\_\_

CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

LEASE & WELL NO. Wild Cherry #1 SEC. \_\_\_\_\_ TWP. \_\_\_\_\_ RNG. \_\_\_\_\_

CONTRACTOR \_\_\_\_\_ TIME ON LOCATION 1-29-98 10:30 AM

KIND OF JOB Surface Pipe

SERVICE CHARGE: \_\_\_\_\_ 400.00

QUANTITY	MATERIAL USED	TYPE		
225	50# 60-40	Portland	@ 4.45	1001.25 X
8	50#	Chloride	@ 25.00	200.00 X
4	50#	Set	@ 8.50	34.00 X
<del>7</del>	<del>8 7/8 Plug</del>			
233	BULK CHARGE	50#	@ .85	198.05 X
	BULK TRK. MILES	<u>8.0 miles (1.50 tons x 63 x 45 miles)</u>		326.03 X
	PUMP TRK. MILES			
1	PLUGS	8 7/8 tp wooden Plug	@	39.00 X
	SALES TAX			106.10
	TOTAL			<u>2,304.43</u>

T.D. \_\_\_\_\_ CSG. SET AT 268 VOLUME \_\_\_\_\_

SIZE HOLE \_\_\_\_\_ TBG SET AT \_\_\_\_\_ VOLUME \_\_\_\_\_

MAX. PRESS. \_\_\_\_\_ SIZE PIPE \_\_\_\_\_

PLUG DEPTH 269 PKER DEPTH \_\_\_\_\_

PLUG USED \_\_\_\_\_ TIME FINISHED 2:30 A.M.

REMARKS: Cement 8 7/8 set at 268 to surface ✓

225 50# 60/40 2% well 4% Calicam

**EQUIPMENT USED**

NAME Chat UNIT NO. \_\_\_\_\_ NAME \_\_\_\_\_ UNIT NO. \_\_\_\_\_

Haydon \_\_\_\_\_ Mar 20 1998 \_\_\_\_\_

Ron Pitt \_\_\_\_\_

CEMENTER OR TREATER

OWNER'S REP.

## GENERAL TERMS AND CONDITIONS

All prices are exclusive of any Federal, State or Special Taxes for the sale or use of merchandise or service listed. The amount of taxes required to be paid by the seller shall be added to the quoted prices payable by the buyer.

Unless satisfactory credit has been established, cash payment will be required in advance.

We will make reasonable attempt to get to and from the well under our own power. Should we be unable to do so because of poor or inadequate road conditions, and it becomes necessary to employ a tractor or other pulling equipment, such equipment will be supplied by the customer, or if furnished by us, the cost will be charged to the customer.

We endeavor to design and maintain our equipment to safely service properly drilled and conditioned wells. We carry public liability and property damage insurance, but as there are so many uncertain and unknown conditions not subject to control, we can neither be liable for injuries to property or persons nor for loss or damage arising from the performance of our services or resulting therefrom.

In the event equipment or tools are lost in rendering our services, the customer agrees to make reasonable attempt to recover same. If not recovered, customer agrees to reimburse us for their value.

If a material service is ordered and the customer cancels same after the solution has been prepared, a charge will be made to the customer for the expenses incurred.

Unless otherwise specified, a dead haul charge of \$1.25 per mile, one way, will be made for each service unit ordered but not used.

All prices are subject to change without notice.

All unpaid bills are subject to interest after 60 days from date of invoice.

SERVICE TICKET

N<sup>o</sup> 5949

UNITED CEMENTING & ACID CO., INC.

ORIGINAL

BOX 712

EL DORADO, KANSAS 67042

PHONE AC 316-321-4680

DATE 2-7-98 COUNTY KANSAS  
 CHG. TO: BEAR PETROLEUM INC. ADDRESS \_\_\_\_\_  
 CITY \_\_\_\_\_ STATE KS. ZIP \_\_\_\_\_  
 LEASE & WELL NO: WELL CHERRY #7 SEC. \_\_\_\_\_ TWP. \_\_\_\_\_ RNG. \_\_\_\_\_  
 CONTRACTOR WHITE HILLS DRILLING TIME ON LOCATION 3:30 AM  
 KIND OF JOB Rotary Plug  
 SERVICE CHARGE: \_\_\_\_\_ NW 572.00

QUANTITY*	MATERIAL USED	TYPE		
190	60/40 po2	@	4.45	845.50
8	Gal	@	8.50	68.00
198	BULK CHARGE <u>Sol</u>	@	1.45	283.50
79 Eldorado	BULK TRK. MILES		10 tons x .63 x 45 <del>1/3</del>	168.30
	PUMP TRK. MILES			
	PLUGS <u>None</u>			
	SALES TAX			110.76
	TOTAL			1,988.06

T.D. 4000 CSG. SET AT \_\_\_\_\_ VOLUME \_\_\_\_\_  
 SIZE HOLE 7 7/8 TBG SET AT \_\_\_\_\_ VOLUME \_\_\_\_\_  
 MAX. PRESS. \_\_\_\_\_ SIZE PIPE 4 1/2 DRILL PIPE  
 PLUG DEPTH \_\_\_\_\_ PKER DEPTH \_\_\_\_\_  
 PLUG USED \_\_\_\_\_ TIME FINISHED 1:00 P.M.

