

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

API NO. 15- 033-20942

ORIGINAL

County Comanche

E2 . NE . SE . NW Sec. 34 Twp. 34S Rge. 20  E  W

1700 Feet from S  (circle one) Line of Section  
2630 Feet from E  (circle one) Line of Section

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

Lease Name Miller Well # 6-34  
Field Name Box Ranch

Producing Formation Viola

Elevation: Ground 1726' KB 1737'

Total Depth 6830' PSTD 6448'

Amount of Surface Pipe Set and Cemented at 653 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 AH.1, 8-28-98 U.C.  
(Data must be collected from the Reserve Pit)

Chloride content \_\_\_\_\_ ppm Fluid volume \_\_\_\_\_ bbls

Dewatering method used \_\_\_\_\_

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

Operator Name \_\_\_\_\_

Lease Name \_\_\_\_\_ License No. \_\_\_\_\_

Quarter Sec. Twp. S Rng. E/W

County \_\_\_\_\_ Docket No. \_\_\_\_\_

Operator: License # 4145

Name: Roberts and Murphy, Inc.

Address PO Box 7125

City/State/Zip Shreveport, LA 71137-7125

Purchaser: GPM Gas Corp., Koch Oil

Operator Contact Person: Scott Kelly

Phone (318) 221-8601

Drill Contractor: Name: Duke Drilling Co., Inc.

License: 5929

Wellsite Geologist: Scott Martin

Designate Type of Completion

New Well  Re-Entry  Workover

Oil  SMD  SIGW  Temp. Abd.

Gas  ENHR  SIGW

Dry  Other (Core, MSW, Expl., Cathodic, etc)

Workover/Reentry: Old Well Info as follows:

Operator: \_\_\_\_\_

Well Name: \_\_\_\_\_

Comp. Date \_\_\_\_\_ Old Total Depth \_\_\_\_\_

Deepening \_\_\_\_\_ Re-perf. \_\_\_\_\_ Conv. to Inj/SMD

Plug Back \_\_\_\_\_ PSTD

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

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

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

11/6/97 11/23/97 11/30/97

Start Date Date Reached TD Completion Date

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market Room 207B, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rules 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.

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: Production Manager Date: 8/21/98

Subscribed and sworn to before me this 21st day of August 1998

Notary Public: Cindy D. Colquette

My Commission Expires with life

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

CINDY D. COLQUETTE  
NOTARY PUBLIC IN AND FOR CADDO PARISH  
MY COMMISSION IS FOR LIFE

Operator Name Roberts and Murphy, Inc.

Lease Name Miller

Well # 6-34

Sec. 34 Twp. 34S Rge. 20  East

County Comanche

East

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 where more space is needed. Attach copy of log.

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

Samples Sent to Geological Survey  Yes  No

Logs Taken  Yes  No

Electric Log Run  Yes  No  
(Submit Copy.)

Run All E.Logs Run:

Log Formation (Top), Depth and Datum  Sample

Name	Top	Datum
Heebner	4146	
Top Lansing K/C	4338	
Marmaton	4902	
Pawnee	4994	
Cherokee	5050	
Mississippi	5176	
Viola	6186	
Simpson	6314	

CASING RECORD

New  Used

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

Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs./Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
Conductor	30"	20"		49'	Common	150	
Surface	12 1/4"	8 5/8"	23	653'	65/35 Poz Class A	250 100	3% cc 3% cc 2% gel
Production	7 7/8"	4 1/2"	10.5	6515'	50/50 Poz	150	Gilsonite 3/4%

ADDITIONAL CEMENTING/SQUEEZE RECORD

Halad 322

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
4	6199'-6205'		

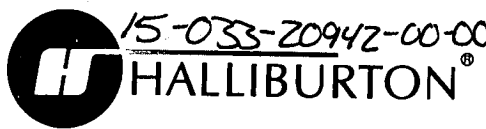
STRING RECORD Size 2 3/8" Set At 6206' Packer At 6121' Liner Run  Yes  No

Date of First, Resumed Production, S/D or Inj. 12/6/97 Producing Method  Flowing  Pumping  Gas Lift  Other (Explain)

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	3	396	17	132000	

Position of Gas: METHOD OF COMPLETION Production Interval  
 Vented  Sold  Used on Lease  Open Hole  Perf.  Dually Comp.  Commingled 6199'-6205'  
 (If vented, submit ACO-18.)  Other (Specify) \_\_\_\_\_

