

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

Operator: License # 3456

Name: AFG ENERGY, INC.

Address P.O. Box 458

**ORIGINAL**

City/State/Zip Hays, Kansas 67601

Purchaser: \_\_\_\_\_

Operator Contact Person: Ed Glassman

Phone (913)625-6374

Contractor: Name: Discovery Drilling

License: 31548

Wellsite Geologist: Ed Glassman

Designate Type of Completion

New Well  Re-Entry  Workover

Oil  SWD  SLOW  Temp. Abd.  
 Gas  ENHR  SIGW  SIGW  
 Dry  Other (Core, WSW, Expl., Cathodic, etc)

If Workover:

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

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

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

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

10/11/95 10/19/95 10/19/95  
Spud Date Date Reached TD Completion Date

API NO. 15- 165-21681 0000

County Rush

N/2 - S/2 - SW Sec. 23 Twp. 16s Rng. 18

990 Feet from  SW (circle one) Line of Section

1320 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 Dechant "B" Well # 2

Field Name Liebenthal

Producing Formation Lansing KC

Elevation: Ground 2076 KB 2084

Total Depth 3645 PBTD \_\_\_\_\_

Amount of Surface Pipe Set and Cemented at 1215 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 ALT 1 4-12-96  
(Data must be collected from the Reserve Pit) Lu

Chloride content 22,000 ppm Fluid volume 2300 bbls

Dewatering method used Evaporation

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

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

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

\_\_\_\_\_ Quarter Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S Rng. \_\_\_\_\_ E/W

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

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

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

Signature Ed Glassman

Title Geologist Date 1-11-96

Subscribed and sworn to before me this 11<sup>th</sup> day of Jan, 19 96.

Notary Public Linda K. Pfannenstiel

Date Commission Expires 2/15/96

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)

LINDA K. PFANNENSTIEL  
NOTARY PUBLIC  
STATE OF KANSAS  
My Appt. Exp. 2/15/96

Operator Name AEG ENERGY, INC

Lease Name Dechant "B" Well # 2

Sec. 23 Twp. 16S Rge. 18

County RUSH

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 if more space is needed. Attach copy of log.

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

Samples Sent to Geological Survey  Yes  No

Cores Taken  Yes  No

Electric Log Run  Yes  No  
(Submit Copy.)

List All E.Logs Run: Dual Induction,  
Compensated Density-Neutron, Micro electric,  
Radiation Guard, Cement Bond Log.

Log Formation (Top), Depth and Datum  Sample

Name	Top	Datum
Anhydrite	1206	+878
Base Anhydrite	1244	+840
Winfield	2026	+58
Brownville	2716	-632
Topeka	3058	-974
Heebner	3285	-1201
Lansing	3337	-1253
B/KC	3570	-1486
Granite Wash	3594	-1510
Granite	3599	-1515

CASING RECORD

New  Used

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

Purpose of String	Size Hole Drilled	Size Casing Set (in O.D.)	Weight Lbs./ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
Surface Pipe	12 1/4	8 5/8	28	1215	60/40 Poz	375	2%Gel&3%CC
Production	7 7/8	4 1/2	10.5	3642'	Common	200	10%salt5%gi

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
4 SPF	3530-32', 4.5"ret.@3559 pkr@3523	250HCL 15%NE	
4 SPF	3496-3501' 4.5"ret@3559 pkr 3480	None	
4 SPF	3378-3381' 4.5"ret@3390, pkr3368	500 HCL 15%NE	

TUBING RECORD	Size 2 3/8"	Set At 3335'	Packer At None	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
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Date of First, Resumed Production, SMD or Inj. 11-28-95	Producing Method <input checked="" type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)
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Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf 1.4 MMCF/D	Water Bbls.	Gas-Oil Ratio	Gravity
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Disposition of Gas:  Vented  Sold  Used on Lease  
(If vented, submit ACO-18.)

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

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

ORIGINAL

**DRILL-STEM TEST DATA**

15-165-21681-0000

<b>Well Name:</b>	DECHANT B #2			
<b>Company :</b>	AFG ENERGY INC			
<b>Location - Sec:</b>	23	<b>Twp:</b>	16S	<b>Rge:</b> 18W
<b>County:</b>	RUSH	<b>State:</b>	KS	
<b>Date:</b>	15-Oct-95			

TRILOBITE TESTING L.L.C.

OPERATOR : AFG Energy Inc  
 WELL NAME: Dechant B #2  
 LOCATION : 23-16S-18W, Rush Cty KS  
 INTERVAL : 3045.00 To 3062.00 ft

DATE 10/15/95  
 KB 2084.00 ft TICKET NO: 8088 DST #1  
 GR 0.00 ft FORMATION: Topeka  
 TD 3062.00 ft TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 15 Rec.	13339	13339	13276			PF Fr. 0940 to 0955 hr
SI 30 Range(Psi )	4025.0	4025.0	4000.0	0.0	0.0	IS Fr. 0955 to 1025 hr
SF 15 Clock(hrs)	23832	23832	25753			SF Fr. 1025 to 1040 hr
FS 30 Depth(ft )	3057.0	3057.0	3052.0	0.0	0.0	FS Fr. 1040 to 1110 hr

	Field	1	2	3	4	
A. Init Hydro	1421.0	1426.0	0.0	0.0	0.0	T STARTED hr
B. First Flow	31.0	58.0	0.0	0.0	0.0	T ON BOTM hr
Bl. Final Flow	31.0	58.0	0.0	0.0	0.0	T OPEN 0940 hr
C. In Shut-in	291.0	297.0	0.0	0.0	0.0	T PULLED 1110 hr
D. Init Flow	41.0	58.0	0.0	0.0	0.0	T OUT hr
E. Final Flow	41.0	58.0	0.0	0.0	0.0	
F. Fl Shut-in	176.0	206.0	0.0	0.0	0.0	
G. Final Hydro	1401.0	1418.0	0.0	0.0	0.0	
Inside/Outside	0	0	I			

TOOL DATA-----

Tool Wt.	0.00 lbs
Wt Set On Packer	0.00 lbs
Wt Pulled Loose	0.00 lbs
Initial Str Wt	0.00 lbs
Unseated Str Wt	0.00 lbs
Bot Choke	0.75 in
Hole Size	7.88 in
D Col. ID	2.25 in
D. Pipe ID	3.80 in
D.C. Length	30.00 ft
D.P. Length	0.00 ft

RECOVERY

Tot Fluid 40.00 ft of 30.00 ft in DC and 10.00 ft in DP  
 40.00 ft of Drilling mud

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

BLOW DESCRIPTION

Initial Blow -  
 Weak surface blow, slowly built to 4"

Final Blow -  
 Fair to strong blow built to 6"

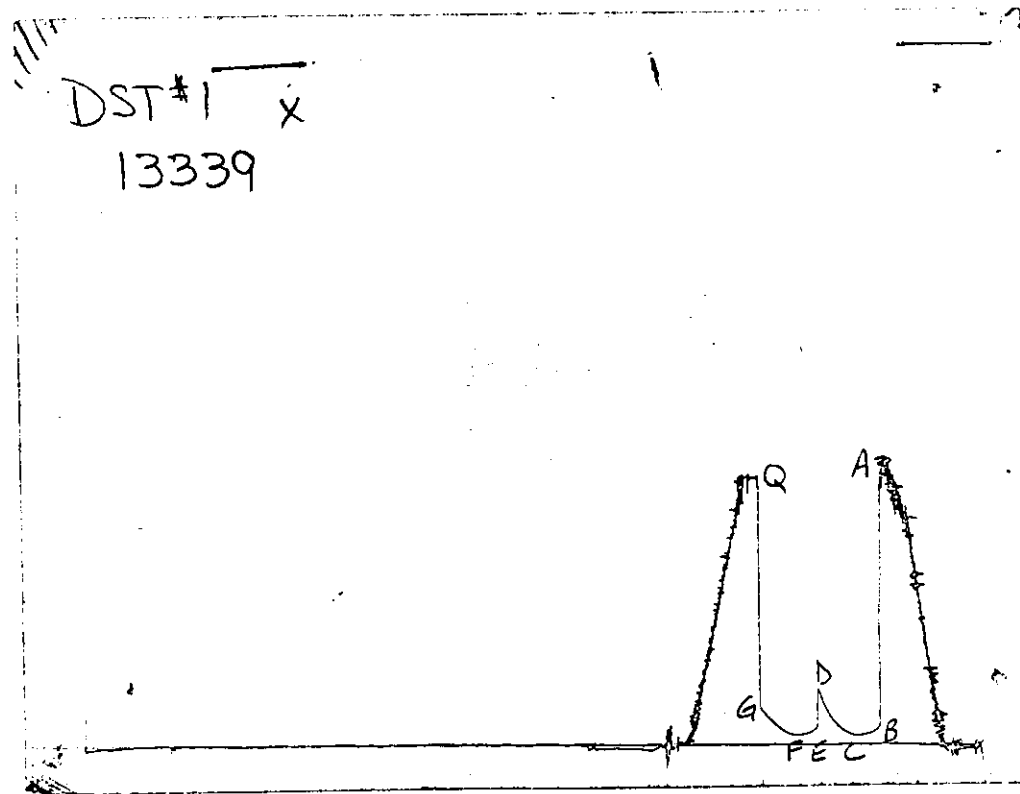
MUD DATA-----

Mud Type	Chemical
Weight	8.80 lb/c
Vis.	48.00 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	
% Porosity	0.00
Packer Size	6.75 in
No. of Packers	2
Cushion Amt.	0.00
Cushion Type	
Reversed Out	
Tool Chased	
Tester	Rod Steinbrink
Co. Rep.	Ed Glassman
Contr.	Discovery
Rig #	1
Unit #	
Pump T.	

SAMPLES:  
 SENT TO:

Test Successful: Y

CHART PAGE



This is an actual photograph of recorder chart

TRILOBITE TESTING L.L.C.

