FORM MUST BE TYPED

SIDE ONE

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

ORIGINAL

Operator: License # 3456

Name: AFG Energy Inc.

Address P.O. Box 458

City/State/Zip Hays, KS 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**
XX New Well ____ Re-Entry ____ Workover

____ Oil ____ SWD ____ SIOW ____ Temp. Abd.
____ Gas ____ ENHR ____ SIGW
XX 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. ____

9-27-96 Spud Date | 10-5-96 Date Reached TD | 10-6-96 Completion Date

API NO. 15- 109-20611 0000

County Logan

____ - SE - SW - NE Sec. 27 Twp. 12S Rge. 33 E XX W

2310' Feet from S (N) (circle one) Line of Section

1650' 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 Smith Well # 1

Field Name Wildcat

Producing Formation None

Elevation: Ground 3111 KB 3119

Total Depth 4770' PBTD ____

Amount of Surface Pipe Set and Cemented at 304.98 Feet

Multiple Stage Cementing Collar Used? ____ Yes XX No

If yes, show depth set ____ Feet

If Alternate II completion, cement circulated from ____

feet depth to ____ w/ ____ sx cmt.

Drilling Fluid Management Plan D&A JK 11-12-96
(Data must be collected from the Reserve Pit)

10-15-1996

Chloride content 18,000 ppm Fluid volume 3000 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 Edyn L Glassman

Title Geologist Date 10-9-96

Subscribed and sworn to before me this 11th day of October, 19 96.

Notary Public Colleen Payton

Date Commission Expires 5-2-99

Colleen Payton
NOTARY PUBLIC
State of Kansas

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)

Form ACO-1 (7-91)

SIDE TWO

Operator Name APS Energy Inc Lease Name Smith Well # 1

Sec. 27 Twp. 12S Rge. 33 ☐ East ☒ West County Logan

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.) ☒ Yes ☐ No

Samples Sent to Geological Survey ☒ Yes ☐ No

Cores Taken ☐ Yes ☒ No

Electric Log Run (Submit Copy.) ☒ Yes ☐ No

List All E.Logs Run:
Density-Neutron, Dual Induction, Micro Electric

☒ Log **Formation (Top), Depth and Datums** ☐ Sample

Name	Top	Datum
Anhydrite	2599	+519
Base Anhydrite	2620	+499
Topeka	3807	-688
Heebner	4034	-915
Toronto	4060	-941
Lansing	4076	-957
Base Kansas City	4372	-1253
Marmaton	4414	-1295
Pawnee	4509	-1309
Ft. Scott	4570	-1451
Cherokee	4599	-1480
Mississippi	4725	-1606

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	12.25	8.625	#28	304.98	60/40 POZ	180	2%gel & 3%CC
Production							

ADDITIONAL CEMENTING/SQUEEZE RECORD

Purpose:	Depth Top	Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
___ Perforate					
___ Protect Casing					
___ Plug Back TD					
___ 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

TUBING RECORD Size Set At Packer At Liner Run ☐ Yes ☐ No

Date of First, Resumed Production, SWD or Inj. D&A Producing Method ☐ Flowing ☐ Pumping ☐ Gas Lift ☐ Other (Explain)

Estimated Production Per 24 Hours	Oil N/A Bbls.	Gas N/A Mcf	Water N/A 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) _____

Production Interval

_____

_____

ORIGINAL

AFG Energy Inc.
P.O. Box 458
Hays, KS 67601

15-109-20611-00-00

RE: Smith #1, SE SW NE 27-12S-33W; Logan Co., KS
Drill Stem Test Report

DST #1 Interval: 4074 to 4194
Times: 15-30-45-30
Recovery: 60'DM,540'WCM,240'MCW,840'SW
SIP:1219-1208
FP: 336-794

DST #2 Interval: 4240 to 4357
Times: 15-30-45-30
Recovery: 180' GOCM, 170' SOCWGM
SIP: 950-917
FP: 123-201