CUSTOMER COPY  
INVOICE



REMIT TO:  
P.O. BOX 951046  
DALLAS, TX 75395-1046

Corporate FIN 73-0271280

**ORIGINAL** HALLIBURTON ENERGY SERVICES  
A Division of Halliburton Company

INVOICE NO.	DATE
308204	11/24/1997

WELL LEASE NO./PROJECT MILLER 6-34		WELL/PROJECT LOCATION COMANCHE		STATE KS	OWNER SAME
SERVICE LOCATION PRATT		CONTRACTOR DUKE DRILLING	JOB PURPOSE SHOWN BELOW		TICKET DATE 11/24/1997
ACCT. NO. 746820	CUSTOMER AGENT ROBERT MOOREHEAD	VENDOR NO.	CUSTOMER P.O. NUMBER	SHIPPED VIA COMPANY TRUCK	FILE NO. 33651

ROBERTS & MURPHY INC  
P.O. BOX 7125  
SHREVEPORT, LA 71137-7125

DIRECT CORRESPONDENCE TO:  
P O BOX 963  
PRATT KS 67124  
316-672-5593

11-24-97  
9bb1-12-97

REFERENCE NO.	DESCRIPTION	QUANTITY	UM	UNIT PRICE	AMOUNT
PRICING AREA - MID CONTINENT					
JOB PURPOSE - CEMENT PRODUCTION CASING					
000-117	MILEAGE CEMENTING ROUND TRIP	150	MI	3.20	480.00
		1	UNT		
001-016	CEMENTING CASING	6515	FT	2,509.00	2,509.00
		1	UNT		
018-317	SUPER FLUSH	10	SK	112.00	1,120.00
018-303	CLAYFIX II, PER GAL	8	GAL	30.50	244.00
40	CENTRALIZER 4-1/2 X 7-7/8	10	EA	56.00	560.00
806.60004					
80	FORM PKR SHOE FLAP VLV 4 1/2"	1	EA	3,265.00	3,265.00
855.128					
82	FILL-UP UNIT	1	EA	103.00	103.00
855.02549					
320	BASKET-CMT-4 1/2 CSG X 18"OD-	1	EA	108.00	108.00
806.71415					
504-130	CEMENT - 50/50 POZMIX STANDARD	175	SK	7.69	1,345.75
507-775	HALAD-322	92	LB	7.70	708.40
509-968	SALT	750	LB	.17	127.50
508-291	GILSONITE BULK	750	LB	.50	375.00
500-207	BULK SERVICE CHARGE	201	CFT	1.55	311.55
500-306	MILEAGE CMTG MAT DEL OR RETURN	611.10	TMI	1.18	721.10
JOB PURPOSE SUBTOTAL					11,978.30
INVOICE SUBTOTAL					11,978.30
DISCOUNT-(BID)					3,353.91-
INVOICE BID AMOUNT					8,624.39

*Accepted by...*  
*AK. Mc*

1210-042  
111634A

\*\*\*\*\* CONTINUED ON NEXT PAGE \*\*\*\*\*

AFFIX JOB TKT

TERMS: If Customer does not have an approved open account with Halliburton, all sums due are payable in cash at the time of performance of services or delivery of equipment, products or materials. If customer has an approved open account, invoices are payable on the twentieth day after date of invoice. Customer agrees to pay interest of any unpaid balance from the date payable until paid at the highest lawful contract rate applicable, but never to exceed 18% per annum. In the event Halliburton employs an attorney for collection of any account, Customer agrees to pay attorney fees of 20% of the unpaid account, plus all collection and court costs.

# ALLIED CEMENTING CO., INC. 6385

15-033-20942-00-00

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

## ORIGINAL

SERVICE POINT: Medicine Lodge

DATE <u>11-1-97</u>	SEC <u>34</u>	TWP. <u>34S</u>	RANGE <u>25</u>	CALLED OUT <u>10:00 pm</u>	ON LOCATION <u>12:30 AM</u>	JOB START <u>8:10 AM</u>	JOB FINISH <u>5:45</u>
LEASE <u>1111</u>		WELL # <u>6-34</u>		LOCATION <u>Petechon 1125, Hwy, N/S</u>		COUNTY <u>Lincoln</u>	STATE <u>Kansas</u>

OLD OR NEW (Circle one)

CONTRACTOR Duke Rig 7  
 TYPE OF JOB Surface  
 HOLE SIZE 12 1/4 T.D. \_\_\_\_\_  
 CASING SIZE 8 1/2 x 24 DEPTH 157.02  
 TUBING SIZE \_\_\_\_\_ DEPTH \_\_\_\_\_  
 DRILL PIPE \_\_\_\_\_ DEPTH \_\_\_\_\_  
 TOOL \_\_\_\_\_ DEPTH \_\_\_\_\_  
 PRES. MAX 150 MINIMUM 50  
 MEAS. LINE \_\_\_\_\_ SHOE JOINT 21.79  
 CEMENT LEFT IN CSG. 21.79  
 PERFS. \_\_\_\_\_