ORIGINAL

OPERATOR : AFG Energy Inc

DATE 10/16/95

WELL NAME: Dechant B #2

KB 2084.00 ft

TICKET NO: 8754

DST #2

LOCATION : 23-16S-18W, Rush Cty KS

GR 2076.00 ft

FORMATION: LKC "A"

INTERVAL : 3279.00 To 3340.00 ft

TD 3340.00 ft

TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 60 Rec.	11084	11084	13252			PF Fr. 1000 to 1100 hr
SI 60 Range(Psi )	0.0	0.0	0.0	0.0	0.0	IS Fr. 1100 to 1200 hr
SF 60 Clock(hrs)	AK-1	AK-1	AK-1			SF Fr. 1200 to 1300 hr
FS 60 Depth(ft )	3336.0	3336.0	3331.0	0.0	0.0	FS Fr. 1300 to 1400 hr

	Field	1	2	3	4	
A. Init Hydro	1658.0	1628.0	0.0	0.0	0.0	T STARTED 0900 hr
B. First Flow	115.0	123.0	0.0	0.0	0.0	T ON BOTM 0958 hr
Bl. Final Flow	115.0	124.0	0.0	0.0	0.0	T OPEN 1000 hr
C. In Shut-in	904.0	903.0	0.0	0.0	0.0	T PULLED 1400 hr
D. Init Flow	115.0	112.0	0.0	0.0	0.0	T OUT hr
E. Final Flow	115.0	117.0	0.0	0.0	0.0	
F. Fl Shut-in	904.0	902.0	0.0	0.0	0.0	
G. Final Hydro	1600.0	1616.0	0.0	0.0	0.0	
Inside/Outside	0	0	I			

TOOL DATA-----

Tool Wt.	0.00 lbs
Wt Set On Packer	20000.00 lbs
Wt Pulled Loose	40000.00 lbs
Initial Str Wt	37000.00 lbs
Unseated Str Wt	37000.00 lbs
Bot Choke	0.75 in
Hole Size	7.88 in
D Col. ID	2.25 in
D. Pipe ID	3.80 in
D.C. Length	30.00 ft
D.P. Length	3228.00 ft

RECOVERY

Tot Fluid 150.00 ft of 30.00 ft in DC and 120.00 ft in DP  
 150.00 ft of Gassy mud - 20% gas, 80% mud

3.00 ft of pay (est)  
 SALINITY 0.00 P.P.M. A.P.I. Gravity 0.00

BLOW DESCRIPTION

Initial Blow -  
 Strong, bottom of bucket in 30 sec;  
 Gas to surface in 5 min

Final Blow -  
 Strong, bottom of bucket as soon as  
 tool opened

MUD DATA-----

Mud Type	Chemical
Weight	9.00 lb/cf
Vis.	52.00 S/L
W.L.	8.00 in3
F.C.	0.00 in

Mud Drop	
Amt. of fill	0.00 ft
Btm. H. Temp.	107.00 F
Hole Condition	
% Porosity	10.00
Packer Size	6.75 in
No. of Packers	2
Cushion Amt.	0.00
Cushion Type	
Reversed Out	
Tool Chased	

SAMPLES:  
 SENT TO:

Tester Dan Bangle  
 Co. Rep. Ed Glassman  
 Contr. Discovery  
 Rig # 1  
 Unit #  
 Pump T.

Test Successful: Y

**COMPUTER GAS EVALUATION BY TRILOBITE TESTING, L.L.C.**

AFG Energy Inc

Dechant B #2  
23 16S 18W

DST # 2  
Rush COUNTY

\*\*\*\*\*  
ELEVATION: 2084 KB EST. PAY: 3 FT.  
DATUM: -1253 ZONE TESTED: LKC "A"  
TEST INTERVAL: 3279-3340 TIME INTERVALS: 60-60-60-60  
RECORDER DEPTH: 3336 VISCOSITY: 0.0128 CP  
BOTTOM HOLE TEMP: 107 HOLE SIZE: 7.875 IN  
COMPRESSIBILITY: 0.9984 GAS GRAVITY: 0.705  
\*\*\*\*\*

TEMPERATURE RANKINE: 567.00 &  
TRANSMISSIBILITY: 17648.75 Kh/%  
THEORITICAL FLOW CAPICITY: 225.90 Kh  
AVERAGE EFFECTIVE PERMEABILITY: 75.30 K(md.)  
RADIUS OF INVESTIGATION: 95.06 FT.  
DAMAGE RATIO: 4.64  
ABSOLUTE OPEN FLOW(MAX) 341.00 MCFD  
ABSOLUTE OPEN FLOW(MIN) 341.00 MCFD  
THEORITICAL OPEN FLOW(MAX) 1583.29 MCFD  
THEORITICAL OPEN FLOW(MIN) 1583.29 MCFD  
POTENTIOMETRIC SURFACE 770.40 (FT.)  
\*\*\*\*\*

INITIAL SHUT-IN VALUES:  
SLOPE 20005.00  
THEORETICAL STATIC PRESSURE 913.62

FINAL SHUT-IN VALUES:  
SLOPE 17905.10  
THEORETICAL STATIC PRESSURE 911.40

DRAWDOWN FACTOR: 0.24 (%)

# CALCULATED RECOVERY ANALYSIS

DST # 2

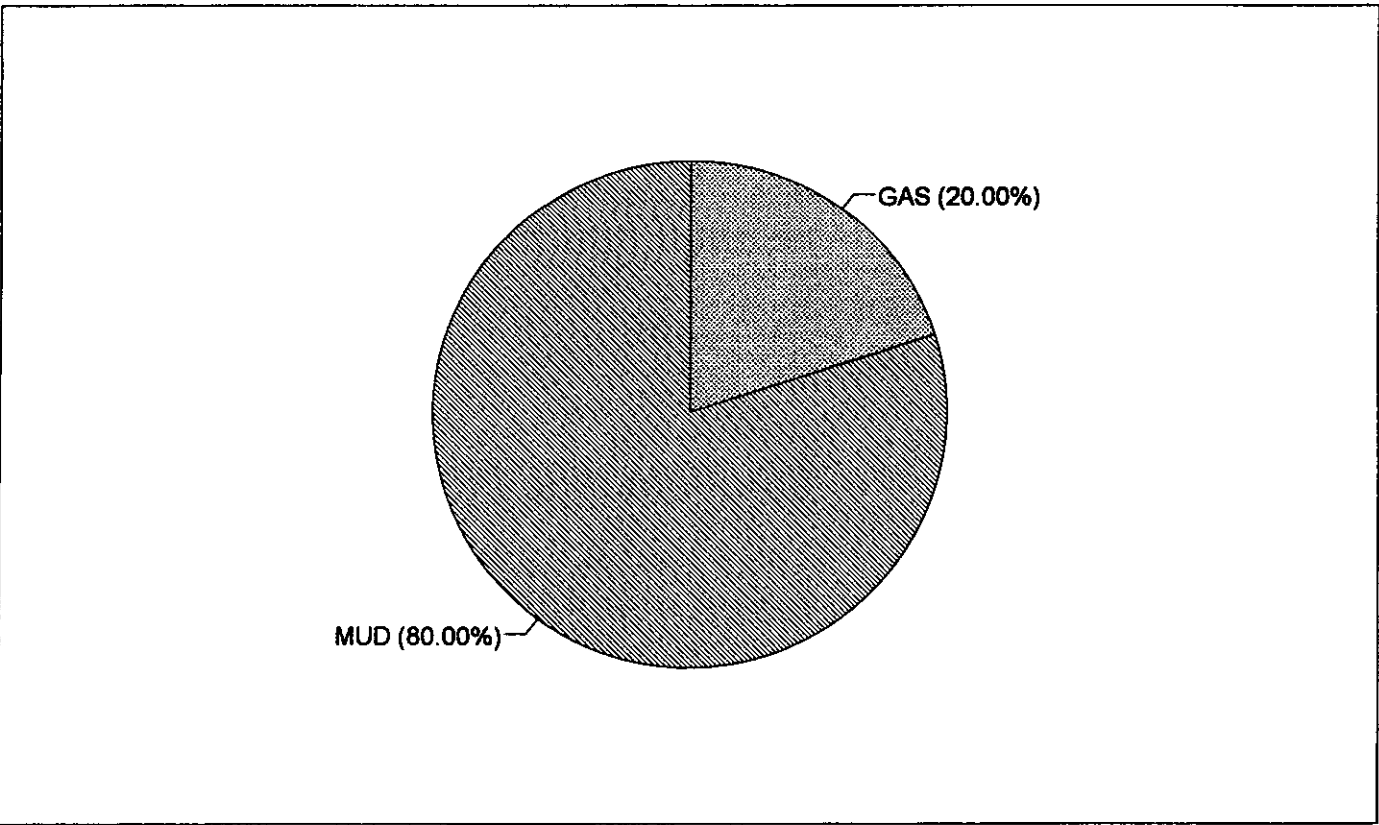
TICKET # 8754

\*\*\*\*\*

SAMPLE #	TOTAL FEET	GAS		OIL		WATER		MUD	
		%	FEET	%	FEET	%	FEET	%	FEET
DRILL PIPE	1 120	20	24	0	0	0	0	80	96
	2		0	0	0	0	0		0
	3		0	0	0	0	0		0
	4		0	0	0	0	0		0
	5		0	0	0	0	0		0
	6		0	0	0	0	0		0
WEIGHT PIPE	1		0	0	0	0	0		0
	2		0	0	0	0	0		0
	3		0	0	0	0	0		0
	4		0	0	0	0	0		0
DRL COLLAR	1 30	20	6	0	0	0	0	80	24
	2		0	0	0	0	0		0
	3		0	0	0	0	0		0
	4		0	0	0	0	0		0
	5		0	0	0	0	0		0
<b>TOTAL</b>	<b>150</b>	<b>20</b>	<b>30</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>80</b>	<b>120</b>

HRS OPE BBL/DAY

BBL OIL= 0 \* 2.00 0  
 BBL WATER= 0 \* 0  
 BBL MUD= 1.48248  
 BBL GAS = 0.37062







## 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, L.L.C.  
728 North Roosevelt  
Liberal, Kansas 67901  
Phone: 316-624-5389  
Fax: 316-626-7108