REMARKS: Rig BROKE CIRCULATION, MIXED AND PUMPED 35 SK 60/40 4% GEL. Rig Displaced 1 min. 45 sec. (HRRS) to 1200', PULLED PIPE TO 800' loaded, Hole MIXED AND PUMPED 35 SK 60/40 4% GEL AND DISPLACED (HRRS) to 800'. BROKE CIRCULATION, MIXED 90 SK 60/40 4% GEL AND CIRCULATED FROM 318' to SURFACE. PULLED PIPE AND TAPPED OFF WITH 10 SK. PLUGGED RAT HOLE WITH 20 SK 60/40 4% GEL.

EQUIPMENT USED ✓  
 NAME \_\_\_\_\_ UNIT NO. \_\_\_\_\_ NAME HERNDON UNIT NO. \_\_\_\_\_

CEMENTER OR TREATER \_\_\_\_\_ OWNER'S REP. \_\_\_\_\_  
 MAR 20 1998

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We will make reasonable attempt to get to and from the well under our own power. Should we be unable to do so because of poor or inadequate road conditions, and it becomes necessary to employ a tractor or other pulling equipment, such equipment will be supplied by the customer, or if furnished by us, the cost will be charged to the customer.

We endeavor to design and maintain our equipment to safely service properly drilled and conditioned wells. We carry public liability and property damage insurance, but as there are so many uncertain and unknown conditions not subject to control, we can neither be liable for injuries to property or persons nor for loss or damage arising from the performance of our services or resulting therefrom.

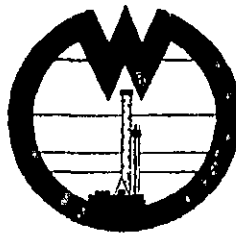
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MAR 20 1998

REGISTRATION DIVISION  
KANSAS

ORIGINAL

# WHITE

AND ELLIS DRILLING, Inc.

## DRILLERS LOG

Operator: Bear Petroleum, Inc.  
P. O. Box 438  
Haysville, KS 67060

Contractor: White & Ellis Drilling, Inc.  
P. O. Box 48848  
Wichita, KS 67201-8848

Lease Name Wild Cherry Well No. 1  
Spot SE SE NW Section 19 Township 30S Range 5W  
County Kingman State Kansas

### Casing Record:

Surface: 8 5/8" @ 268' with 225  
Production: \_\_\_\_\_ @ \_\_\_\_\_ with \_\_\_\_\_

Type Well: D & A Total Depth 4230'

Drilling Commenced: 1-29-98 Drilling Completed: 2-7-98

<u>Formation</u>	<u>From</u>	<u>To</u>	<u>Tops</u>	
Cellar	00	5	Kansas City	3725
Sand, Shale	5	466	Mississippi	4153
Shale	466	1735		
Shale, Lime	1735	2420		
Lime, Shale	2420	4230		

ORIGINAL

WELL NAME:

Wild Cherry #1

COMPANY:

Bear Petroleum, Inc.

LOCATION:

19-30S-6W

Kingman County, Kansas

DATE:

2/11/98

15-095-21742



TRILOBITE TESTING L.L.C.

OPERATOR : Bear Petroleum, Inc.

DATE 2-5-98

WELL NAME: Wild Cherry #1

KB 1461.00 ft

TICKET NO: 10612 DST #1

LOCATION : 19-30S-6W CO Kingman KS

GR 1457.00 ft

FORMATION: Mississippi

INTERVAL : 4136.00 To 4153.00 ft

TD 4153.00 ft

TEST TYPE: CONV

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 60 Rec.	10332	10332	13849			PF Fr. 1959 to 2059 hr
SI 60 Range(Psi )	4025.0	4025.0	4375.0	0.0	0.0	IS Fr: 2059 to 2159 hr
SF 60 Clock(hrs)	12 HR	12 HR	12 HR			SF Fr. 2159 to 2259 hr
FS 60 Depth(ft )	4145.0	4145.0	4150.0	0.0	0.0	FS Fr. 2259 to 2359 hr

	Field	1	2	3	4	
A. Init Hydro	2058.0	2060.0	0.0	0.0	0.0	T STARTED 1730 hr
B. First Flow	61.0	62.0	0.0	0.0	0.0	T ON BOTM 750 hr
B1. Final Flow	71.0	69.0	0.0	0.0	0.0	T OPEN 759 hr
C. In Shut-in	1014.0	1021.0	0.0	0.0	0.0	T PULLED 1159 hr
D. Init Flow	80.0	80.0	0.0	0.0	0.0	T OUT 0200 hr
E. Final Flow	91.0	80.0	0.0	0.0	0.0	
F. Fl Shut-in	984.0	987.0	0.0	0.0	0.0	
G. Final Hydro	2018.0	1993.0	0.0	0.0	0.0	
Inside/Outside	0	0	I			