OWNER \_\_\_\_\_  
 CEMENT  
 AMOUNT ORDERED 250 lbs (15.35 cc + 2% gel)  
100 cc Class 4 + 3% cc + 2% gel  
 COMMON \_\_\_\_\_ @ \_\_\_\_\_  
 POZMIX \_\_\_\_\_ @ \_\_\_\_\_  
 GEL \_\_\_\_\_ @ \_\_\_\_\_  
 CHLORIDE \_\_\_\_\_ @ \_\_\_\_\_  
 \_\_\_\_\_ @ \_\_\_\_\_  
 \_\_\_\_\_ @ \_\_\_\_\_  
 \_\_\_\_\_ @ \_\_\_\_\_  
 \_\_\_\_\_ @ \_\_\_\_\_  
 HANDLING \_\_\_\_\_ @ \_\_\_\_\_  
 MILEAGE \_\_\_\_\_ @ \_\_\_\_\_  
 TOTAL \_\_\_\_\_

### EQUIPMENT

PUMP TRUCK CEMENTER Carl Baldrey  
 # 257-205 HELPER Steve Winger  
 BULK TRUCK DRIVER Mark Blumhardt  
 # 240-251  
 BULK TRUCK DRIVER \_\_\_\_\_  
 # \_\_\_\_\_

### REMARKS:

Pipe on bottom breaks circulation  
1/2 Rig pump 50 lbs fresh water and  
2 pumps 200 cc 65-35-6 + 3% cc + 1 flat seal  
2 pumps 100 cc class 4 + 3% cc + 2% gel cement  
for 50 ft 2 pumps Release plug Displace  
with 4 1/4 bags fresh water (Did NOT pump  
plug) circulate approximately 65 cc

### SERVICE

DEPTH OF JOB 653  
 PUMP TRUCK CHARGE \_\_\_\_\_  
 EXTRA FOOTAGE \_\_\_\_\_ @ \_\_\_\_\_  
 MILEAGE \_\_\_\_\_ @ \_\_\_\_\_  
 PLUG Rubber \_\_\_\_\_ @ \_\_\_\_\_  
 \_\_\_\_\_ @ \_\_\_\_\_  
 TOTAL \_\_\_\_\_

CHARGE TO: Duke Drilling Co  
 STREET \_\_\_\_\_  
 CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

### FLOAT EQUIPMENT

1 - Baffle plate @ \_\_\_\_\_  
1 - 3" x 1/2" Al. C. Unit shoe @ \_\_\_\_\_  
1 - Cementation @ \_\_\_\_\_  
1 - Bagster @ \_\_\_\_\_  
 TOTAL \_\_\_\_\_

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

TAX \_\_\_\_\_  
 TOTAL CHARGE \_\_\_\_\_  
 DISCOUNT \_\_\_\_\_ IF PAID IN 30 DAYS

SIGNATURE \_\_\_\_\_

15-033-20942-00-00

**WELL NAME:** Miller 6-34  
**COMPANY:** Roberts & Murphy, Inc  
**LOCATION:** 34-34S-20W  
Comanche County, Kansas  
**DATE:** 11/24/97

**ORIGINAL**  
15-033-20942

ORIGINAL

TRILOBITE TESTING L.L.C.

15-033-20942-00-00

OPERATOR : Roberts & Murphy, Inc.

DATE 11/20/97

WELL NAME: Miller #6-34

KB 1739.00 ft

TICKET NO: 10088

DST #1

LOCATION : 34-34s-20w Comanche Co KS

GR 1726.00 ft

FORMATION: Viola

INTERVAL : 6198.00 To 6226.00 ft

TD 6226.00 ft

TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins		Field	1	2	3	4	TIME DATA-----	
PF	15	Rec.	10332	10332	2350		PF Fr.	0827 to 0842 hr
SI	120	Range (Psi )	4025.0	4025.0	4995.0	0.0	IS Fr.	0842 to 1042 hr
SF	0	Clock (hrs)	12hr.	12hr.	elec.		SF Fr.	to hr
FS	0	Depth(ft )	6223.0	6223.0	6204.0	0.0	FS Fr.	to hr

	Field	1	2	3	4	
A. Init Hydro	3126.0	3131.0	3056.0	0.0	0.0	T STARTED 0336 hr
B. First Flow	2208.0	2230.0	2260.0	0.0	0.0	T ON BOTM 0820 hr
B1. Final Flow	2098.0	2116.0	2104.0	0.0	0.0	T OPEN 0827 hr
C. In Shut-in	2278.0	2299.0	2324.0	0.0	0.0	T PULLED 1042 hr
D. Init Flow	0.0	0.0	0.0	0.0	0.0	T OUT 1400 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	3086.0	3064.0	2977.0	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	95000.00 lbs
Initial Str Wt	77000.00 lbs
Unseated Str Wt	77000.00 lbs
Bot Choke	0.75 in
Hole Size	7.88 in
D Col. ID	2.25 in
D. Pipe ID	3.80 in
D.C. Length	268.00 ft
D.P. Length	5928.00 ft