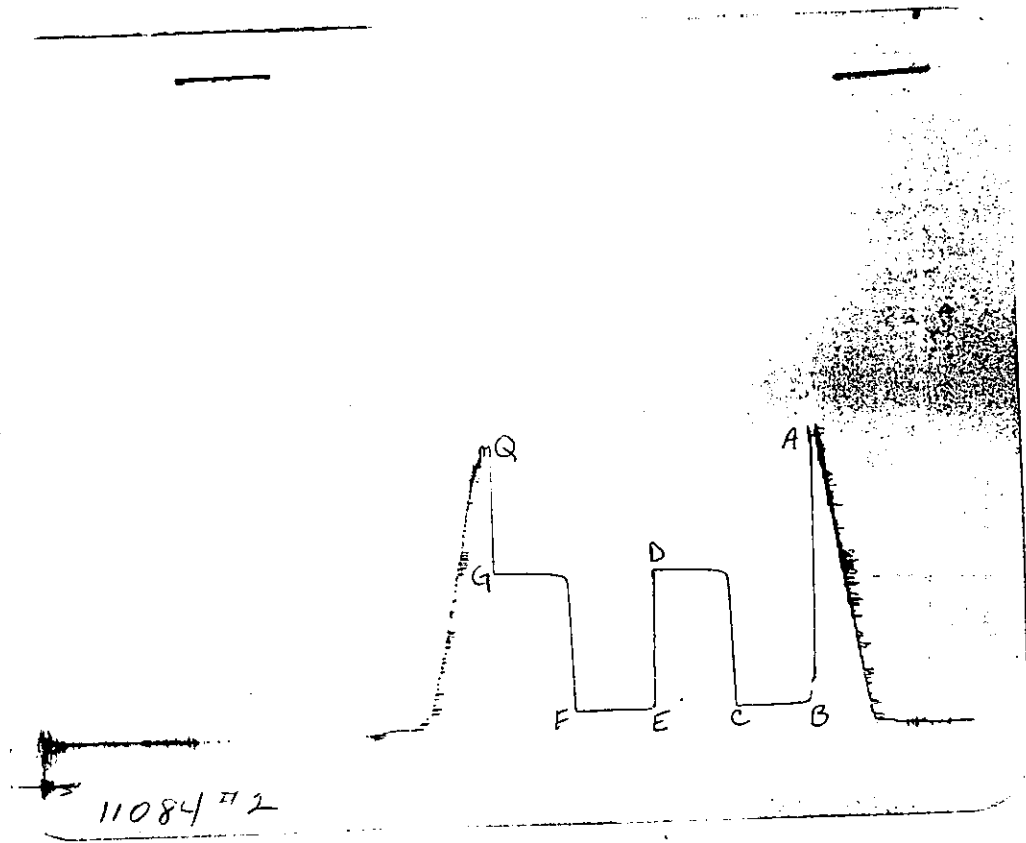
Lab Number:	950560	Analyzed:	10/17/95
Sample From:	Dechant B #2 DST 2	Pressure:	
Producer:	AFG Energy	Temperature:	
Date:		Location:	23-16-18
Time:		County:	Rush
Sampler:		State:	Kansas
Source:		Formation:	Hays

	Mole %	GPM
Helium	He: 2.233	0.000
Oxygen	O2: 0.000	0.000
Nitrogen	N2: 26.017	0.000
Carbon Dioxide	CO2: 0.000	0.000
Methane	C1: 66.259	0.000
Ethane	C2: 2.915	0.780
Propane	C3: 1.156	0.319
Iso Butane	iC4: 0.314	0.103
Normal Butane	nC4: 0.438	0.138
Iso Pentane	iC5: 0.155	0.057
Normal Pentane	nC5: 0.169	0.061
Hexanes Plus	C6+: 0.344	0.150
TOTAL:	100.000	1.607
Z Fact:	0.9984	
SP.GR.:	0.7050	
BTU (SAT):	794.1 @ 14.73 psia	
BTU (DRY):	808.2 @ 14.73 psia	
OCTANE RATING:	91.3	

COMMENTS:

0.041

CHART PAGE



This is an actual photograph of recorder chart

**INITIAL FLOW**

DST # 2  
RECORDER 11084

<u>TIME(MIN)</u>	<u>PRESSURE</u>	<u>&lt;&gt;</u> <u>PRESSURE</u>
0	122.8	122.8
3	122.8	0.0
6	122.8	0.0
9	122.8	0.0
12	122.8	0.0
15	122.8	0.0
18	122.8	0.0
21	122.8	0.0
24	122.8	0.0
27	123.9	1.1
30	123.9	0.0
33	123.9	0.0
36	123.9	0.0
39	123.9	0.0
42	123.9	0.0
45	123.9	0.0
48	123.9	0.0
51	123.9	0.0
54	123.9	0.0
57	123.9	0.0
60	123.9	0.0

**FINAL FLOW**

DST # 2  
RECORDER 11084

TIME(MIN)	PRESSURE	<> PRESSURE
0	111.8	111.8
3	111.8	0.0
6	111.8	0.0
9	111.8	0.0
12	114.02	2.2
15	114.02	0.0
18	115.12	1.1
21	115.12	0.0
24	116.2	1.1
27	117.3	1.1
30	117.3	0.0
33	117.3	0.0
36	117.3	0.0
39	117.3	0.0
42	117.3	0.0
45	117.3	0.0
48	117.3	0.0
51	117.3	0.0
54	117.3	0.0
57	117.3	0.0
60	117.3	0.0

**INITIAL SHUT-IN**

Dechant B #2

DST # 2

INITIAL FLOW TIME 60

SLOPE  
P\*

20005.0  
913.62

PSI/CYCLE  
PSI

	<u>TIME(MIN)</u>	<u>Pws (psi)</u>	Log <u>Horn T</u>	<> <u>PRESSURE</u>	<u>Horn T</u>
	3	576.87	1.322	576.9	21
	6	866.88	1.041	290.0	11
	9	878.79	0.885	11.9	8
	12	885.29	0.778	6.5	6
	15	889.62	0.699	4.3	5
	18	891.78	0.637	2.2	4
	21	892.87	0.586	1.1	4
	24	893.95	0.544	1.1	4
Q	27	895.03	0.508	1.1	3
	30	897.20	0.477	2.2	3
	33	898.28	0.450	1.1	3
	36	898.28	0.426	0.0	3
	39	899.36	0.405	1.1	3
	42	900.44	0.385	1.1	2
	45	900.44	0.368	0.0	2
	48	900.44	0.352	0.0	2
	51	901.53	0.338	1.1	2
	54	901.53	0.325	0.0	2
	57	901.53	0.312	0.0	2
X	60	902.61	0.301	1.1	2

**FINAL SHUT-IN**

Dechant B #2

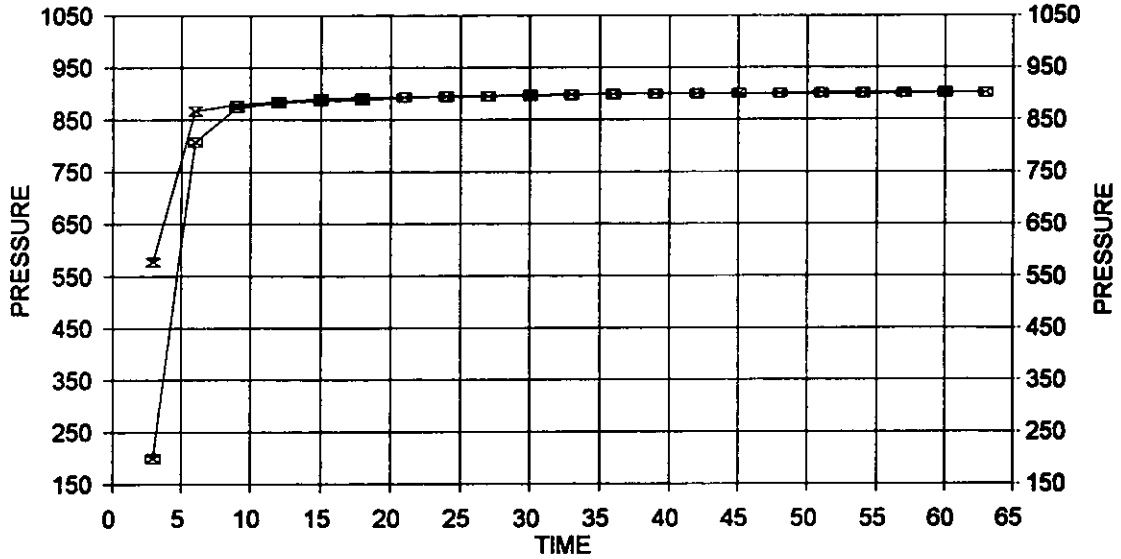
DST # 2

TOTAL FLOW TIME 120

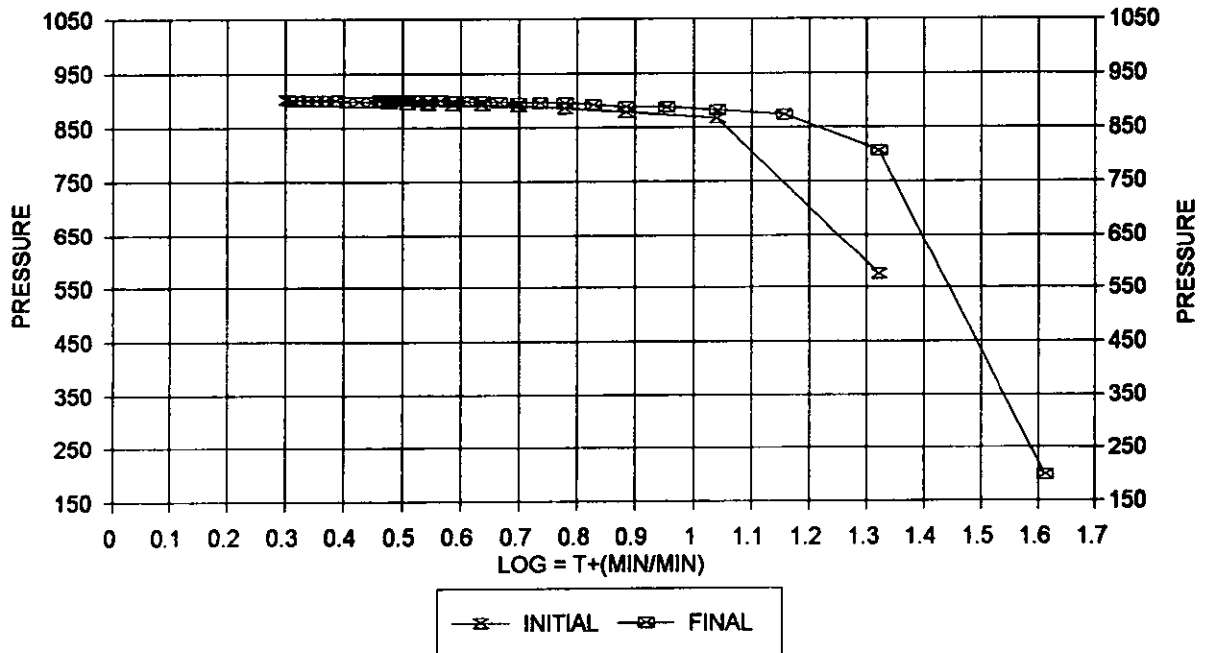
SLOPE 17905.1 PSI/CYCLE  
P\* 911.40 PSI