TOOL DATA-----

Tool Wt.	2100.00 lbs
Wt Set On Packer	20000.00 lbs
Wt Pulled Loose	62000.00 lbs
Initial Str Wt	48000.00 lbs
Unseated Str Wt	54000.00 lbs
Bot Choke	0.75 in
Hole Size	7.88 in
D Col. ID	2.50 in
D. Pipe ID	3.80 in
D.C. Length	0.00 ft
D.P. Length	4136.00 ft

RECOVERY

Tot Fluid 150.00 ft of 0.00 ft in DC and 150.00 ft in DP  
 3986.00 ft of Gas in pipe  
 30.00 ft of Heavy gas cut muddy water  
 0.00 ft of 24% gas 6% water 70% mud  
 120.00 ft of Slight gas cut muddy water  
 0.00 ft of 20% gas 40% water 40% mud  
 0.00 ft of  
 0.00 ft of  
 0.00 ft of

SALINITY 50000.00 P.P.M. A.P.I. Gravity 0.00

MUD DATA-----

Mud Type	Chemical
Weight	9.20 lb/cf
Vis.	45.00 S/L
W.L.	10.40 in3
F.C.	0.00 in
Mud Drop	

BLOW DESCRIPTION

Initial Flow:  
 Strong blow bottom of bucket in 30 sec gas to surface in 8 mins  
 Initial Shut-in:  
 Bled down for 5 mins, backto bottom of bucket in 4 mins  
 Final Flow:  
 Strong blow bottom of bucket in 15 sec  
 Final Shut-in:  
 Bled down for 5 mins, back to bottom of bucket in 3 1/2 mins

Amt. of fill	0.00 ft
Btm. H. Temp.	130.00 F
Hole Condition	
% Porosity	0.00
Packer Size	6.75 in
No. of Packers	2
Cushion Amt.	0.00

SAMPLES:

SENT TO:

Cushion Type  
 Reversed Out  
 Tool Chased  
 Tester Darren Amerine  
 Co. Rep. Terry McLead  
 Contr. White & Ellis  
 Rig # 8  
 Unit #  
 Pump T.

Test Successful: Y

# TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

## Test Ticket

No 10612

Well Name & No. Wild Cherry #1 Test No. #1 Date 2/5/98  
Company Bear Petroleum, Inc. Zone Tested MISS  
Address P.O. box 438 Haysville, KS 67060 Elevation 1461 KB 1457 GL  
Co. Rep / Geo Tony McLeod Cont. White & Ellis #8 Est. Ft. of Pay      Por.      %  
Location: Sec. 19 Twp. 30S Rge. 6W Co. Kingman State KS  
No. of Copies      Distribution Sheet (Y, N)      Turnkey (Y, N)      Evaluation (Y, N)     

Interval Tested 4136' - 4153' Initial Str Wt./Lbs. 48,000 Unseated Str Wt./Lbs. 54,000  
Anchor Length 17' Wt. Set Lbs. 20,000 Wt. Pulled Loose/Lbs. 62,000  
Top Packer Depth 4131' Tool Weight 2100  
Bottom Packer Depth 4136' Hole Size — 7 7/8"  Rubber Size — 6 3/4"   
Total Depth 4153' Wt. Pipe Run      Drill Collar Run       
Mud Wt. 9.2 LCM      Vis. 45 WL 104 Drill Pipe Size 4 1/2 x H Ft. Run 4136'  
Blow Description FF: Strong blow. B.O.B in 30 sec. BTS in 8 mins. Gauge Pass  
FF: Bleed down for 5 mins. Back to Bob in 4 mins  
FF: Strong blow. B.O.B in 15 sec. Gauge Pass.  
FF: Bleed down for 5 mins. Back to Bob in 3 1/2 mins.

Recovery — Total Feet	GIP	Ft. in DC	Ft. in DP
<u>150'</u>	<u>3986'</u>	<u>    </u>	<u>150'</u>
Rec. <u>30'</u> Feet Of <u>H6CMW</u>	<u>24</u> %gas	<u>6</u> %oil	<u>70</u> %water %mud
Rec. <u>120'</u> Feet Of <u>S6CMW</u> Trace oil	<u>20</u> %gas	<u>40</u> %oil	<u>40</u> %water %mud
Rec. <u>    </u> Feet Of <u>    </u>	<u>    </u> %gas	<u>    </u> %oil	<u>    </u> %water %mud
Rec. <u>    </u> Feet Of <u>    </u>	<u>    </u> %gas	<u>    </u> %oil	<u>    </u> %water %mud
Rec. <u>    </u> Feet Of <u>    </u>	<u>    </u> %gas	<u>    </u> %oil	<u>    </u> %water %mud