RECOVERY

Tot Fluid 298.00 ft of 268.00 ft in DC and 30.00 ft in DP  
 5898.00 ft of Gas in pipe.  
 100.00 ft of Slightly mud gassy wtr 50%cond.20%g20%w10%m  
 150.00 ft of Slightly mud cut gassy water 20%gas 80%water  
 48.00 ft of Water 100% water  
 0.00 ft of  
 0.00 ft of  
 0.00 ft of  
 0.00 ft of

SALINITY 85000.00 P.P.M. A.P.I. Gravity 0.00

MUD DATA-----

Mud Type	Chemical
Weight	8.90 lb/c
Vis.	48.00 S/L
W.L.	11.30 in3
F.C.	0.00 in

Mud Drop N

BLOW DESCRIPTION

Initial Flow:  
Strong blow - gas to surface in 90 seconds

Initial Shutin:  
Bled down for two hours - pulled tool

Amt. of fill	0.00 ft
Btm. H. Temp.	142.00 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	Darren Amerine
Co. Rep.	Dale Paddget
Contr.	Duke
Rig #	7
Unit #	
Pump T.	

SAMPLES:  
SENT TO:

Test Successful: Y

ORIGINAL

15-033-20942-00-00

\*\*\* TOOL DIAGRAM \*\*\* CONVENTIONAL

WELL NAME: Miller #6-34  
 LOCATION : 34-34s-20w Comanche Co KS  
 TICKET No. 10088 D.S.T. No. 1 DATE 11/20/97  
 TOTAL TOOL TO BOTTOM OF TOP PACKERS ..... 28  
 INTERVAL TOOL .....  
 BOTTOM PACKERS AND ANCHOR ..... 28  
 TOTAL TOOL ..... 56  
 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.Stands4 Single 1 Total 268  
 D.P. ABOVE TOOLS.Stands95 Single 1 Total 5928  
 TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 6252  
 TOTAL DEPTH ..... 6226  
 TOTAL DRILL PIPE ABOVE K.B. .... 26  
 REMARKS:  
 Scott Martin  
 Mobile#(318)-458-0046  
 Mud Log Fax#(405)-254-1052

P.O. SUB	6171
C.O. SUB	6172
S.I. TOOL	6177
HMV	6182
JARS	6187
SAFETY JOINT	6189
PACKER	6193
PACKER	6198
DEPTH	
STUBB 1'stubb to	6199
ANCHOR 25'of perfs'to	6224
Alpine rec.@6204	
	6224
	6224
T.C.	
DEPTH	
	6224
Ak-1 rec.@6223	
BULLNOSE 2'bullnose to	6226
T.D.	

15-033-20942-00-00

GAS RECOVERY

COMPANY: Roberts & Murphy, Inc.

DATE: 11/20/97

WELL NAME: Miller #6-34

KB Elev: 1739.00 ft TICKET #10088 DST #1

WELL LOCATION: 34-34s-20w Comanche Co KS

GR Elev: 1726.00 ft FORMATION: Viola

INTERVAL Fr.: 6198.00 To 6226.00 T.D.: 6226.00 ft TEST TYPE: CONVENTIONAL

GAS RECOVERY MEASURED WITH Adj.choke

\*\*\*\*\* GAS RATES FOR FLOW #1

Time (min)	Orifice (in)	Pressure (Psi)	H2O (in)	Rate (cf/d)
5	0.75	450	0	6480000.0
10	0.75	650	0	9270000.0
15	0.75	725	0	10316000.0



## ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: TK#10088 DST#1 Miller #6-34 Roberts@Murphy, Inc.

DATE: 11/20/97

TIME: 03:38:25

	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P <sup>2</sup> /10 <sup>6</sup>
***** Initial Hydro.	260.00	3056.1	0.0	125.90		
***** Start Flow 1	0.00	2259.9	0.0	126.22		
	1.00	2204.0	-55.9	127.03		
	2.00	2179.4	-80.5	128.43		
	3.00	2162.8	-97.1	130.08		
	4.00	2155.8	-104.2	131.67		
	5.00	2148.5	-111.4	133.08		
	6.00	2142.2	-117.8	134.27		
	7.00	2137.9	-122.0	135.33		
	8.00	2132.5	-127.4	136.23		
	9.00	2130.1	-129.8	137.02		
	10.00	2129.6	-130.3	137.70		
	11.00	2125.9	-134.0	138.35		
	12.00	2121.4	-138.5	138.88		
	13.00	2117.6	-142.3	139.36		
	14.00	2109.9	-150.0	139.73		
***** End Flow 1	15.00	2104.0	-155.9	140.10		
***** Start Shutin 1	0.00	2104.0	0.0	140.10	0.0000	4.427
	1.00	2228.3	124.3	140.39	16.0000	4.965
	2.00	2231.8	127.8	140.76	8.5000	4.981
	3.00	2236.2	132.3	140.99	6.0000	5.001
	4.00	2239.9	135.9	141.20	4.7500	5.017
	5.00	2242.7	138.7	141.30	4.0000	5.030
	6.00	2245.3	141.3	141.47	3.5000	5.041
	7.00	2247.6	143.6	141.55	3.1429	5.052
	8.00	2249.6	145.6	141.63	2.8750	5.061
	9.00	2251.5	147.5	141.67	2.6667	5.069
	10.00	2253.1	149.1	141.70	2.5000	5.077
	11.00	2254.7	150.7	141.67	2.3636	5.084
	12.00	2256.1	152.2	141.65	2.2500	5.090
	13.00	2257.3	153.3	141.63	2.1538	5.095
	14.00	2066.0	-38.0	141.55	2.0714	4.268
	15.00	2066.8	-37.2	141.49	2.0000	4.272
	16.00	2067.7	-36.3	141.44	1.9375	4.275
	17.00	2068.6	-35.4	141.36	1.8824	4.279
	18.00	2069.3	-34.7	141.32	1.8333	4.282
	19.00	2070.1	-33.9	141.25	1.7895	4.285
	20.00	2070.9	-33.1	141.21	1.7500	4.289
	21.00	2071.6	-32.4	141.14	1.7143	4.291
	22.00	2072.3	-31.6	141.08	1.6818	4.295
	23.00	2073.0	-31.0	141.04	1.6522	4.297
	24.00	2073.8	-30.2	141.02	1.6250	4.300
	25.00	2074.4	-29.5	140.95	1.6000	4.303
	26.00	2075.1	-28.9	140.92	1.5769	4.306
	27.00	2075.8	-28.2	140.89	1.5556	4.309
	28.00	2076.4	-27.6	140.83	1.5357	4.311
	29.00	2077.0	-26.9	140.78	1.5172	4.314
	30.00	2077.7	-26.3	140.76	1.5000	4.317
	31.00	2078.3	-25.7	140.74	1.4839	4.319
	32.00	2273.5	169.5	140.76	1.4688	5.169
	33.00	2274.3	170.3	140.75	1.4545	5.172

15-033-20942-00-00

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: TK#10088 DST#1 Miller #6-34 Roberts@Murphy, Inc.  
DATE: 11/20/97 TIME: 03:38:25

Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
34.00	2274.9	171.0	140.74	1.4412	5.175
35.00	2275.6	171.6	140.73	1.4286	5.178
36.00	2276.4	172.4	140.67	1.4167	5.182
37.00	2277.1	173.1	140.67	1.4054	5.185
38.00	2277.8	173.8	140.66	1.3947	5.188
39.00	2278.4	174.4	140.65	1.3846	5.191
40.00	2279.2	175.2	140.63	1.3750	5.195
41.00	2279.9	175.9	140.63	1.3659	5.198
42.00	2280.5	176.5	140.64	1.3571	5.201
43.00	2281.1	177.2	140.57	1.3488	5.204
44.00	2281.9	177.9	140.58	1.3409	5.207
45.00	2282.7	178.7	140.56	1.3333	5.211
46.00	2283.2	179.2	140.56	1.3261	5.213
47.00	2283.8	179.9	140.55	1.3191	5.216
48.00	2284.6	180.6	140.56	1.3125	5.219
49.00	2285.1	181.1	140.57	1.3061	5.222
50.00	2285.8	181.9	140.54	1.3000	5.225
51.00	2286.4	182.5	140.54	1.2941	5.228
52.00	2287.0	183.0	140.54	1.2885	5.230
53.00	2287.7	183.7	140.55	1.2830	5.234
54.00	2288.4	184.4	140.55	1.2778	5.237
55.00	2289.0	185.1	140.53	1.2727	5.240
56.00	2289.7	185.7	140.50	1.2679	5.243
57.00	2290.2	186.2	140.53	1.2632	5.245
58.00	2290.9	186.9	140.53	1.2586	5.248
59.00	2291.5	187.5	140.53	1.2542	5.251
60.00	2292.0	188.0	140.59	1.2500	5.253
61.00	2292.6	188.7	140.51	1.2459	5.256
62.00	2293.2	189.3	140.52	1.2419	5.259
63.00	2293.9	189.9	140.53	1.2381	5.262
64.00	2294.4	190.4	140.53	1.2344	5.264
65.00	2295.1	191.1	140.56	1.2308	5.267
66.00	2295.8	191.8	140.52	1.2273	5.270
67.00	2296.3	192.3	140.53	1.2239	5.273
68.00	2296.8	192.9	140.54	1.2206	5.275
69.00	2297.3	193.4	140.55	1.2174	5.278
70.00	2297.9	194.0	140.54	1.2143	5.281
71.00	2298.5	194.5	140.56	1.2113	5.283
72.00	2299.1	195.1	140.56	1.2083	5.286
73.00	2299.7	195.7	140.57	1.2055	5.289
74.00	2300.3	196.3	140.55	1.2027	5.291
75.00	2300.9	196.9	140.57	1.2000	5.294
76.00	2301.4	197.4	140.58	1.1974	5.296
77.00	2301.9	197.9	140.61	1.1948	5.299
78.00	2302.5	198.5	140.57	1.1923	5.301
79.00	2303.1	199.1	140.59	1.1899	5.304
80.00	2303.6	199.6	140.60	1.1875	5.306
81.00	2304.1	200.2	140.62	1.1852	5.309
82.00	2304.7	200.8	140.60	1.1829	5.312
83.00	2305.2	201.3	140.61	1.1807	5.314
84.00	2305.8	201.8	140.62	1.1786	5.317