	<u>TIME(MIN)</u>	<u>Pws (psi)</u>	<u>Log Hom T</u>	<u>&lt;&gt; PRESSURE</u>	<u>Hom T</u>
	3	199.55	1.613	199.6	41
	6	807.38	1.322	607.8	21
	9	873.37	1.156	66.0	14
	12	882.04	1.041	8.7	11
	15	887.45	0.954	5.4	9
	18	888.53	0.885	1.1	8
	21	892.87	0.827	4.3	7
	24	896.11	0.778	3.2	6
	27	896.11	0.736	0.0	5
	30	896.11	0.699	0.0	5
Q	33	897.20	0.666	1.1	5
	36	899.36	0.637	2.2	4
	39	899.36	0.610	0.0	4
	42	899.36	0.586	0.0	4
	45	900.44	0.564	1.1	4
	48	900.44	0.544	0.0	4
	51	900.44	0.525	0.0	3
	54	900.44	0.508	-0.0	3
	57	900.44	0.492	0.0	3
	60	901.53	0.477	1.1	3
X	63	901.53	0.463	0.0	3

### DELTA T DELTA P DECHANT B #2 / DST#2



### HORNER PLOT





TRILOBITE TESTING L.L.C.

OPERATOR : AFG Energy Inc DATE 10/16/95  
 WELL NAME: Dechant B #2 KB 2084.00 ft TICKET NO: 8755 DST #3  
 LOCATION : 23-16S-18W, Rush Cty KS GR 2076.00 ft FORMATION: LKC "C"  
 INTERVAL : 3348.00 To 3360.00 ft TD 3360.00 ft TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 60 Rec.	13252	13252	11084			PF Fr. 2215 to 2315 hr
SI 60 Range(Psi )	0.0	0.0	0.0	0.0	0.0	IS Fr. 2315 to 0015 hr
SF 60 Clock(hrs)	AK-1	AK-1	AK-1			SF Fr. 0015 to 0115 hr
FS 60 Depth(ft )	3352.0	3352.0	3356.0	0.0	0.0	FS Fr. 0115 to 0215 hr

	Field	1	2	3	4	
A. Init Hydro	1646.0	1642.0	0.0	0.0	0.0	T STARTED 2115 hr
B. First Flow	46.0	45.0	0.0	0.0	0.0	T ON BOTM 2213 hr
B1. Final Flow	46.0	51.0	0.0	0.0	0.0	T OPEN 2215 hr
C. In Shut-in	745.0	740.0	0.0	0.0	0.0	T PULLED 0215 hr
D. Init Flow	46.0	47.0	0.0	0.0	0.0	T OUT 0315 hr
E. Final Flow	46.0	41.0	0.0	0.0	0.0	
F. Fl Shut-in	722.0	735.0	0.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	1600.0	1619.0	0.0	0.0	0.0	Tool Wt. 0.00 lbs
Inside/Outside	I	I	O			Wt Set On Packer 20000.00 lbs

RECOVERY

Tot Fluid	5.00 ft of	5.00 ft in DC and	0.00 ft in DP	Unseated Str Wt	37000.00 lbs
5.00	ft of Gassy mud - 20% gas, 80% mud			Bot Choke	0.75 in
				Hole Size	7.88 in
				D Col. ID	2.25 in
				D. Pipe ID	3.80 in
				D.C. Length	30.00 ft
				D.P. Length	3297.00 ft

3.00 ft of pay (est)  
 SALINITY 0.00 P.P.M. A.P.I. Gravity 0.00

BLOW DESCRIPTION

Initial Blow -  
 Strong, bottom of bucket in 30 sec;  
 Gas to surface in 5 min

Final Blow -  
 Strong, bottom of bucket as soon as  
 tool opened

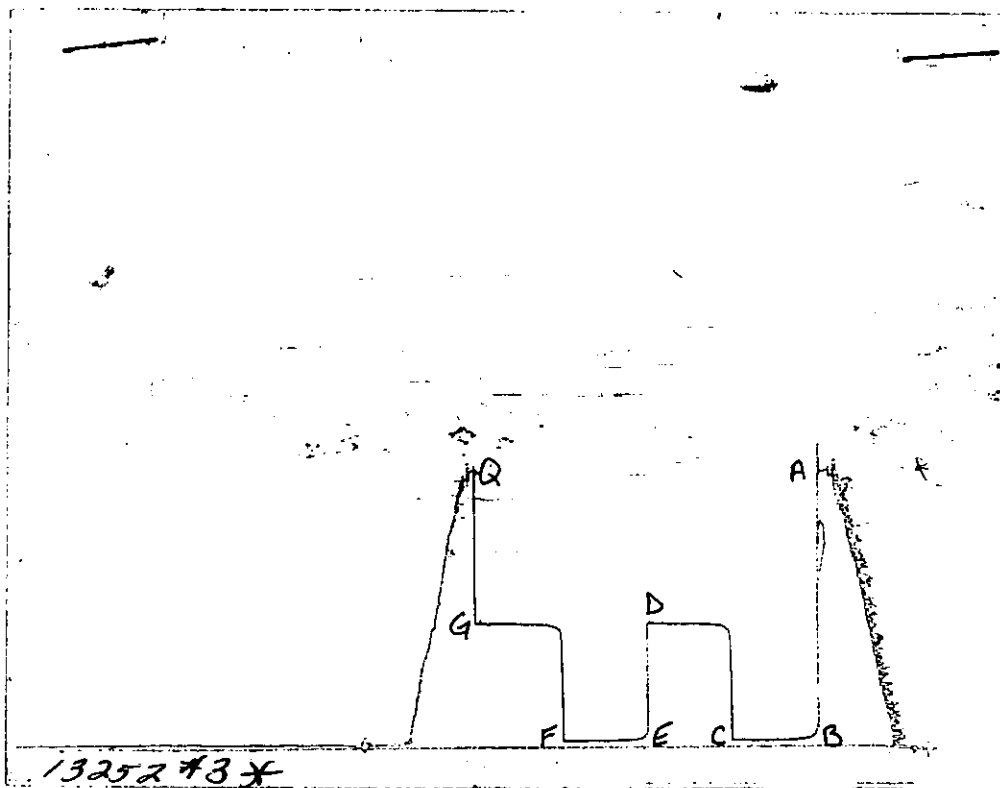
MUD DATA-----

Mud Type	Chemical
Weight	9.00 lb/cf
Vis.	52.00 S/L
W.L.	8.00 in3
F.C.	0.00 in
Mud Drop	
Amt. of fill	0.00 ft
Btm. H. Temp.	107.00 F
Hole Condition	
% Porosity	15.00
Packer Size	6.75 in
No. of Packers	2
Cushion Amt.	0.00
Cushion Type	
Reversed Out	
Tool Chased	
Tester	Dan Bangle
Co. Rep.	Ed Glassman
Contr.	Discovery
Rig #	1
Unit #	
Pump T.	

SAMPLES:  
 SENT TO:

