



**SIDE TWO**

Operator Name AFG Energy, Inc. Lease Name DeYoung Well # 2  
 Sec. 4 Twp. 10S Rge. 21  East  West  
 County Graham

**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.)

**Formation Description**

Name	Formation Description	
	Top	Bottom
Anhydrite	1740	1780
Topeka	3265	
Heebner	3474	
Toronto	3501	
L-KC	3516	3737
Arbuckle	3840	

DST #1 - 3664' to 3684'  
 15-30-15-30 Rec. 5' mud  
 IF-10-20 FF-20-20 ISIP-160  
 FSIP - 53  
 DST #2-3809-to3843' 30-30-30-30  
 IF-55-144 FF-155-222  
 ISIP-1145 FSIP - 1145

Rec. 330' GIP 510' CO **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	12 1/4"	8 5/8"	23#	207'	60/40Poz	150	3%CC, 2%Gel
Longstring	7 7/8"	5 1/4"	14#	3899'	Common	125	10% Salt

Shots Per Foot	PERFORATION RECORD Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	
		Amount	Depth
3 holes	3862'	40 sx. Common Cement	
4 Holes/ft.	3852' to 3854'	750 gal. 15% INS	

**TUBING RECORD**  
 Size 2 7/8" Set At 3850' Packer At \_\_\_\_\_  
 Liner Run  Yes  No

Date of First Production 11-13-90 Producing Method  Flowing  Pumping  Gas Lift  Other (Explain)

Estimated Production Per 24 Hours  
 Oil 25 Bbls. Gas 150 Mcf Water 150 Bbls. Gas-Oil Ratio \_\_\_\_\_ Gravity 32

Disposition of Gas:  Vented  Sold  Used on Lease (If vented, submit ACO-18.)  
 METHOD OF COMPLETION:  Open Hole  Perforation  Dually Completed  Commingled  
 Other (Specify) \_\_\_\_\_

RELEASE

15.065-22599-0000

DEC 13 1971

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FROM CONFIDENTIAL

DeYoung #2  
(Completion)

- 10-31-90 Moved double drum from Rathbun #10 to DeYoung #2. Rigged up. Ran 4 7/8" bit on 2 7/8" upset tubing to D.V. Tool at 1753'.
- 11-1-90 Began drilling on D.V. Tool. Drilled out DV tool and ran to TD - 3862'. Cleaned up hole. Pulled tubing and bit. Swabbed down to 2700'. Ran correlation and bond log. Bond log looks bad on bottom 100'. Did not perforate. Left truck on location overnight. Will probably perforate to squeeze.
- 11-2-90 Perforated 3 holes at 3862'. Left 600' of fluid in hole. Swabbed well down dry. Ran 5 1/2" packer on 2 7/8" tubing. Ran swab and was dry. Dumped 1 bbl. 15% INS Acid on bottom. Pulled 2 jts. and set packer at 3785'. Dumped 5 Bbl. acid down tubing. Pressured annulus to 500#. Pressured to 1500#. Would not go. Spotted acid. Broke down - injection rate 2 BPM at 600#. Mixed 40 sxs. common cement. 1st 20 sxs with slickem. Squeezed to 1500#. Got 25 sxs. into formation. Squeeze held good. Washed up. Pulled tubing and packer.
- 11-3-90 & 11-4-90 Shut down.
- 11-5-90 Ran 4 7/8" bit on 2 7/8" tubing. Drilled out to 3860'. Cement was very soft. Swabbed well down to 2500'. Perforated 3852' to 3854'. Ran in with casing swab. Swabbed down dry.
- 11-6-90 Overnight fillup - 300' oil. Swabbed well down. Tried to bail dry. Had about 200' fluid in the hole. Could not dry up. Dumped 2 Bbls. of 15% INS Acid. Followed w/70 bbls. water. Ran in with bailer - fluid at 1000' from surface. Ran bailer off bottom twice. Water with a show of oil. Let set 15 min. - fluid still at 1000'. Ran bailer to bottom. Water with good show of oil. Rigged up to run tubing. Tubing is 26' off bottom and 18' to perforations. Rigged up tubing swab. Fluid 800' down. Swabbed well down to 3000'. Coming off bottom w/swab. No kick. Acid never got to bottom. Slight show of oil. Perfs not open yet.
- 11-7-90 Fluid 3000' from surface. Made 1 pull - 350' oil on top. Loaded hole. Spotted 200 gal, 15% INS acid on bottom. Just tapped the gauge. Treated at 1/4 BPM for first 2.5 Bbls. at 50#. Last 3 1/2 Bbls. at 1/2 BPM at 0#. ISIP - Vacuum. Rigged up tubing swab. Started swabbing on well. Swabbed about 50 Bbls and began to get a good show of oil. 66 bbls back - hooked to tank and test. Swabbing from 3000' - fluid at 1800' to start and 2600' at end. 1 hr - 26 bbls - 25% oil. Well swabbing down. Swabbed down as dry as possible. Put on 15 min. tests - 1st - 1.74 Bbl,

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Page 2

DeYoung #2 (Con't) FROM CONFIDENTIAL

11-7-90 (Con't) 29% oil; 1.74 Bbl, 19% oil; 1.45 bbl, 10% oil; 1.45 bbl, 4% oil.