15-033-20942-00-00

## ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: TK#10088 DST#1 Miller #6-34 Roberts@Murphy, Inc.

DATE: 11/20/97

TIME: 03:38:25

Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P^2/10^6
85.00	2306.2	202.3	140.61	1.1765	5.319
86.00	2306.7	202.8	140.63	1.1744	5.321
87.00	2307.3	203.4	140.64	1.1724	5.324
88.00	2307.9	203.9	140.63	1.1705	5.327
89.00	2308.3	204.4	140.66	1.1685	5.328
90.00	2308.9	205.0	140.69	1.1667	5.331
91.00	2309.5	205.5	140.64	1.1648	5.334
92.00	2310.0	206.0	140.67	1.1630	5.336
93.00	2310.4	206.5	140.67	1.1613	5.338
94.00	2311.0	207.1	140.67	1.1596	5.341
95.00	2311.5	207.6	140.68	1.1579	5.343
96.00	2312.0	208.1	140.69	1.1562	5.346
97.00	2312.5	208.6	140.70	1.1546	5.348
98.00	2313.0	209.1	140.72	1.1531	5.350
99.00	2313.5	209.5	140.71	1.1515	5.352
100.00	2314.0	210.0	140.73	1.1500	5.354
101.00	2314.4	210.4	140.74	1.1485	5.356
102.00	2315.0	211.0	140.68	1.1471	5.359
103.00	2315.4	211.4	140.73	1.1456	5.361
104.00	2315.9	211.9	140.73	1.1442	5.363
105.00	2316.5	212.5	140.75	1.1429	5.366
106.00	2316.9	212.9	140.73	1.1415	5.368
107.00	2317.5	213.5	140.75	1.1402	5.371
108.00	2317.9	213.9	140.76	1.1389	5.373
109.00	2318.3	214.4	140.79	1.1376	5.375
110.00	2318.9	214.9	140.72	1.1364	5.377
111.00	2319.3	215.3	140.73	1.1351	5.379
112.00	2319.8	215.8	140.74	1.1339	5.381
113.00	2320.3	216.3	140.77	1.1327	5.384
114.00	2320.7	216.7	140.74	1.1316	5.386
115.00	2321.2	217.2	140.77	1.1304	5.388
116.00	2321.5	217.5	140.78	1.1293	5.389
117.00	2321.9	218.0	140.81	1.1282	5.391
118.00	2322.4	218.5	140.75	1.1271	5.394
119.00	2322.9	218.9	140.78	1.1261	5.396
120.00	2323.4	219.4	140.81	1.1250	5.398
121.00	2323.9	219.9	140.79	1.1240	5.400