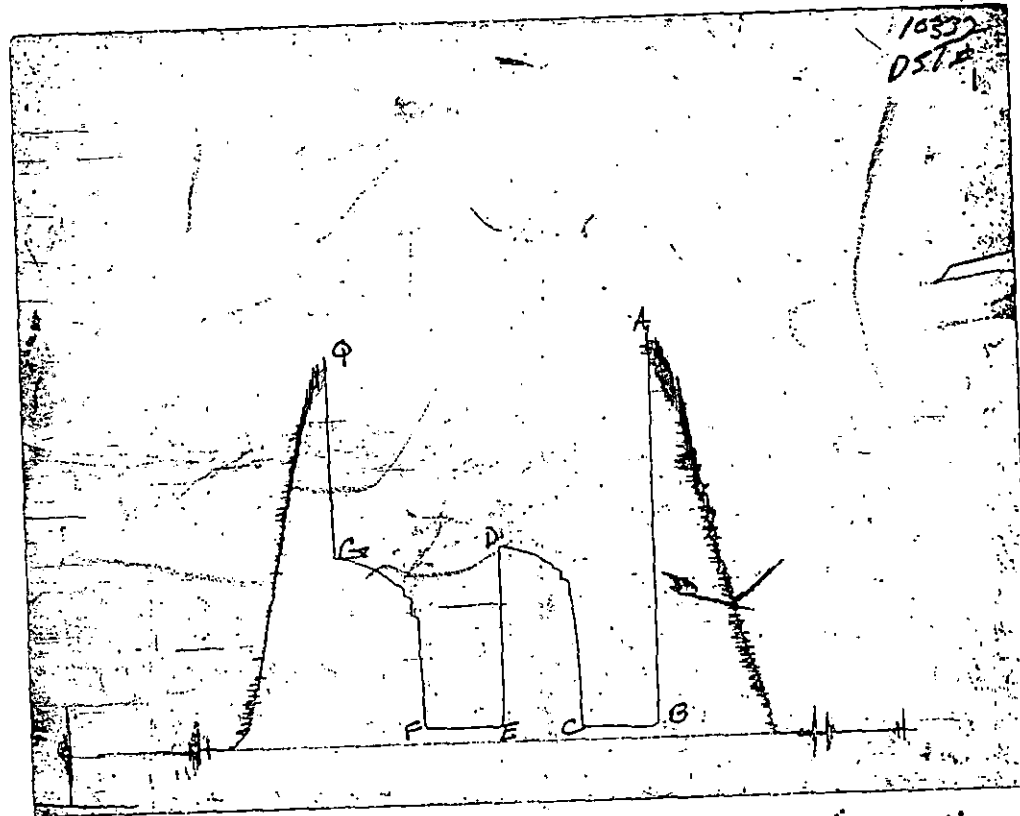
BHT 150° °F Gravity      °API D@      °F Corrected Gravity      °API  
RW .2 @ 50 °F Chlorides 50000 ppm Recovery Chlorides 5000 ppm System

(A) Initial Hydrostatic Mud 2058 PSI Recorder No. 10532 T-Started 5:30 = 17.  
(B) First Initial Flow Pressure 61 PSI (depth) 4145' T-Open 7:59 = 195.  
(C) First Final Flow Pressure 71 PSI Recorder No. 13849 T-Pulled 11:59 pm 23.  
(D) Initial Shut-in Pressure 1014 PSI (depth) 4150' T-Out 2:00  
(E) Second Initial Flow Pressure 81 PSI Recorder No.       
(F) Second Final Flow Pressure 91 PSI (depth)       
(G) Final Shut-in Pressure 984 PSI Initial Opening 60 Test   
(H) Final Hydrostatic Mud 2018 PSI Initial Shut-in 60 Jars       
Final Flow 60 Safety Joint   
Final Shut-in 60 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 Tony McLeod

CHART PAGE



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

TRILOBITE TESTING L.L.C.

OPERATOR : Bear Petroleum, Inc.  
 WELL NAME: Wild Cherry #1  
 LOCATION : 19-30S-6W Co Kingman KS  
 INTERVAL : 4154.00 To 4177.00 ft

DATE 2-6-98  
 KB 1461.00 ft TICKET NO: 10613 DST #2  
 GR 1457.00 ft FORMATION: Mississippi  
 TD 4177.00 ft TEST TYPE: CONV

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 0 Rec.	10332	13849				PF Fr. to hr
SI 0 Range (Psi )	4025.0	4375.0	0.0	0.0	0.0	IS Fr. to hr
SF 0 Clock (hrs)	12 HR	12 HR				SF Fr. to hr
FS 0 Depth (ft )	4164.0	4175.0	0.0	0.0	0.0	FS Fr. to 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
Bl. 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 0015 hr
D. Init Flow	0.0	0.0	0.0	0.0	0.0	T OUT 0230 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	
Inside/Outside	O	I				

TOOL DATA-----  
 Tool Wt. 2100.00 lbs  
 Wt Set On Packer 20000.00 lbs  
 Wt Pulled Loose 0.00 lbs  
 Initial Str Wt 48000.00 lbs  
 Unseated Str Wt 48000.00 lbs  
 Bot Choke 0.75 in  
 Hole Size 7.88 in  
 D Col. ID 2.50 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  
 0.00 ft of