11-8-90 Overnight fillup - 1800' - Ran swab and fluid was 2000' from surface - Top 1400' all oil. Began swabbing well down - Going down steadily to 3200'. Percentage jumping around from 15% to 25%. Loaded hole - spotted 500 gal, 15% INS Acid. Treated at 1 1/2 BPM at 200#. ISIP - 100#. Vacuum in 10 minutes. Let set 1 hr. and swab load back. Reversed out 18 bbls. of oil up backside when we loaded hole. While pumping head was leaking out muddy brown oil. Fluid was 500' down. Swabbed back 24 Bbls. and acid kicked. Well is swabbing down slowly. Got down to 3400' & 50% Foamy muddy oil - let set 15 min. and fluid at 3400'. Total load back approx. 145 Bbls.

11-9-90 Fillup - 2800'; fluid 1100' from surface. Swabbed well down to 3200'. Percentage was changing constantly from 50% to 95%. Put on 15 minute pulls for rest of day. Averaged 4 bbls. every 15 min. Approx. 70% oil - oil is starting to clean up some. Started out very muddy last 2 hrs. Fluid increased to 5 Bbls every 15 minutes - 50% to 60% oil. Total bbls. swabbed - 200.

11-10-90 & 11-11-90 Shut down.

11-12-90 Fluid was 1200' from surface - top 1000' all oil. Swabbed 1 hr - 40 bbls - percentage changing - 20% to 30% and swabbing down slowly - fluid at 2400' by end. Pulled tubing. Ran 2 1/2" x 15' MA, SN and 124 jts. - 2 7/8" upset tubing. (Approx. 8' off bottom). Ran 2 1/2" x 2" x 12' Flexite Ring insert pump on 20 - 7/8", 80 - 3/4", 52 - 7/8" rods. Tore down and moved off.

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EMPHASIS OIL OPERATIONS

FROM CONFIDENTIAL

P. O. BOX 506

RUSSELL, KS 67665

DRILLERS LOG

OPERATOR: AFG Energy, Inc.  
P. O. Box 605  
Russell, KS 67665-0605

CONTRACTOR: Emphasis Oil Operations  
Box 506  
Russell, KS 67665

LEASE: DeYoung WELL #2

LOCATION: E/2 E/2 NE  
Section 4-10S-21  
Graham County, Kansas

LOGGERST TOTAL DEPTH: 3902'

ROTARY TOTAL DEPTH: 3900'

COMMENCED: 10/16/90

CASING: 8-5/8" @ 207' w/150 sks cement  
5-1/2" @ 3899' w/125 sks cement

ELEVATION: 2278' K.B.

COMPLETED: 10/22/90

STATUS: Oil Well

DEPTHS & FORMATIONS

(All measurements from K.B.)

Dakota Sand	1006'	Toronto	3501'
Cedar Hills	1227'	Lansing-Kansas City	3516'
Anhydrite	1740'	Base Kansas City	3737'
Topeka	3265'	Arbuckle	3890'
Heebner	3474'	R.T.D.	3900'

NOV 27 1990

STATE OF KANSAS )  
                  ) ss  
COUNTY OF RUSSELL)

K. Scott Branum, of Emphasis Oil Operations, states that the above and foregoing is a true and correct log of the above captioned well, to the best of his knowledge.

*K. Scott Branum*  
K. Scott Branum

Subscribed and sworn to before me on October 25, 1990.

My commission expires: February 6, 1992.

GLEND A. R. TIFFIN  
NOTARY PUBLIC  
STATE OF KANSAS  
MY APPT. EXPIRES 2-6-92

*Glenda R. Tiffin*  
Glenda R. Tiffin, Notary Public

ORIGINAL

Russell, Kansas  
861, Great Bend, Kansas

Phone Plainville 913-434-2812  
Phone Ness City 913-798-3843

# ALLIED CEMENTING CO., INC. No. 9053

Home Office P. O. Box 31

Russell, Kansas 67665

Lease No. 10-22-90	Sec. 1	Top	Range 21 W	Called Out 7:30 A.M.	On Location 11:55 A.M.	Job Start 3:45 P.M.	Finish 4:30 P.M.
Well No. 2			Location Red Link Church 1/4 S		County Graham	State Ks.	

Contractor *Emphasis Oil Operations Rig # 8*

Type Job *Two Stage Production String*

Hole Size <i>7 7/8"</i>	T.D. <i>3900'</i>
Csg. <i>5 1/2"</i>	Depth <i>3899'</i>
Csg. Size <i>8 7/8"</i>	Depth <i>207'</i>
Drill Pipe	Depth
Tool <i>D.V. (Arrow)</i>	Depth <i>1761'</i>
Cement Left in Csg. <i>38'</i>	Shoe Joint <i>38.07'</i>
Press Max. <i>1250 #</i>	Minimum
Meas Line <i>X</i>	Displace

Perf.:

Owner *Same*

To Allied Cementing Co., Inc.  
You are hereby requested to rent cementing equipment and furnish cement and helper to assist owner or contractor to do work as listed.