\*\*\*\*\* End Shut-in 1

\*\*\*\*\* Final Hydro. 400.00 2977.0 0.0 138.84

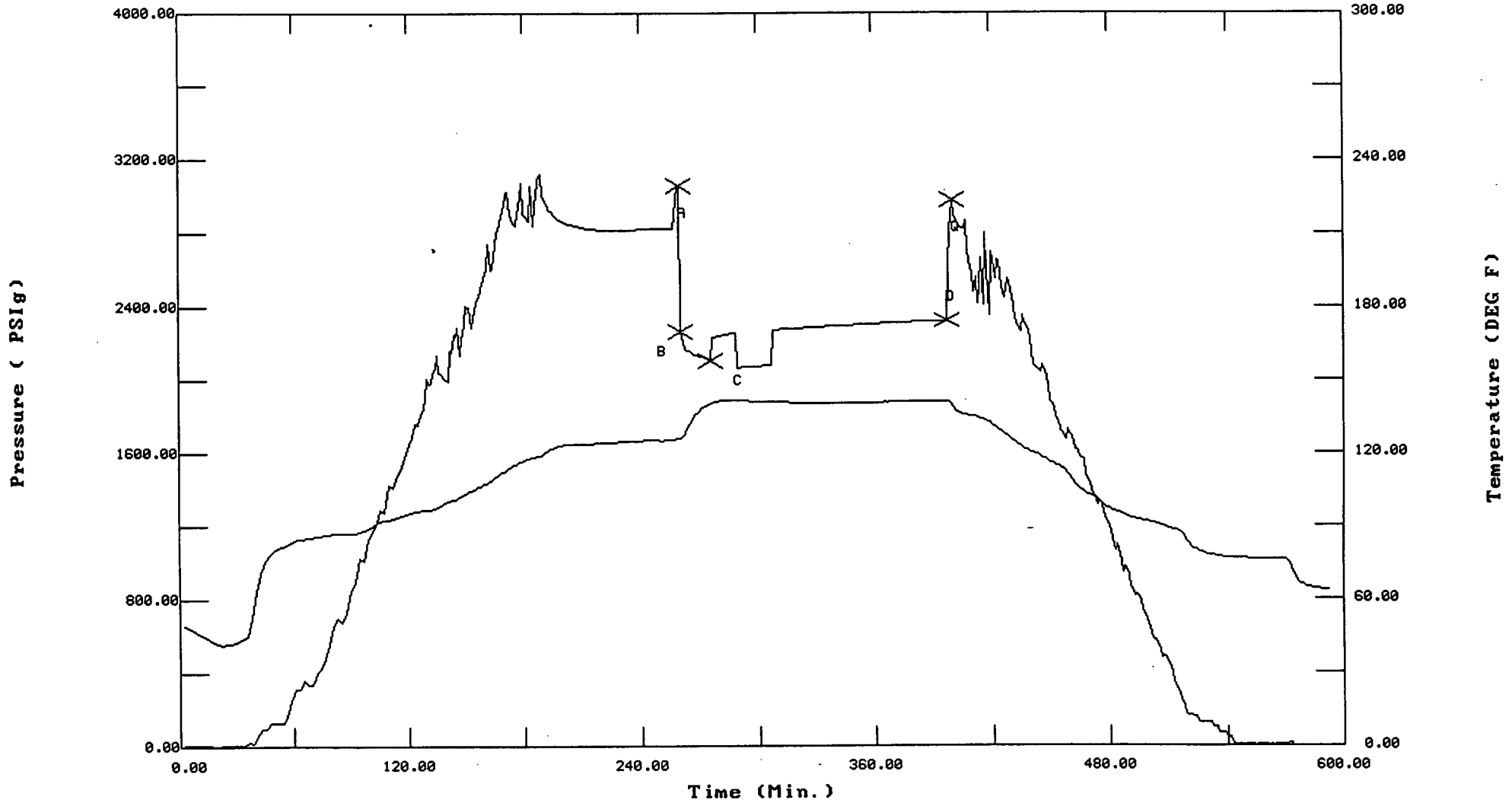
# TEST HISTORY

TK#10088 DST#1 Miller #6-34 Roberts@Murphy, Inc.

Flag Points  
t(Min.) P( PSig)

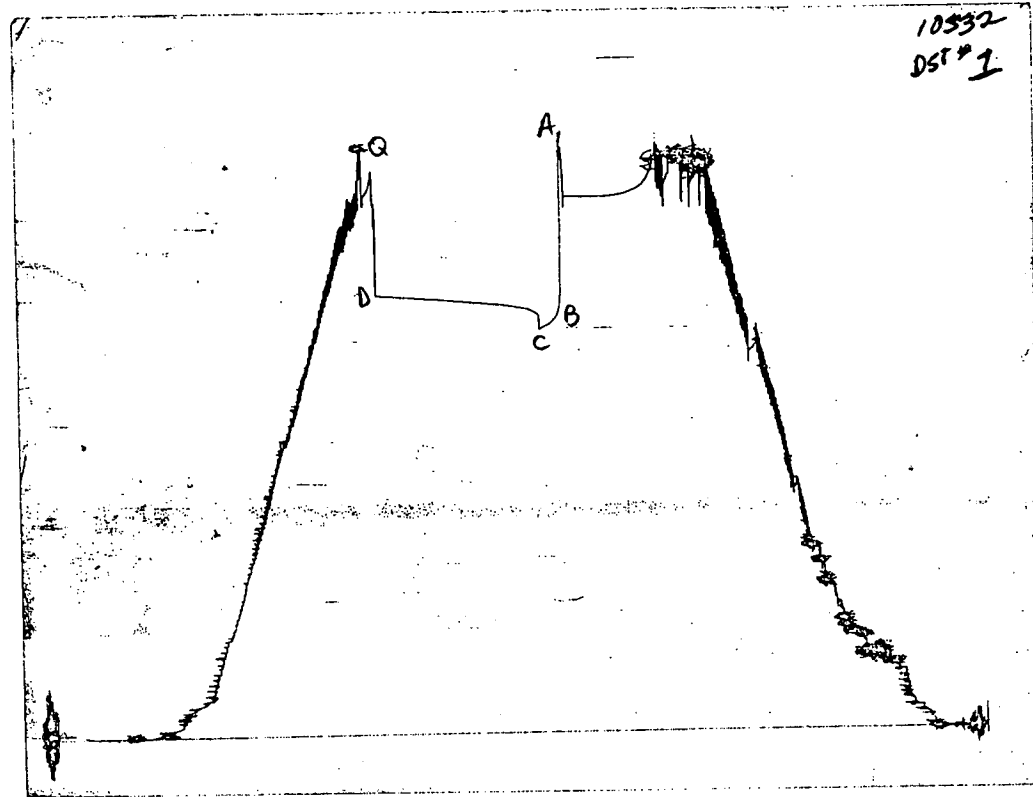
A: 0.00 3056.06  
B: 0.00 2259.92  
C: 15.00 2103.98  
D: 121.00 2323.87  
Q: 0.00 2977.00