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

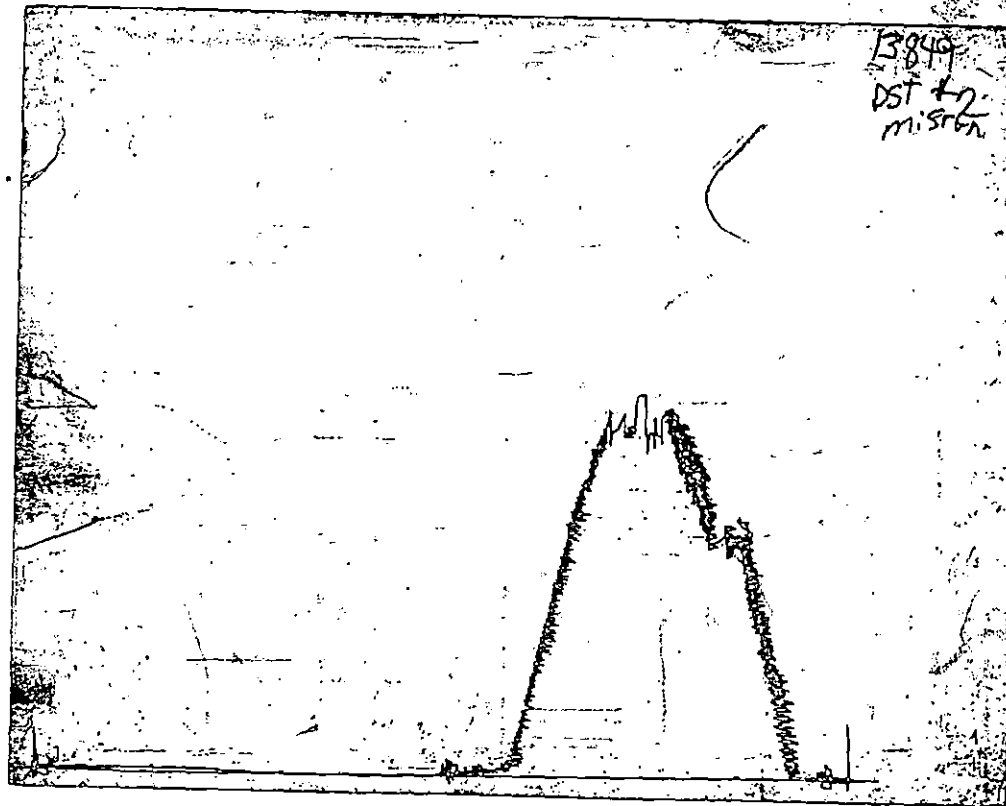
BLOW DESCRIPTION

MUD DATA-----  
 Mud Type Chemical  
 Weight 9.20 lb/cf  
 Vis. 46.00 S/L  
 W.L. 8.80 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 Darren Amerine  
 Co. Rep. Terry McLead  
 Contr. White & Ellis  
 Rig # 8  
 Unit #  
 Pump T.

SAMPLES:  
 SENT TO:

Test Successful: N

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 10613

Well Name & No. <u>Wild Cherry #1</u>	Test No. <u>#2</u>	Date <u>2/16/98</u>
Company <u>Bear Petroleum</u>	Zone Tested <u>Miss.</u>	
Address <u>P.O. box 438 Haysville, KS</u>	Elevation <u>1461</u> KB <u>1457</u> GL	
Co. Rep / Geo <u>Jerry McLeod</u>	Cont. <u>White &amp; Ellis</u>	Est. Ft. of Pay <u>    </u> Por. <u>    </u> %
Location: Sec. <u>19</u> Twp. <u>30<sup>S</sup></u> Rge. <u>6<sup>W</sup></u>	Co. <u>Franklin</u> State <u>KS</u>	
No. of Copies <u>5</u>	Distribution Sheet (Y, N) <u>    </u>	Turnkey (Y, N) <u>    </u> Evaluation (Y, N) <u>    </u>

Interval Tested <u>4154' - 4177'</u>	Initial Str Wt./Lbs. <u>41,000</u>	Unseated Str Wt./Lbs. <u>18,000</u>
Anchor Length <u>23'</u>	Wt. Set Lbs. <u>20,000</u>	Wt. Pulled Loose/Lbs. <u>    </u>
Top Packer Depth <u>4149'</u>	Tool Weight <u>2100</u>	
Bottom Packer Depth <u>4154'</u>	Hole Size — 7 7/8" <input checked="" type="checkbox"/>	Rubber Size — 6 3/4" <input checked="" type="checkbox"/>
Total Depth <u>4177'</u>	Wt. Pipe Run <u>    </u>	Drill Collar Run <u>    </u>
Mud Wt. <u>9.2</u> LCM <u>0</u> Vis. <u>45</u> WL <u>8.8</u>	Drill Pipe Size <u>4 1/2 X 14</u>	Ft. Run <u>    </u>
Blow Description <u>FF:</u>		