Charge To *AFG Energy, Inc.*

Street *P.O. Box 605*

City *Russell* State *Ks.* *67665*

The above was done to satisfaction and supervision of owner agent or contractor.

Purchase Order No.

*x Murray W. Pierchon*

**CEMENT**

Amount Ordered *350 sks 60/40 gas 60 gal.*

Consisting of

Common	<i>210 sks @ \$5.35/sk.</i>	<i>\$1102.50</i>
Poz. Mix	<i>140 sks @ 2.25/sk.</i>	<i>315.00</i>
Gel.	<i>12 sks @ 6.75/sk. (Used 18 sks)</i>	<i>81.00</i>
Chloride		
Quickset		

**EQUIPMENT**

Pumptrk	No. 191	Cementer	<i>Gary H</i>
		Helper	<i>Wagner Mc</i>
Pumptrk	No.	Cementer	
		Helper	
		Driver	<i>Ed K.</i>
Bulktrk	<i>8146</i>		
Bulktrk		Driver	

Handling	<i>@ 1.00/sk. (350 sks)</i>	<i>350.00</i>
Mileage	<i>@ 0.34 /sk. /mi. (21 mi.)</i>	<i>220.50</i>
Sub Total		<i>\$ 2069.00</i>
Total		

*RO*

DEPTH of Job

Reference: #3	<i>Pumptruck-top stage</i>	<i>\$ 475.00</i>
#13	<i>mileage</i>	<i>N/C.</i>
Sub Total		<i>\$ 475.00</i>
Tax		
Total		

Floating Equipment *Thanks*

Remarks: *D.V. tool opened & closed OK*

*and held.*

*Equipment returned*

*Shipped with 15 sks*



483-2627 Russell, Kansas  
 316-793-5861 Great Bend, Kansas

Phone Plainville 913-434-2812  
 Phone Ness City 913-798-3843

# New ALLIED CEMENTING CO., INC. No. 9052

Home Office P. O. Box 31

Russell, Kansas 67665

Date	Sec.	Twp.	Range	Called Out	On Location	Job Start	Finish
10-27-90	10	10	21	7:30 A.M.	11:55 A.M.	2:30 P.M.	3:30 P.M.
Lease	Well No.	Location			County	State	
DeWitt	2	Redden Church 1 1/4 S			Franklin	KS	

Contractor <b>Emphasis Oil Operations P 5 # 8</b>		Owner <b>Same</b>
Type Job <b>Two-Stage Production String</b>		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 listed.
Hole Size <b>7 7/8"</b>	I.D. <b>3900'</b>	
Csg. <b>5 1/2"</b>	Depth <b>3899'</b>	
Csg. Tbg. Size <b>8 7/8"</b>	Depth <b>207'</b>	
Drill Pipe	Depth	
Tool <b>D.V. (A.S.S.)</b>	Depth <b>1761'</b>	
Cement Left in Csg. <b>28'</b>	Shoe Joint <b>38.07'</b>	
Press Max. <b>1100 #</b>	Minimum	
Meas Line <b>X</b>	Displace	
Perf.		

### EQUIPMENT

No.	Cementer	
Pumptrk 101	Helper	<b>Gary H</b>
Pumptrk	Helper	<b>Dwayne Mc</b>
Bulktrk #212	Driver	<b>Glenn C</b>
Bulktrk	Driver	

### DEPTH of Job

Reference:		
#3 Pumptrk both stages		<b>880.00</b>
#13 mileage @ 2.00/mi		<b>42.00</b>
Plug		<b>N/C.</b>
	Sub Total	<b>922.00</b>
	Tax	
	Total	

Remarks: **F-150 with Hold**

Charge To <b>AFB Energy, Inc</b>
Street <b>P.O. Box 605</b>
City <b>Russell</b> State <b>Ks</b> <b>67665</b>
The above was done to satisfaction and supervision of owner agent or contractor.
Purchase Order No.
X <b>Terry W. Patten</b>
<b>CEMENT</b>

Amount Ordered <b>125 sks com 10% salt</b>	
Consisting of	
Common <b>125 sks @ 5.25/sk.</b>	<b>#656.25</b>
Poz. Mix	
Gel.	
Chloride	
Quickset	
Salt <b>12 sks @ 4.75/sk.</b>	<b>57.00</b>
	Sales Tax
Handling <b>@ 1.00/sk (125 sks)</b>	<b>125.00</b>
Mileage <b>@ 0.34/sk/mi (21 mi)</b>	<b>78.75</b>
	Sub Total #
	<b>917.00</b>
	Total

Floating Equipment <b>5 1/2"</b>	
1 regular guide shoe	<b>125.00</b>
1 AFU insert (Model #)	<b>180.00</b>
1 cementing bucket	<b>20.00</b>
	<b>29.00</b>