

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

API NO. 15- 165-21,645-0000
County Rush
S/2 NE NW Sec. 28 Twp. 16 Rge. 16 E/W

Operator: License # 03456
Name: AFG Energy, Inc.
Address P.O. Box 458

990 Feet from S(N) (circle one) Line of Section
1980 Feet from E(W) (circle one) Line of Section

City/State/Zip Hays, KS 67601
Purchaser: None

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

Operator Contact Person: Ed Glassman
Phone (913) 625-6374

Lease Name Kaiser "A" Well # 2
Field Name Reichel

Contractor: Name: Duke Drilling Co., Inc.
License: 5929

Producing Formation _____
Elevation: Ground 1956 KB 1965

Wellsite Geologist: ED GLASSMAN

Total Depth 3580 PBDT _____
Amount of Surface Pipe Set and Cemented at 1074 Feet

Designate Type of Completion
 New Well Re-Entry Workover
 Oil SWD SOW Temp. Abd.
 Gas ENHR SIGW
 Dry Other (Core, WSW, Expl., Cathodic, etc)

Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set _____ Feet

If Workover/Re-Entry: old well info as follows:

If Alternate II completion, cement circulated from _____
feet depth to _____ w/ _____ SX cmt.

Operator: _____

Drilling Fluid Management Plan ALT 1 JH 6-23-94
(Data must be collected from the Reserve Pit)

Well Name: _____

Chloride content 56,000 ppm Fluid volume 1100 bbls

Comp. Date _____ Old Total Depth _____

Dewatering method used Evaporation

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

Location of fluid disposal if hauled offsite: _____

01-19-94 01-27-94 02-11-94

Operator Name _____

Spud Date _____ Date Reached TD _____ Completion Date _____

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, 200 Colorado Derby Building, 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 Larry W. Piesher
Title Production Manager Date 3-17-94

Subscribed and sworn to before me this 17th day of March, 19 94.

Notary Public Linda Pfannenstiel

Date Commission Expires
LINDA K. PFANNENSTIEL
NOTARY PUBLIC
STATE OF KANSAS
My Appt. Exp. 2/5/96

K.C.C. OFFICE USE ONLY
F Letter of Confidentiality Attached
C Wireline Log Received
C Geologist Report Received
Distribution _____
 KCC KGS
MAY 22 1994
CONSERVATION DIVISION
Wichita, Kansas

SIDE TWO

Operator Name AFG Energy, Inc. Lease Name Katser "A" Well # 2
 Sec. 28 Twp. 16 Rge. 16 East County Rush
 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 type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Anhydrite	1067	+898
Electric Log Run (Submit Copy.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Top	2965	-1000
List All E.Logs Run:	Dual Induc.	Heebner	3196	-1231
Gamma Ray / Neutron		Toronto	3215	-1250
Neutron / Density		LKC	3250	-1285
Guard Log		BLKC	3483	-1518
Micro Log		ARB	3536	-1571
		RTD	3580	-1615

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 1/2"	8-5/8"	25#	1074'	60/40 poz	375	2% gel 3% cc.
Production	7-7/8"	4 1/2"	9.5#	3563'	Common	150	10% salt

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"	3292' to 3295'	1000 Gal.	
4"	3276' to 3280'	1000 Gal.	
4"	3219' to 3222'	1000 Gal.	

TUBING RECORD	Size	Set At	Packer At	Liner Run	<input type="checkbox"/> Yes <input checked="" 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	Oil 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. Commingled Other (Specify) TA'd to P&A

Production Interval _____

ORIGINAL

Kaiser "A" #2

API# 15-165-21645-0000

DST's

#1	3171' - 3226' - 1st opn. - Wk. blow 2nd opn - No blow Rec. - 10' mud FP - 39 - 44 SIP - 1027 - 961	15 - 30 - 15 - 30
#2	3225' - 3285' 1st opn. - Wk. blow 2nd opn. - No blow Rec. - 5' Mud FP - 54 - 57 SIP - 802 - 767	15 - 30 - 15 - 30
#3	3290' - 3385' 1st opn. - Wk. blow 2nd opn. - Very wk. blow Rec. - 34' Mud with few Oil spts. FP - 69 - 71 SIP - 1099 - 1034	15 - 30 - 15 - 30
#4	3385' - 3485' 1st opn. - Wk. blow 2nd opn. - No blow Rec. - 10' Mud FP - 79-82 SIP - 175 - 104	15 - 30 - 15 - 30
#5	3481' - 3513' 1st opn. - Wk. blow 2nd opn. - Wk. blow Rec. - 2' Oil 18' S O C M FP - 34 - 37 SIP - 74 - 49	15 - 30 - 15 - 30

RECEIVED
STATE CORPORATION COMMISSION
MAR 22 1994
CONSERVATION DIVISION
Wichita, Kansas

15.165.21645.0000

Kaiser "A" #2

11-7-94 Hooked to 4 1/2" Casing. Mixed 200# of hulls ahead of 155 sx. 60/40 Poz., 8% gel. (100# hulls in first of cement). Pump press - 1000#. SIP - 500#. Hooked to 8 5/8" Casing. Mixed 100# hulls. Followed with 200 sx., 60/40 Poz., 8% gel. (100# hulls in first cement). Pump press - 800#. SIP - 500#.