FF: MUD DUE TO FAILURE

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

BHT      °F Gravity      °API D@      °F Corrected Gravity      °API  
RW      @      °F Chlorides      ppm Recovery Chlorides 4,500 ppm System

(A) Initial Hydrostatic Mud	PSI Recorder No. <u>10332</u>	T-Started <u>9:30 P</u> = 213
(B) First Initial Flow Pressure	PSI (depth) <u>4164'</u>	T-Open <u>Missed</u>
(C) First Final Flow Pressure	PSI Recorder No. <u>13849</u>	T-Pulled <u>12:15 PM</u>
(D) Initial Shut-in Pressure	PSI (depth) <u>4175'</u>	T-Out <u>2:30</u>
(E) Second Initial Flow Pressure	PSI Recorder No. <u>    </u>	
(F) Second Final Flow Pressure	PSI (depth) <u>    </u>	
(G) Final Shut-in Pressure	PSI Initial Opening <u>    </u>	Test <input checked="" type="checkbox"/>
(H) Final Hydrostatic Mud	PSI Initial Shut-in <u>    </u>	Jars <u>    </u>

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

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Approved By Jerry McLeod

TRILOBITE TESTING L.L.C.

OPERATOR : Bear Petroleum, Inc.  
 WELL NAME: Wild Cherry #1  
 LOCATION : 19-30S-6W Co Kingman KS  
 INTERVAL : 4168.00 To 4176.00 ft

DATE 2-6-98  
 KB 1461.00 ft TICKET NO: 10614 DST #3  
 GR 1457.00 ft FORMATION: Mississippi  
 TD 4176.00 ft TEST TYPE: CONV-STRADDLE

ORDER DATA

mins		Field	1	2	3	4	TIME DATA-----
60	Rec.	10332	10332	13849	10991		PF Fr. 1740 to 1840 hr
60	Range(Psi )	4025.0	4025.0	4375.0	4200.0	0.0	IS Fr. 1840 to 1940 hr
60	Clock(hrs)	12 HR	12 HR	12 HR	12 HR		SF Fr. 1940 to 2040 hr
60	Depth(ft )	4154.0	4154.0	4173.0	4227.0	0.0	FS Fr. 2040 to 2140 hr

	Field	1	2	3	4	
Init Hydro	2104.0	2097.0	0.0	0.0	0.0	T STARTED 1430 hr
First Flow	100.0	50.0	0.0	0.0	0.0	T ON BOTM 1735 hr
Final Flow	67.0	34.0	0.0	0.0	0.0	T OPEN 1740 hr
In Shut-in	1051.0	1083.0	0.0	0.0	0.0	T PULLED 2140 hr
Init Flow	89.0	74.0	0.0	0.0	0.0	T OUT 2330 hr
Final Flow	89.0	52.0	0.0	0.0	0.0	

	Field	1	2	3	4	TOOL DATA-----
Fl Shut-in	1036.0	1057.0	0.0	0.0	0.0	Tool Wt. 2100.00 lbs
Final Hydro	2071.0	2035.0	0.0	0.0	0.0	Wt Set On Packer 20000.00 lbs
Side/Outside	0	0	I	I		Wt Pulled Loose 60000.00 lbs

RECOVERY

Fluid 75.00 ft of 0.00 ft in DC and 75.00 ft in DP  
 00 ft of Oil and gas cut muddy water  
 00 ft of 10% gas 6% oil 54% water 30% mud  
 00 ft of  
 00 ft of  
 00 ft of  
 00 ft of  
 00 ft of  
 00 ft of

Unseated Str Wt 52000.00 lbs  
 Bot Choke 0.75 in  
 Hole Size 7.88 in  
 D Col. ID 2.50 in  
 D. Pipe ID 3.80 in  
 D.C. Length 0.00 ft  
 D.P. Length 4197.00 ft

PLINITY 40000.00 P.P.M. A.P.I. Gravity 0.00

MUD DATA-----

Mud Type Chemical  
 Weight 9.30 lb/l  
 Vis. 48.00 S/L  
 W.L. 10.00 in3  
 F.C. 0.00 in  
 Mud Drop