Test Successful: Y

CHART PAGE



This is an actual photograph of recorder chart

# CALCULATED RECOVERY ANALYSIS DRILL COLLARS

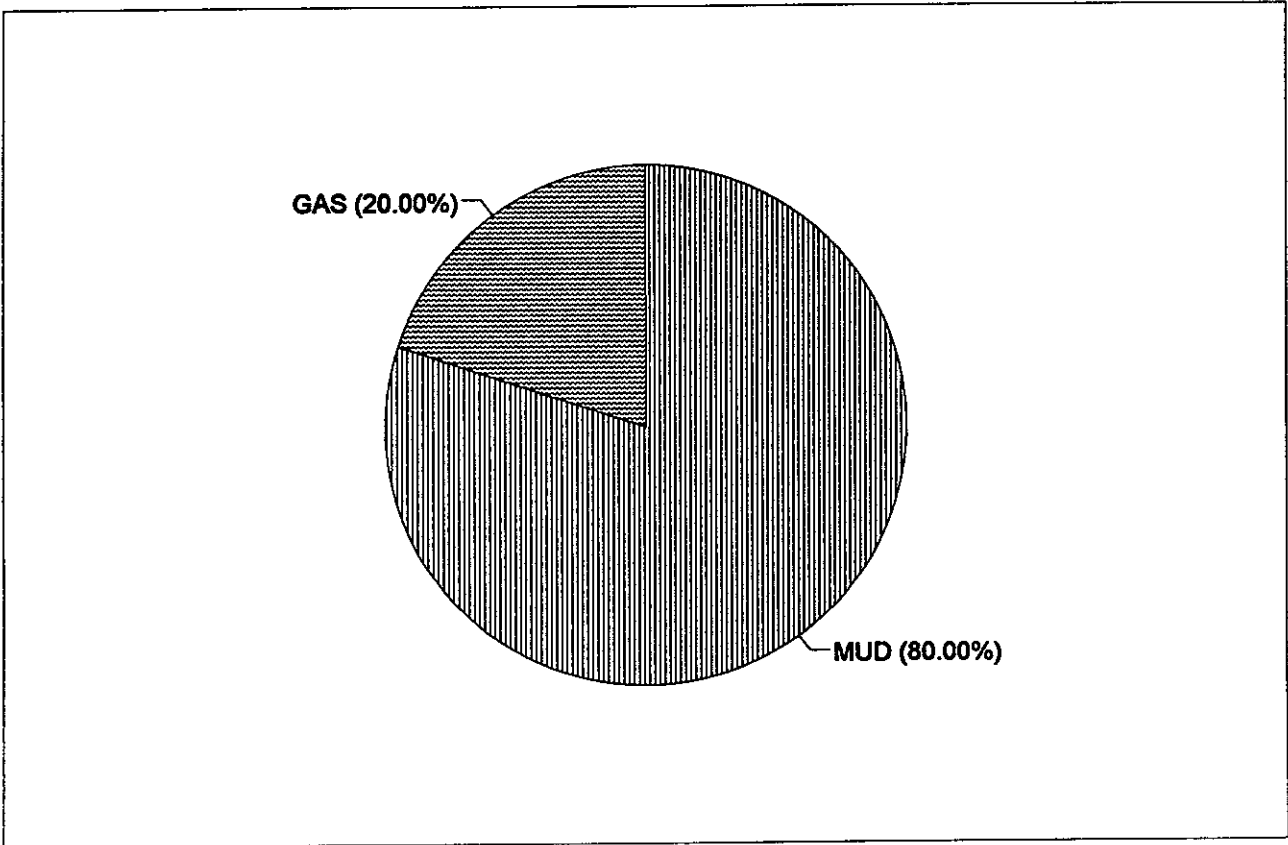
DST # 3

TICKET # 8755

\*\*\*\*\*

SAMPLE #	TOTAL FEET	GAS		OIL		WATER		MUD	
		%	FEET	%	FEET	%	FEET	%	FEET
1	5	20	1	0	0	0	0	80	4
2			0	0	0	0	0		0
3			0	0	0	0	0		0
4			0	0	0	0	0		0
5			0	0	0	0	0		0
<b>TOTAL</b>	<b>5</b>	<b>20.00</b>	<b>1</b>	<b>0.00</b>	<b>0</b>	<b>0.00</b>	<b>0</b>	<b>80</b>	<b>4</b>

			<b>HRS OPEN</b>	<b>BBL/DAY</b>
BBL OIL=	0	*	2.00	0
BBL WATER	0	*		0
BBL MUD=	0.01956			
BBL GAS=	0.00489			





ORIGINAL

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, L.L.C.  
 728 North Roosevelt  
 Liberal, Kansas 67901  
 Phone: 316-624-5389  
 Fax: 316-626-7108

Lab Number:	950563	Analyzed:	10/18/95
Sample From:	Dechant B #2 DST 3	Pressure:	
Producer:	AFG Energy	Temperature:	
Date:		Location:	23-16-18
Time:		County:	Rush
Sampler:		State:	Kansas
Source:		Formation:	KC

	Mole %	GPM
Helium	He: 2.216	0.000
Oxygen	O2: 0.000	0.000
Nitrogen	N2: 25.732	0.000
Carbon Dioxide	CO2: 0.167	0.000
Methane	C1: 65.879	0.000
Ethane	C2: 2.984	0.798
Propane	C3: 1.268	0.349
Iso Butane	iC4: 0.343	0.112
Normal Butane	nC4: 0.472	0.149
Iso Pentane	iC5: 0.160	0.059
Normal Pentane	nC5: 0.164	0.059
Hexanes Plus	C6+: 0.615	0.268
TOTAL:	100.000	1.795
Z Fact:	0.9983	
SP.GR.:	0.7151	
BTU (SAT):	810.1 @ 14.73 psia	
BTU (DRY):	824.5 @ 14.73 psia	
OCTANE RATING:	91.0	

COMMENTS:

0.000

COMPUTER GAS EVALUATION BY TRILOBITE TESTING, L.L.C.  
AFG ENERGY INC

DECHANT B #2  
23 16S 18W

DST # 3  
RUSH COUNTY

\*\*\*\*\*  
ELEVATION: 2084 KB EST. PAY: 3 FT.  
DATUM: -1269 ZONE TESTED: LKC  
TEST INTERVAL: 3348-3360 TIME INTERVALS: 60-60-60-60  
RECORDER DEPTH: 3352 VISCOSITY: 0.0124 CP  
BOTTOM HOLE TEMP: 107 HOLE SIZE: 7.875 IN  
COMPRESSIBILITY: 0.9983 GAS GRAVITY: 0.7151  
\*\*\*\*\*

TEMPERATURE RANKINE: 567.00 &  
TRANSMISSIBILITY: 15365.43 Kh/%  
THEORITICAL FLOW CAPICITY: 190.53 Kh  
AVERAGE EFFECTIVE PERMEABILITY: 63.51 K(md.)  
RADIUS OF INVESTIGATION: 87.30 FT.  
DAMAGE RATIO: 6.68  
ABSOLUTE OPEN FLOW(MAX) 141.00 MCFD  
ABSOLUTE OPEN FLOW(MIN) 141.00 MCFD  
THEORITICAL OPEN FLOW(MAX) 942.06 MCFD  
THEORITICAL OPEN FLOW(MIN) 942.06 MCFD  
POTENTIOMETRIC SURFACE 376.35 (FT.)  
\*\*\*\*\*

INITIAL SHUT-IN VALUES:  
SLOPE 4029.50  
THEORETICAL STATIC PRESSURE 742.53

FINAL SHUT-IN VALUES:  
SLOPE 8502.90  
THEORETICAL STATIC PRESSURE 741.03

DRAWDOWN FACTOR: 0.20 (%)

**INITIAL FLOW**

DST # 3

RECORDER 13252

<u>TIME(MIN)</u>	<u>PRESSURE</u>	<u>PRESSURE</u>
0	44.93	44.9
3	44.93	0.0
6	44.93	0.0
9	44.93	0.0
12	44.93	0.0
15	44.93	0.0
18	44.93	0.0
21	44.93	0.0
24	44.93	0.0
27	44.93	0.0
30	44.93	0.0
33	44.93	0.0
36	44.93	0.0
39	44.93	0.0
42	44.93	0.0
45	44.93	0.0
48	46.08	1.2
51	46.08	0.0
54	47.23	1.2
57	48.38	1.2
60	49.54	1.2
63	50.69	1.2
66	50.69	0.0

**FINAL FLOW**

DST # 3

RECORDER 13252

		<>
TIME(MIN)	PRESSURE	PRESSURE
0	47.23	47.2
3	47.23	0.0
6	47.23	0.0
9	47.23	0.0
12	46.08	-1.2
15	46.08	0.0
18	46.08	0.0
21	44.93	-1.2
24	44.93	0.0
27	43.78	-1.2
30	42.62	-1.2
33	41.47	-1.2
36	40.32	-1.2
39	40.32	0.0
42	41.47	1.2
45	41.47	0.0
48	41.47	0.0
51	41.47	0.0
54	41.47	0.0
57	41.47	0.0
60	41.47	0.0
63	41.47	0.0



**INITIAL SHUT-IN**

DECHANT B #2

DST # 3

INITIAL FLOW TIME 60

SLOPE  
P\*

4029.5  
742.53

PSI/CYCLE  
PSI

	<u>TIME(MIN)</u>	<u>Pws (psi)</u>	<u>Log Hom T</u>	<u>&lt;&gt; PRESSURE</u>	<u>Hom T</u>
	KK	702.29	ERR	702.3	ERR
	6	713.67	1.041	11.4	11
	9	727.31	0.885	13.6	8
	12	734.13	0.778	6.8	6
	15	737.54	0.699	3.4	5
	18	738.68	0.637	1.1	4
	21	738.68	0.586	0.0	4
	24	738.68	0.544	0.0	4
	27	738.68	0.508	0.0	3
	30	738.68	0.477	0.0	3
	33	738.68	0.450	0.0	3
	36	738.68	0.426	0.0	3
	39	738.68	0.405	0.0	3
Q	42	738.68	0.385	0.0	2
	45	739.81	0.368	1.1	2
	48	739.81	0.352	0.0	2
	51	739.81	0.338	0.0	2
	54	739.81	0.325	0.0	2
	57	739.81	0.312	0.0	2
	60	739.81	0.301	0.0	2
	63	739.81	0.291	0.0	2
	66	739.81	0.281	0.0	2
X	69	739.81	0.272	0.0	2