DST #3 Interval: 4570 to 4660
Times: 15-30-15-30
Recovery: 30' Drlg mud
SIP: 1064-929
FP: 44-44

ALLIED CEMENTING CO., INC. 6004

15-109-20611-00-00

ORIGINAL

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

SERVICE POINT: Oakley

DATE 10-6-96	SEC. 27	TWP. 12 S	RANGE 33 W	CALLED OUT 4:00 PM	ON LOCATION 5:15 PM	JOB START 7:40 PM	JOB FINISH 10:00 PM
LEASE S. [illegible] TH	WELL # 1	LOCATION 9 W N S Oakley				COUNTY Logan	STATE KS

OLD OR NEW (Circle one)

CONTRACTOR Duke Drlg Rig 1
TYPE OF JOB
HOLE SIZE 7 7/8 T.D. 4776
CASING SIZE DEPTH
TUBING SIZE DEPTH
DRILL PIPE 4 1/2 DEPTH
TOOL DEPTH
PRES. MAX MINIMUM
MEAS. LINE SHOE JOINT
CEMENT LEFT IN CSG.
PERFS

OWNER Same

AMOUNT ORDERED 200 sx 60/40 4% Gel

COMMON		@	
POZMIX		@	
GEL		@	
CHLORIDE		@	
		@	
		@	
		@	
		@	
HANDLING		@	
MILEAGE		@	

CEMENT

CEMENT	1 plug	
HELPER	Clyde	
DRIVER	Jeff	
DRIVER		

REMARKS:

9	1/2 hr	5 sx
9	1/2 hr	100 sx
9	1/2 hr	20 sx
9	1/2 hr	5 sx
11	Set Hole	
11	Hot	

Thank you

SERVICE

DEPTH OF JOB	
PUMP TRUCK CHARGE	
EXTRA FOOTAGE	
MILEAGE	
PLUG	
	@
	@
	@

TOTAL

CHARGE TO: AFG Energy Inc

STREET

CITY STATE ZIP

FLOAT EQUIPMENT

Dry Hole 8 5/8 Plug @
@
@

ALLIED CEMENTING CO., INC. 7456

15-109-20611-00-00

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

SERVICE POINT

DATE	SEC.	TWP.	RANGE	JOB START	JOB FINISH
9-28-96	27				
LEASE SMITH	WELL # 1	LOCATION OAKLEY 7S 6W-1/2		COUNTY LOGAN	STATE KS

OLD OR NEW (Circle one)

CONTRACTOR Duke's Drlg. Rig 1
TYPE OF JOB Surface
HOLE SIZE 12¼ T.D. 320'
CASING SIZE 8⅝ DEPTH 320'
TUBING SIZE DEPTH
DRILL PIPE DEPTH
TOOL DEPTH
PRES. MAX MINIMUM
MEAS. LINE SHOE JOINT
CEMENT LEFT IN CSG.
PERFS.

CEMENT

AMOUNT ORDERED 180 sks 60/40 Poz 3%cc 2%Gel

COMMON	105 sks	@ 2.20	277.60
POZMIX	72 sks	@ 3.85	277.20
GEL	3 sks	@ 9.50	28.50
CHLORIDE	5 sks	@ 33.60	168.00

PUMP TRUCK CEMENTER
191 HELPER
BULK TRUCK
212 DRIVER
BULK TRUCK
DRIVER

HANDLING	180 sks	@ 1.05	189.00
MILEAGE	44 per sk/mile		108.00
		TOTAL	1,197.90

REMARKS:

Displacement

Cement did circ.

SERVICE

PUMP CHARGE			445.00
EXTRA FOOTAGE		@	
MILEAGE	15-mile	@ 2.85	42.75
PLUG 8⅝ Surface		@	45.00
		@	
		@	
		TOTAL	532.75

CHARGE TO: AFG Energy, Inc.
STREET P.O. Box 456
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(s) to assist owner or
contractor to do work as is listed above. 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 Thomas M

PRINTED NAME

PAYABLE IN 30 DAYS