BLOW DESCRIPTION

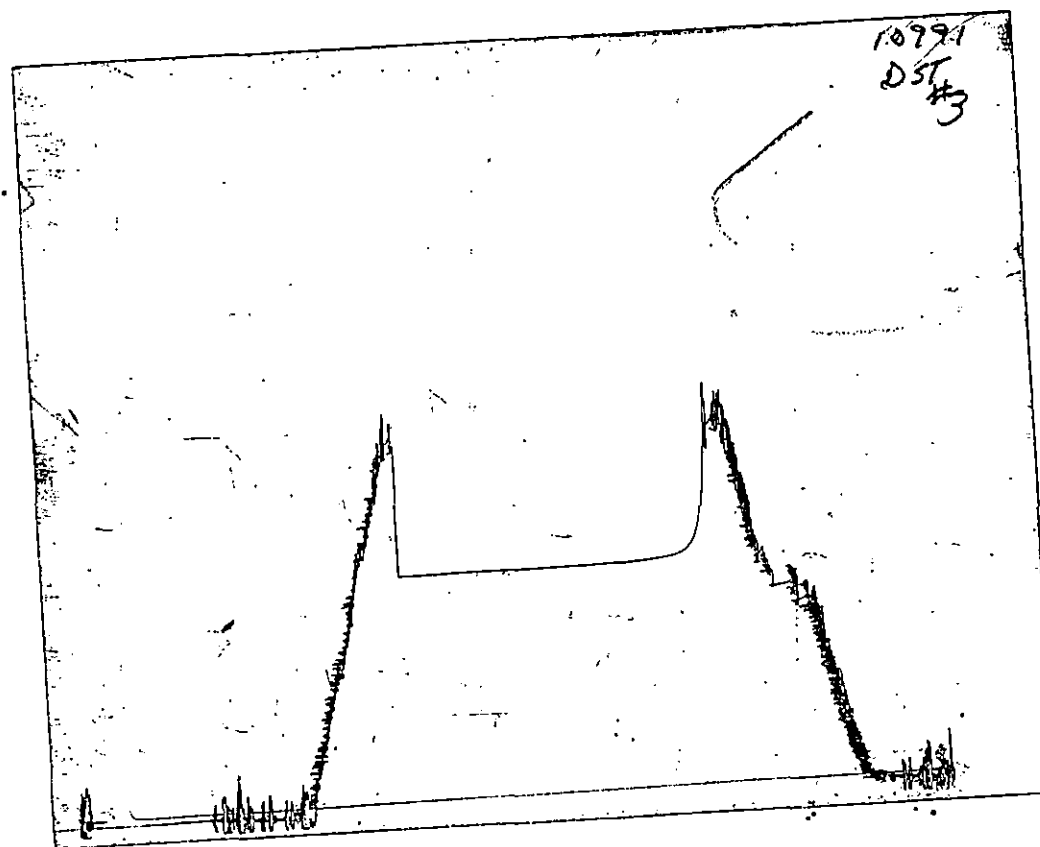
Initial Flow:  
 Fair blow built to bottom of bucket  
 in 12 mins  
 Initial Shut-in:  
 Bled down for 2 mins no blow back  
 Final Flow:  
 Strong blow built to bottom of  
 bucket in 30 sec  
 Final Shut-in:  
 Weak blow back

Amt. of fill 0.00 ft  
 Btm. H. Temp. 128.00 F  
 Hole Condition  
 % Porosity 0.00  
 Packer Size 6.75 in  
 No. of Packers 3  
 Cushion Amt. 0.00  
 Cushion Type  
 Reversed Out  
 Tool Chased  
 Tester Darren Amerine  
 Co. Rep. Terry McLead  
 Contr. White & Ellis  
 Rig # 8  
 Unit #  
 Pump T.

SAMPLES:  
 SENT TO:

Test Successful: Y

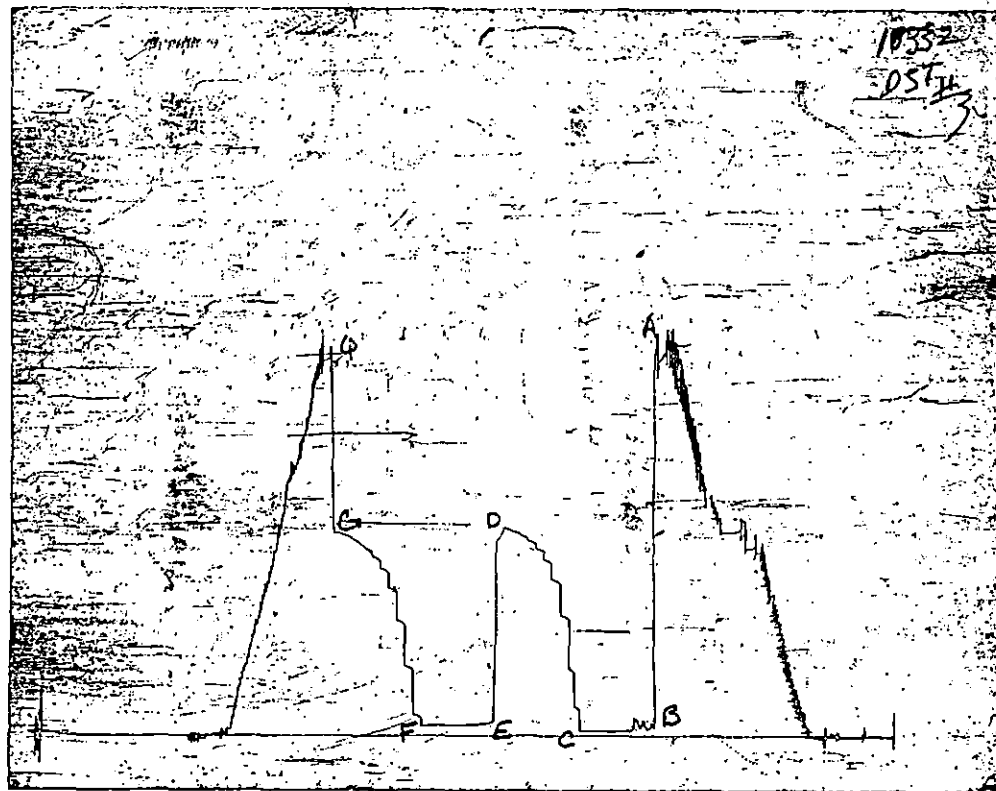
CHART PAGE



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 10614

Well Name & No. <u>Wild Cherry #1</u>	Test No. <u>#3</u>	Date <u>2/16/98</u>
Company <u>Bear Pet, Inc</u>	Zone Tested _____	
Address <u>P.O. box 438 Haysville, Mo</u>	Elevation <u>1461</u>	KB <u>145.7</u> GL
Co. Rep / Geo. <u>Terry McLeod</u>	Cont. <u>White &amp; Ellis</u>	Est. Ft. of Pay _____ Por. _____ %
Location: Sec. <u>19</u>	Twp. <u>30<sup>s</sup></u>	Rge. <u>6<sup>w</sup></u> Co. <u>Kingman</u> State <u>Mo</u>
No. of Copies <u>5</u>	Distribution Sheet (Y, N) _____	Turnkey (Y, N) _____ Evaluation (Y, N) _____

Interval Tested <u>4168 - 4176</u>	Initial Str Wt./Lbs. <u>50,000</u>	Unseated Str Wt./Lbs. <u>52,000</u>
Anchor Length <u>8'</u>	Wt. Set Lbs. <u>29,000</u>	Wt. Pulled Loose/Lbs. <u>60,000</u>
Top Packer Depth <u>4163</u>	Tool Weight <u>2100</u>	
Bottom Packer Depth <u>4168 &amp; 4176</u>	Hole Size — <u>7 7/8"</u>	<input checked="" type="checkbox"/> Rubber Size — <u>6 3/4"</u>
Total Depth <u>4230'</u>	Wt. Pipe Run _____	Drill Collar Run _____
Mud Wt. <u>9.3</u> LCM <u>0</u> Vis. <u>48</u> WL <u>10.0</u>	Drill Pipe Size <u>4 1/2 X H</u>	Ft. Run <u>4197'</u>
Blow Description <u>IF: Fair blow built to DOP in 12 runs.</u>		
<u>IST: Bled down for 2 mins. No bp</u>		
<u>EF: Strong blow, built to DOP in 50 sec</u>		
<u>FST: Weak blow back</u>		

Recovery — Total Feet <u>75</u>	GIP <u>Trace</u>	Ft. in DC _____	Ft. in DP <u>75</u>
Rec. <u>75'</u> Feet Of <u>0.6 CMW</u>	<u>10</u> %gas	<u>6</u> %oil	<u>54</u> %water <u>30</u> %mud
Rec. _____ Feet Of _____	%gas _____	%oil _____	%water _____ %mud _____
Rec. _____ Feet Of _____	%gas _____	%oil _____	%water _____ %mud _____
Rec. _____ Feet Of _____	%gas _____	%oil _____	%water _____ %mud _____

BHT 125° °F Gravity \_\_\_\_\_ °API D@ \_\_\_\_\_ °F Corrected Gravity \_\_\_\_\_ °API

RW 10.38 @ 68° °F Chlorides 40,000 ppm Recovery Chlorides 5,000 ppm System

(A) Initial Hydrostatic Mud <u>2104</u> PSI	Recorder No. <u>10332</u>	T-Started <u>2:30</u> = <u>1430</u>
(B) First Initial Flow Pressure <u>100</u> PSI	(depth) <u>4154' AP</u>	T-Open <u>5:40</u> = <u>1740</u>
(C) First Final Flow Pressure <u>67</u> PSI	Recorder No. <u>13849</u>	T-Pulled <u>9:40</u> = <u>2140</u>
(D) Initial Shut-in Pressure <u>1051</u> PSI	(depth) <u>4173'</u>	T-Out <u>11:50 P</u> = <u>2330</u>
(E) Second Initial Flow Pressure <u>89</u> PSI	Recorder No. <u>10941</u>	
(F) Second Final Flow Pressure <u>89</u> PSI	(depth) <u>4227'</u>	
(G) Final Shut-in Pressure <u>1036</u> PSI	Initial Opening <u>60</u>	Test <input checked="" type="checkbox"/>
(H) Final Hydrostatic Mud <u>2071</u> PSI	Initial Shut-in <u>60</u>	Jars <input checked="" type="checkbox"/>
	Final Flow <u>60</u>	Safety Joint <input checked="" type="checkbox"/>
	Final Shut-in <u>60</u>	Straddle _____
		Circ. Sub _____
		Sampler _____
		Extra Packer _____
		Elect. Rec. _____
		Other _____

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Approved By Dan A. McLeod