**FINAL SHUT-IN**

DECHANT B #2

DST # 3

TOTAL FLOW TIME 120

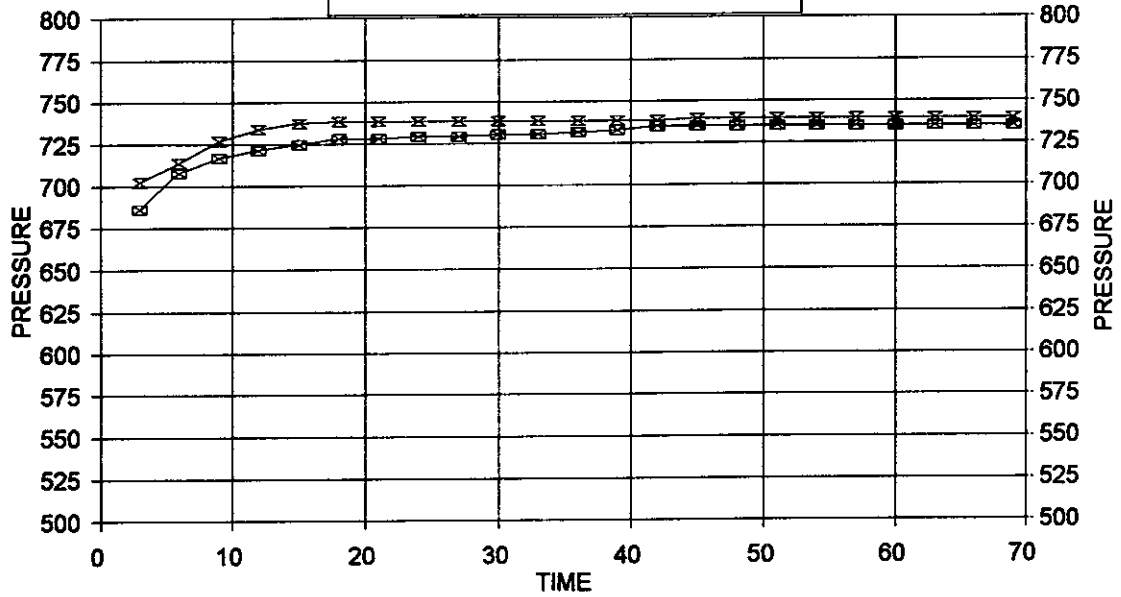
SLOPE  
P\*

8502.9  
741.03

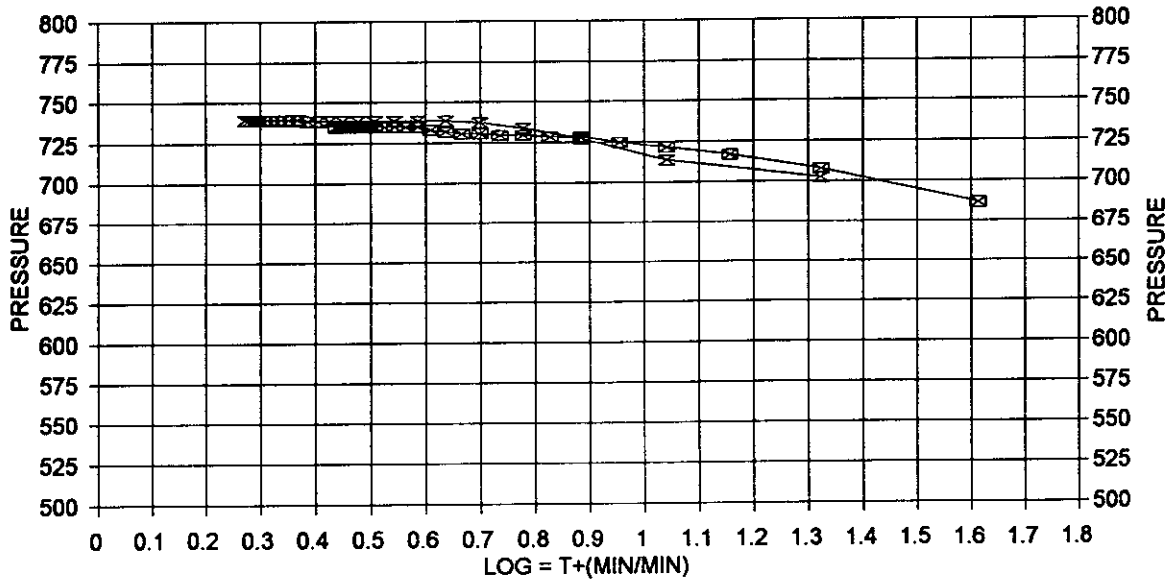
PSI/CYCLE  
PSI

	<u>TIME(MIN)</u>	<u>Pws (psi)</u>	<u>Log Hom T</u>	<u>&lt;&gt; PRESSURE</u>	<u>Hom T</u>
	3	686.37	1.613	686.4	41
	6	707.98	1.322	21.6	21
	9	717.08	1.156	9.1	14
	12	721.63	1.041	4.5	11
	15	725.04	0.954	3.4	9
	18	728.45	0.885	3.4	8
	21	728.45	0.827	0.0	7
	24	729.58	0.778	1.1	6
	27	729.58	0.736	0.0	5
	30	730.72	0.699	1.1	5
	33	730.72	0.666	0.0	5
	36	731.86	0.637	1.1	4
Q	39	732.99	0.610	1.1	4
	42	735.27	0.586	2.3	4
	45	735.27	0.564	0.0	4
	48	735.27	0.544	0.0	4
	51	735.27	0.525	0.0	3
	54	735.27	0.508	0.0	3
	57	735.27	0.492	0.0	3
	60	735.27	0.477	0.0	3
	63	735.27	0.463	0.0	3
	66	735.27	0.450	0.0	3
X	69	735.27	0.438	0.0	3

### DELTA T DELTA P DECHANT B #2 / DST #3



### HORNER PLOT



—x— INITIAL    —o— FINAL

TRILOBITE TESTING L.L.C.

OPERATOR : AFG Energy Inc DATE 10/17/95  
 WELL NAME: Dechant B #2 KB 2084.00 ft TICKET NO: 8756 DST #4  
 LOCATION : 23-16S-18W, Rush Cty KS GR 2076.00 ft FORMATION: LKC  
 INTERVAL : 3396.00 To 3442.00 ft TD 3442.00 ft TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins		Field	1	2	3	4	TIME DATA-----
PF 15	Rec.	13252	13252	11084			PF Fr. 1417 to 1432 hr
SI 15	Range(Psi )	0.0	0.0	0.0	0.0	0.0	IS Fr. 1432 to 1447 hr
SF 15	Clock(hrs)	AK-1	AK-1	AK-1			SF Fr. 1447 to 1502 hr
FS 15	Depth(ft )	3432.0	3432.0	3438.0	0.0	0.0	FS Fr. 1502 to 1517 hr

	Field	1	2	3	4	
A. Init Hydro	1704.0	1693.0	0.0	0.0	0.0	T STARTED 1330 hr
B. First Flow	57.0	54.0	0.0	0.0	0.0	T ON BOTM 1415 hr
B1. Final Flow	57.0	54.0	0.0	0.0	0.0	T OPEN 1417 hr
C. In Shut-in	126.0	127.0	0.0	0.0	0.0	T PULLED 1517 hr
D. Init Flow	57.0	63.0	0.0	0.0	0.0	T OUT hr
E. Final Flow	57.0	63.0	0.0	0.0	0.0	
F. Fl Shut-in	92.0	88.0	0.0	0.0	0.0	
G. Final Hydro	1669.0	1674.0	0.0	0.0	0.0	
Inside/Outside	I	I	O			

TOOL DATA-----  
 Tool Wt. 0.00 lbs  
 Wt Set On Packer 20000.00 lbs  
 Wt Pulled Loose 40000.00 lbs  
 Initial Str Wt 37000.00 lbs  
 Unseated Str Wt 37000.00 lbs  
 Bot Choke 0.75 in  
 Hole Size 7.88 in  
 D Col. ID 2.25 in  
 D. Pipe ID 3.80 in  
 D.C. Length 30.00 ft  
 D.P. Length 3345.00 ft

RECOVERY

Tot Fluid 20.00 ft of 20.00 ft in DC and 0.00 ft in DP  
 20.00 ft of Drilling mud

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

BLOW DESCRIPTION

Initial Blow -  
 Weak, steady surface blow

Final Blow -  
 Weak, steady surface blow, flushed tool

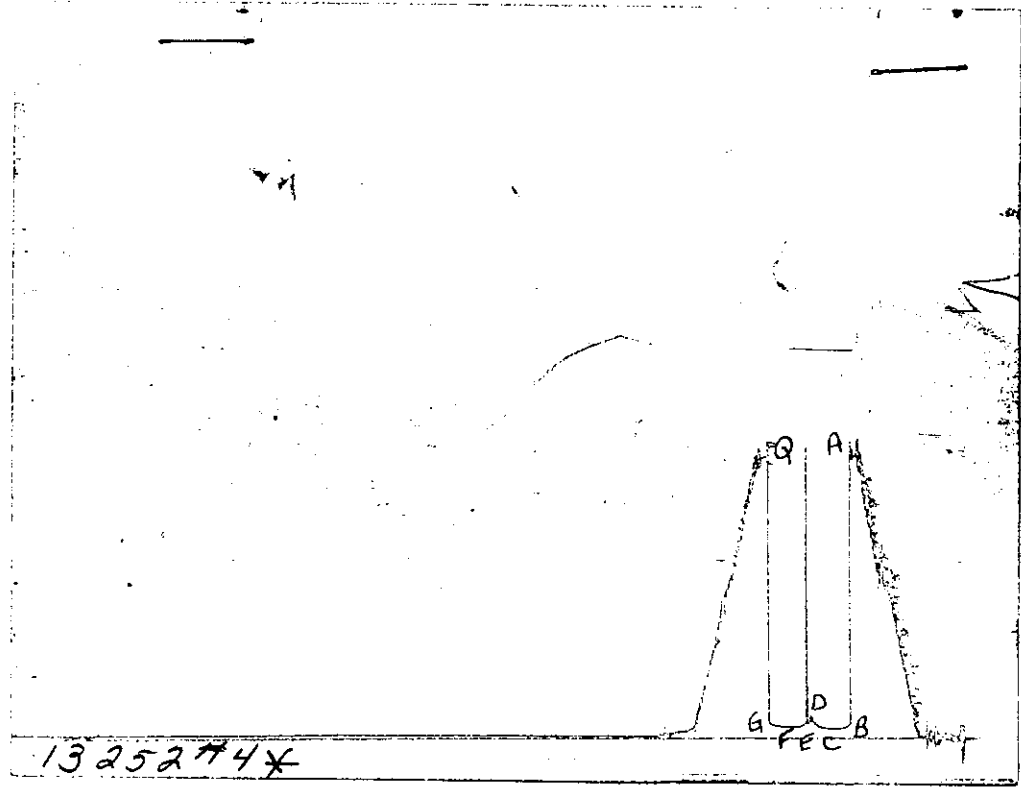
SAMPLES:  
 SENT TO:

MUD DATA-----  
 Mud Type Chemical  
 Weight 9.00 lb/c  
 Vis. 46.00 S/L  
 W.L. 8.80 in<sup>3</sup>  
 F.C. 0.00 in  
 Mud Drop

Amt. of fill 0.00 ft  
 Btm. H. Temp. 108.00 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 Dan Bangle  
 Co. Rep. Ed Glassman  
 Contr. Discovery  
 Rig # 1  
 Unit #  
 Pump T.

Test Successful: Y

CHART PAGE



This is an actual photograph of recorder chart

TRILOBITE TESTING L.L.C.