15-033-20942-00-00



15-033-20942-00-00

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

N<sup>o</sup> 10088

Well Name & No. Miller #6-34 Test No. #1 Date 11/20/97  
 Company Roberts & Murphy, Inc. Zone Tested Viola  
 Address P.O. box 7125 Shreveport, LA. 71137-7125 Elevation 1739' KB 1726' GL  
 Co. Rep / Geo. Date Red Cont. Dutke #7 Est. Ft. of Pay      Por.     %  
 Location: Sec. 34 Twp. 345 Rge. 20 W Co. Louisiana State LA  
 No. of Copies 5 Distribution Sheet (Y, N)      Turnkey (Y, N)      Evaluation (Y, N)     

Interval Tested 6198 - 6226' Initial Str Wt./Lbs. 77000 Unseated Str Wt./Lbs. 77000  
 Anchor Length 28' Wt. Set Lbs. 20000 Wt. Pulled Loose/Lbs. 95000  
 Top Packer Depth 6193' Tool Weight 2100  
 Bottom Packer Depth 6198' Hole Size — 7 7/8"  Rubber Size — 6 3/4"   
 Total Depth 6226' Wt. Pipe Run      Drill Collar Run 268'  
 Mud Wt. 8.9<sup>4</sup> LCM 17<sup>4</sup> Vis. 48 WL 11.3 Drill Pipe Size 4 1/2 KH Ft. Run 5928  
 Blow Description IF Strong blow G.T.S 90 sec.

FF: Bled down 120 mins full tool

Recovery — Total Feet 298' GIP 5928 Ft. in DC 268 Ft. in DP 30  
 Rec. 100' Feet Of SMCBW 50% cond. 20 %gas %oil 20 %water 10 %mud  
 Rec. 150' Feet Of SMCBW 20 %gas %oil 80 %water %mud  
 Rec. 48' Feet Of SW %gas %oil 100 %water %mud  
 Rec.      Feet Of      %gas %oil %water %mud  
 Rec.      Feet Of      %gas %oil %water %mud

BHT 142° °F Gravity      °API D@      °F Corrected Gravity      °API  
 RW .1 @ 63" °F Chlorides 85,000 ppm Recovery Chlorides 5,000 ppm System

(A) Initial Hydrostatic Mud	<u>3126</u>	<u>3056</u>	PSI	Recorder No. <u>2350</u>	T-Started <u>3:36A</u>
(B) First Initial Flow Pressure	<u>2208</u>	<u>2260</u>	PSI	(depth) <u>6204'</u>	T-Open <u>8:27</u>
(C) First Final Flow Pressure	<u>2098</u>	<u>2104</u>	PSI	Recorder No. <u>10392</u>	T-Pulled <u>10:42</u>
(D) Initial Shut-in Pressure	<u>2278</u>	<u>2324</u>	PSI	(depth) <u>6223'</u>	T-Out <u>    </u>
(E) Second Initial Flow Pressure	<u>    </u>	<u>    </u>	PSI	Recorder No. <u>    </u>	<u>    </u>
(F) Second Final Flow Pressure	<u>    </u>	<u>    </u>	PSI	(depth) <u>    </u>	<u>    </u>
(G) Final Shut-in Pressure	<u>    </u>	<u>    </u>	PSI	Initial Opening <u>15</u>	Test <input checked="" type="checkbox"/>
(H) Final Hydrostatic Mud	<u>3086</u>	<u>2977</u>	PSI	Initial Shut-in <u>120</u>	Jars <input checked="" type="checkbox"/>
	<u>AK-1</u>	<u>ALPINE</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. <input checked="" type="checkbox"/>
					Other <u>    </u>

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Approved By [Signature]