11/7/94
10:00 AM
10/11/94

15.165 21645-0000

94 12:29 GRE

P.5

7, Russell, KS
861, Great Bend, KS

Phone 913-625-5516, Hays, KS
Phone 913-672-3471, Oakley, KS

Phone 913-881-8926, Medicine Lodge, KS
Phone 913-798-1843, Ness City, KS

ORIGINAL

ALLIED CEMENTING CO., INC. 0008292

Home Office P. O. Box 31

Russell, Kansas 67665

Date	1-27-94	Sec.	28	Twp.	16	Range	16	Called Out	4:45 AM	On Location	7:00 AM	Job Start	11:45 AM	Finish	12:35 PM
Lease	Kaiser 'A'	Well No.	2		Location			4 F 15 1/2 E Loretta		County	RUSH	State	KS		

Contractor	Duke Drilg Rig 4	
Type Job	Long string	
Hole Size	7 1/8	T.D. 3580'
Csg.	4 1/2 9.50"	Depth 3566'
Tbg. Size		Depth
Drill Pipe		Depth
Tool		Depth
Cement Left in Csg.		Shoe Joint 27.67'
Press Max.		Minimum
Meas Line	Yes	Displace
Perf.		

Owner	AFL Energy Inc	
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.		
Charge To	AFL Energy Inc	
Street	P.O. Box 107	
City	Hays	State Kan 67601
The above was done to satisfaction and supervision of owner agent or contractor.		

EQUIPMENT		
Pumptrk	No. 277	Cementer Dean Rundle Helper Bill M.
Pumptrk	No. 279	Helper Carl Partin
Bulktrk	No. 282	Driver Steve Williams
Bulktrk		Driver

Purchase Order No.	
X	Rich Walker
CEMENT	
Amount Ordered	11 bags com 10 1/2 salt
Consisting of	
Common	16.0 SKS 575 920.00
Poz. Mix	
Gel.	
Chloride	
Quickset	
Salt	19 SKS 525 94.50
Sales Tax	
Handling	100 160.00
Mileage	94 179.80
Sub Total	1353.70
Total	
Floating Equipment	4 1/2

DEPTH of Job	
Reference:	
	Pump trk chg 780.00
	2 1/2" per min 28 miles 63.00
	4 1/2 Rubber Plug 45.00
	Sub Total 1088.00
	Tax
	Total

Remarks:
 Ran 89 joints 4 1/2 csg cemented w/ 1 bag com 10 1/2 salt Plug Rat Hole with 15 SKS

Insert
 Guide shoe
 1 Plug
 2 Centralizers

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 MAR 22 1994
 CONSERVATION DIVISION
 WICHITA, KANSAS

15-165-21645-0000

ORIGINAL

Russell, KS
5861, Great Bend, KS

Phone 913-625-5516, Hays, KS
Phone 913-672-3471, Oakley, KS

Phone 316-886-5926, Medicine Lodge, KS
Phone 913-798-3843, Ness City, KS

ALLIED CEMENTING CO., INC. 0008287

Home Office P. O. Box 31

Russell, Kansas 67665

65976

Date	Sec.	Twp.	Range	Called Out	On Location	Job Start	Finish
1-20-94	28	16	16	2:30 AM	6:00 AM	9:15 AM	10:00 AM
Lease	Well No.	Location		County	State		
Kaiser A	2	4615 1/2 Loretta		RUSH	KS		

Contractor	Duke Dils Rwy 4
Type Job	Longstring Surface
Hole Size	12 1/4
Csg.	2 7/8 25'
Tbg. Size	
Drill Pipe	
Tool	
Cement Left in Csg.	15'
Press Max.	Yes
Meas Line	NO
Perf.	

Owner	APG Energy Inc
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.	
Charge To	APG Energy Inc
Street	P.O. Box 458
City	Hays
State	Kan 67601
The above was done to satisfaction and supervision of owner agent or contractor.	

EQUIPMENT

No.	Cementer	Helper
277	Dean Klendick	Bill Lusk
No.	Cementer	Helper
279	Steve Wilkins	Mike S
No.	Driver	
291		
No.	Driver	

Purchase Order No.	
X	Field Work

CEMENT

Amount Ordered	375 sks 60/40 3/20 cc 2 1/2 Gal
Consisting of	
Common	325 sks 5.75 = 1293.75
Poz. Mix	150 sks 3.00 = 450.00
Gel.	7 sks 2.00 = 14.00
Chloride	16 sks 25.00 = 400.00
Quickset	

DEPTH of Job

Reference:	Item	Cost
	Pump Trk Chrg	450.00
	2 7/8" mix 25 miles	63.00
	8" x 10" Rubber Plug	83.00
	Sub Total	596.00
	Tax	
	Total	

Handling	100	375.00
Mileage	54	420.00
Sub Total		795.00
Total		1190.00

Remarks: Ran 26 joints 8 1/2 csg
cement did circulate
375 sk 60/40 3/2

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