OPERATOR : AFG Energy Inc  
 WELL NAME: Dechant B #2  
 LOCATION : 23-16S-18W, Rush Cty KS  
 INTERVAL : 3478.00 To 3500.00 ft

DATE 10/18/95

KB 2084.00 ft TICKET NO: 8757 DST #5  
 GR 2076.00 ft FORMATION: LKC  
 TD 3500.00 ft TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 30 Rec.	13252	13252	11084			PF Fr. 0255 to 0325 hr
SI 30 Range(Psi )	0.0	0.0	0.0	0.0	0.0	IS Fr. 0325 to 0355 hr
SF 30 Clock(hrs)	AK-1	AK-1	AK-1			SF Fr. 0355 to 0425 hr
FS 30 Depth(ft )	3491.0	3491.0	3496.0	0.0	0.0	FS Fr. 0425 to 0455 hr

	Field	1	2	3	4	
A. Init Hydro	1784.0	1792.0	0.0	0.0	0.0	T STARTED 0155 hr
B. First Flow	57.0	47.0	0.0	0.0	0.0	T ON BOTM 0253 hr
B1. Final Flow	57.0	47.0	0.0	0.0	0.0	T OPEN 0255 hr
C. In Shut-in	802.0	789.0	0.0	0.0	0.0	T PULLED 0455 hr
D. Init Flow	57.0	59.0	0.0	0.0	0.0	T OUT 0615 hr
E. Final Flow	57.0	59.0	0.0	0.0	0.0	
F. Fl Shut-in	745.0	743.0	0.0	0.0	0.0	
G. Final Hydro	1761.0	1750.0	0.0	0.0	0.0	
Inside/Outside	I	I	O			

TOOL DATA-----

Tool Wt.	0.00 lbs
Wt Set On Packer	20000.00 lbs
Wt Pulled Loose	0.00 lbs
Initial Str Wt	40000.00 lbs
Unseated Str Wt	0.00 lbs
Bot Choke	0.75 in
Hole Size	7.88 in
D Col. ID	2.25 in
D. Pipe ID	3.80 in
D.C. Length	30.00 ft
D.P. Length	3427.00 ft

RECOVERY

Tot Fluid 80.00 ft of 30.00 ft in DC and 50.00 ft in DP  
 5.00 ft of Clean oil - 100% oil  
 75.00 ft of Oil cut mud - 5% oil, 95% mud

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

BLOW DESCRIPTION

Initial Blow -  
 Weak, building to 6" fair blow

Final Blow -  
 Weak, building to 3" fair blow

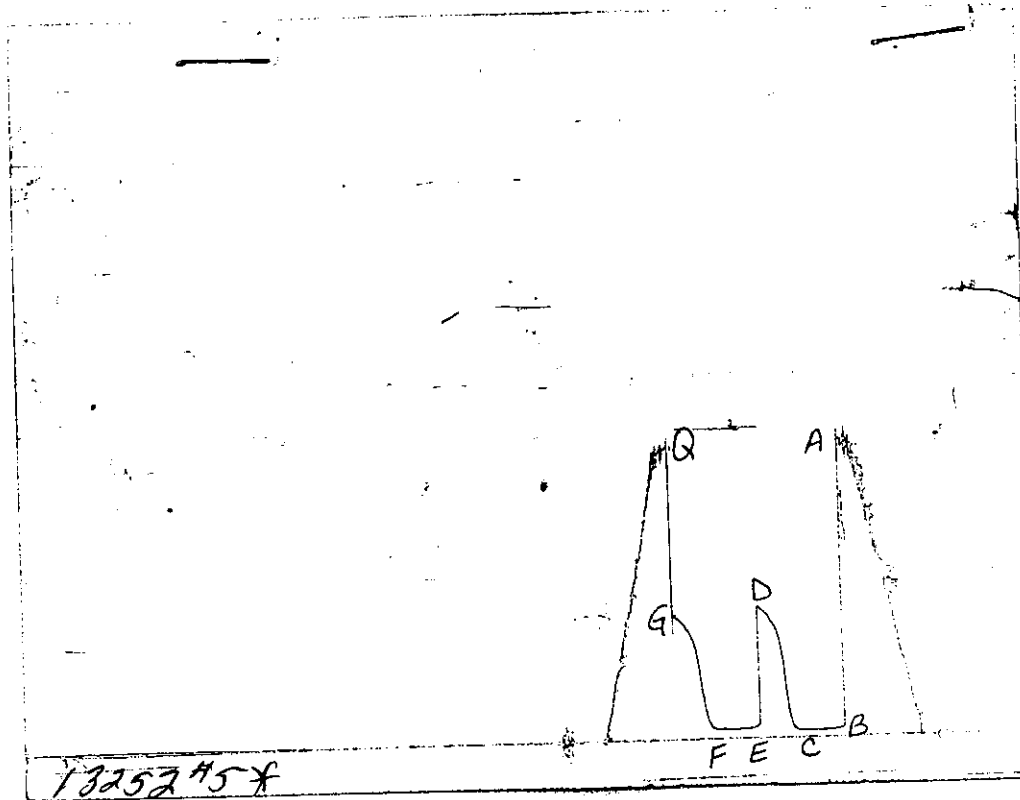
SAMPLES:  
 SENT TO:

MUD DATA-----

Mud Type	Chemical
Weight	9.00 lb/c
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.	110.00 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	Dan Bangle
Co. Rep.	Ed Glassman
Contr.	Discovery
Rig #	1
Unit #	
Pump T.	

Test Successful: Y

CHART PAGE



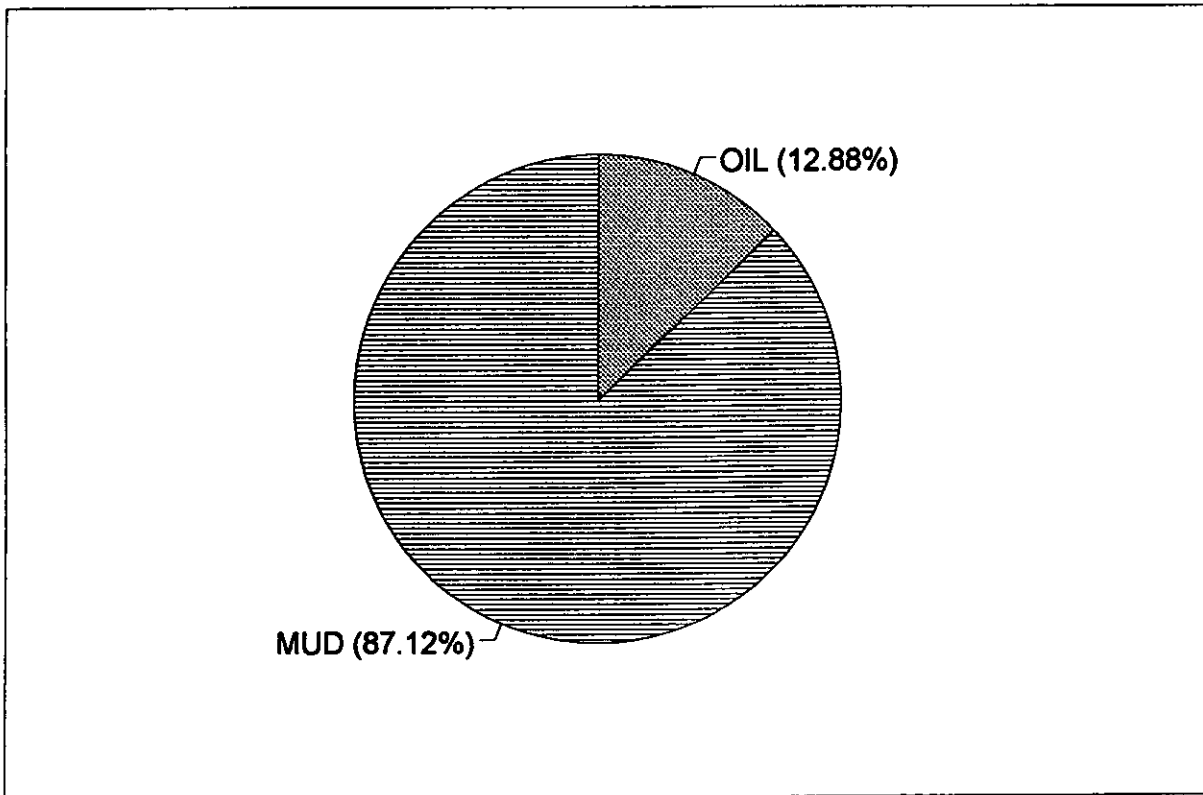
This is an actual photograph of recorder chart

# CALCULATED RECOVERY ANALYSIS

DST # 5

TICKET # 8757

SAMPLE #	TOTAL FEET	GAS		OIL		WATER		MUD		
		%	FEET	%	FEET	%	FEET	%	FEET	
DRILL PIPE	1	5	0	100	5	0	0	0	0	
	2	45	0	5	2.25	0	0	95	42.75	
	3		0		0	0	0		0	
	4		0		0	0	0		0	
	5		0		0	0	0		0	
	6		0		0	0	0		0	
WEIGHT PIPE	1		0		0	0	0		0	
	2		0		0	0	0		0	
	3		0		0	0	0		0	
	4		0		0	0	0		0	
DRL COLLAR	1	30	0	5	1.5	0	0	95	28.5	
	2		0		0	0	0		0	
	3		0		0	0	0		0	
	4		0		0	0	0		0	
	5		0		0	0	0		0	
<b>TOTAL</b>		<b>80</b>	<b>0</b>	<b>0</b>	<b>10.9375</b>	<b>8.75</b>	<b>0</b>	<b>0</b>	<b>89.0625</b>	<b>71.25</b>
HRS OPE BBL/DAY										
BBL OIL=	0.11043	*		1.00	2.65032					
BBL WATER=	0	*			0					
BBL MUD=	0.74727									
BBL GAS =	0									





TRILOBITE TESTING L.L.C.

OPERATOR : AFG Energy Inc

DATE 10/18/95+

WELL NAME: Dechant B #2

KB 2084.00 ft

TICKET NO: 8758

DST #6

LOCATION : 23-16S-18W, Rush Cty KS

GR 2076.00 ft

FORMATION: LKC J

INTERVAL : 3507.00 To 3518.00 ft

TD 3518.00 ft

TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 60 Rec.	13252	13252	11084			PF Fr. 1407 to 1507 hr
SI 45 Range(Psi )	0.0	0.0	0.0	0.0	0.0	IS Fr. 1507 to 1552 hr
SF 30 Clock(hrs)	AK-1	AK-1	AK-1			SF Fr. 1552 to 1622 hr
FS 45 Depth(ft )	3510.0	3510.0	3514.0	0.0	0.0	FS Fr. 1622 to 1707 hr

	Field	1	2	3	4	
A. Init Hydro	1830.0	1823.0	0.0	0.0	0.0	T STARTED 1315 hr
B. First Flow	34.0	35.0	0.0	0.0	0.0	T ON BOTM 1405 hr
Bl. Final Flow	57.0	53.0	0.0	0.0	0.0	T OPEN 1407 hr
C. In Shut-in	950.0	925.0	0.0	0.0	0.0	T PULLED 1707 hr
D. Init Flow	115.0	83.0	0.0	0.0	0.0	T OUT 1815 hr
E. Final Flow	115.0	83.0	0.0	0.0	0.0	
F. Fl Shut-in	950.0	905.0	0.0	0.0	0.0	
G. Final Hydro	1761.0	1727.0	0.0	0.0	0.0	
Inside/Outside	I	I	O			

TOOL DATA-----

Tool Wt.	0.00 lbs
Wt Set On Packer	20000.00 lbs
Wt Pulled Loose	45000.00 lbs
Initial Str Wt	40000.00 lbs
Unseated Str Wt	40000.00 lbs
Bot Choke	0.75 in
Hole Size	7.88 in
D Col. ID	2.25 in
D. Pipe ID	3.80 in
D.C. Length	30.00 ft
D.P. Length	3456.00 ft

RECOVERY

Tot Fluid 150.00 ft of 30.00 ft in DC and 120.00 ft in DP  
150.00 ft of Water - 100% water

RW .31 @ 80 F

SALINITY 55000.00 P.P.M. A.P.I. Gravity 0.00

BLOW DESCRIPTION

Initial Blow -  
Weak, building to 8" fair blow

Final Blow -  
Weak, building to 1"

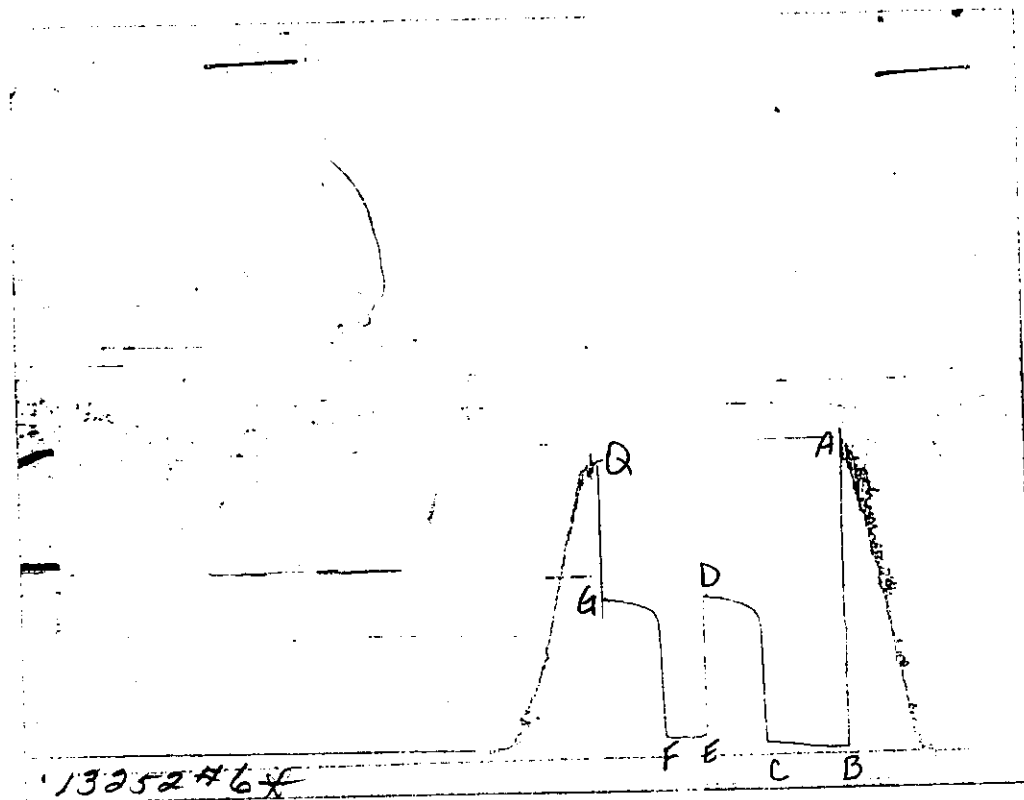
SAMPLES:  
SENT TO:

MUD DATA-----

Mud Type	Chemical
Weight	9.10 lb/c
Vis.	57.00 S/L
W.L.	8.40 in3
F.C.	0.00 in
Mud Drop	
Amt. of fill	0.00 ft
Btm. H. Temp.	112.00 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	Dan Bangle
Co. Rep.	Ed Glassman
Contr.	Discovery
Rig #	1
Unit #	
Pump T.	

Test Successful: Y

CHART PAGE



This is an actual photograph of recorder chart

# ALLIED CEMENTING CO., INC.

2477

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

## ORIGINAL

SERVICE POINT  
Russell

DATE <u>10-12-95</u>	SEC <u>23</u>	TWP <u>2316</u>	RANGE <u>18W</u>	CALLED OUT <u>10</u>	ON LOCATION	JOB START	JOB FINISH <u>2:00 PM</u>
LEASE <u>Dechant</u>	WELL # <u>B-2</u>	LOCATION <u>Webenthal 15 2E 4S</u>	COUNTY <u>Rush</u>	STATE <u>Ks</u>			
OLD OR <u>NEW</u> (Circle one)							

CONTRACTOR <u>Discovery Drlg</u>	OWNER
TYPE OF JOB <u>Long Surface</u>	CEMENT
HOLE SIZE <u>12 1/4</u> T.D. <u>1216</u>	
CASING SIZE <u>8 1/2</u> DEPTH <u>1212</u>	AMOUNT ORDERED <u>375 40 3000 29 42</u>
TUBING SIZE DEPTH	
DRILL PIPE DEPTH	
TOOL DEPTH	
PRES. MAX MINIMUM	
MEAS. LINE SHOE JOINT	
CEMENT LEFT IN CSG. <u>15-20</u> <u>28# 2 1/4 BBL</u>	
PERFS.	

COMMON	<u>225</u>	@ <u>6.10</u>	<u>1372.50</u>
POZMIX	<u>150</u>	@ <u>3.15</u>	<u>472.50</u>
GEL	<u>8</u>	@ <u>9.50</u>	<u>76.00</u>
CHLORIDE	<u>11</u>	@ <u>28.00</u>	<u>308.00</u>
		@	
		@	
		@	
		@	
		@	
		@	
HANDLING		@ <u>1.05</u>	<u>393.75</u>
MILEAGE <u>19m</u>		<u>.04</u>	<u>285.00</u>
TOTAL			<u>2907.75</u>

### EQUIPMENT

PUMP TRUCK # <u>153</u>	CEMENTER <u>Dave</u>	HELPER <u>Mark</u>
BULK TRUCK #	DRIVER	
BULK TRUCK # <u>146</u>	DRIVER <u>Bill</u>	

### REMARKS:

Cement Cr

### SERVICE

DEPTH OF JOB <u>1216</u>		
PUMP TRUCK CHARGE	<u>445.00</u>	
EXTRA FOOTAGE <u>916'</u>	@ <u>41</u> <u>375.56</u>	
MILEAGE <u>19</u>	@ <u>2.35</u> <u>44.65</u>	
PLUG <u>8 1/2 Solid Rubber</u>	@ <u>90.00</u>	
	@	
	@	
TOTAL		<u>955.21</u>

CHARGE TO: AFG Energy Inc  
STREET P.O. Box 458  
CITY Hays STATE Kan ZIP 67601

### FLOAT EQUIPMENT

	@	
	@	
	@	
	@	
	@	
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.

SIGNATURE Tom

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

# ALLIED CEMENTING CO., INC.

2385

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

ORIGINAL

SERVICE POINT:  
RUSSELL

DATE <u>10-19-95</u>	SEC. <u>23</u>	TWP. <u>16 S</u>	RANGE <u>18 W</u>	CALLED OUT <u>2:00 PM</u>	ON LOCATION <u>5:30 PM</u>	JOB START <u>11:00 PM</u>	JOB FINISH <u>11:30 PM</u>
LEASE <u>DECHANT</u>		WELL # <u>B-2</u>		LOCATION <u>LIEBENTHAL 1E 1S 1/2E 4N</u>		COUNTY <u>RUSH</u>	STATE <u>KANSAS</u>

OLD OR NEW (Circle one)

CONTRACTOR Discovery Drilling Rig #1  
 TYPE OF JOB PRODUCTION STRING  
 HOLE SIZE 7 7/8 I.D. 3645'  
 CASING SIZE 4 1/2 10.5" DEPTH 3642'  
 TUBING SIZE 8 5/8 DEPTH 1215'  
 DRILL PIPE DEPTH  
 TOOL AFI INSERT DEPTH 3615'  
 PRES. MAX MINIMUM  
 MEAS. LINE SHOE JOINT 31 9'  
 CEMENT LEFT IN CSG. 31.9' 59 1/2 BBL  
 PERFS.

OWNER \_\_\_\_\_ CEMENT  
 AMOUNT ORDERED 200 SK 10% SALT  
590 Gilsonite  
500 GAL. ALLIED SUPER FLUSH  
 COMMON 200 @ 6.10 1220.00  
 POZMIX @ \_\_\_\_\_  
 GEL @ \_\_\_\_\_  
 CHLORIDE @ \_\_\_\_\_  
Salt 19 @ 7.20 136.80  
Gilsonite 940 # @ 4.14 3889.60  
ASF 500 gal @ 1.00 500.00  
 HANDLING @ 1.05 210.00  
 MILEAGE 44 / Sk / Mile 152.00  
 TOTAL 2604.20

EQUIPMENT

PUMP TRUCK CEMENTER Will  
 # 177 HELPER Will  
 BULK TRUCK  
 # 160 DRIVER Paul  
 BULK TRUCK  
 # DRIVER

REMARKS:

SERVICE

FLOAT HELD  
10 SK @ MOUSE Hole  
15 SK @ RAT Hole  
Shanks

DEPTH OF JOB \_\_\_\_\_  
 PUMP TRUCK CHARGE 1030.00  
 EXTRA FOOTAGE @ \_\_\_\_\_  
 MILEAGE 19 @ 2.35 44.65  
 PLUG 1-4 1/2 RUBBER @ 38.00  
 TOTAL 1112.65

CHARGE TO: AFG ENERGY Inc.  
 STREET Box 458  
 CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP 67601

(BAKER) FLOAT EQUIPMENT

1-GUIDE SHOE @ 109.00  
1-AFI INSERT @ 169.00  
4-CENTRALIZERS @ 53.00 212.00  
 TOTAL 490.00

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 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 \_\_\_\_\_