

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

Operator: License # 5114  
Name NATIONAL DEVELOPMENT COMPANY  
Address 205 East Central - Suite 120  
City/State/Zip Wichita, Kansas 67202

Purchaser.....

Operator Contact Person W. L. [Bill] Boyd  
Phone 817/467-3862

Contractor: License # 5929  
Name DUKE DRILLING CO., INC.

Wellsite Geologist Jim Phillips  
Phone 316/267-1331

Designate Type of Completion  
 New Well  Re-Entry  Workover  
 Oil  SWD  Temp Abd  
 Gas  Inj  Delayed Comp.  
 Dry  Other (Core, Water Supply etc.)

If OWNED: old well info as follows:  
Operator Alpine Drilling Co., Inc.  
Well Name Clutter #1  
Comp. Date 12/4/78 Old Total Depth 3876  
COMPLETIONS TURNED OVER TO BOLANCO, INC.

WELL HISTORY

Drilling Method:  
 Mud Rotary  Air Rotary  Cable  
2/6/86 2/7/86  
Spud Date Date Reached TD Completion Date  
3985'  
Total Depth PBD

Amount of Surface Pipe Set and Cemented at 592 feet  
Multiple Stage Cementing Collar Used?  Yes  No  
If yes, show depth set.....feet  
If alternate 2 completion, cement circulated from.....feet depth to.....w/.....SX cmt  
Cement Company Name .....  
Invoice # .....

API NO. 15-.....145-20,552-A.....  
County.....Pawnee.....  
NE SW NE Sec. 25 Twp. 21S Rge. 16 East  
..... West  
.....3630..... Ft North from Southeast Corner of Section  
.....1650..... Ft West from Southeast Corner of Section  
(Note: Locate well in section plat below)

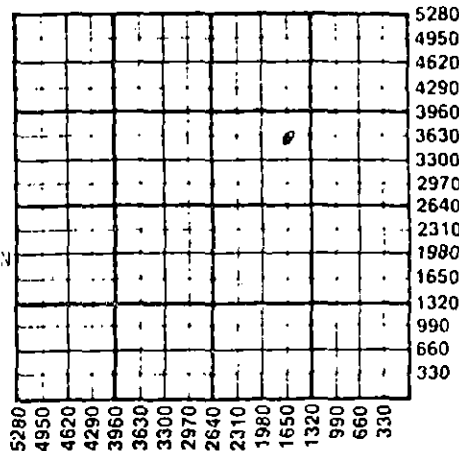
Lease Name.....Fleske.....Well #.....1-B.....

Field Name.....Pawnee.....

Producing Formation.....Arbuckle.....

Elevation: Ground.....1968.....KB.....1973.....

Section Plat



1-21-87  
STATE CORPORATION COMMISSION  
JAN 21 1987  
CONSERVATION DIVISION  
Wichita, Kansas

WATER SUPPLY INFORMATION

Disposition of Produced Water:  Disposal  
Docket # .....  Repressuring

Questions on this portion of the ACO-1 call:

Water Resources Board (913) 296-3717

Source of Water:  
Division of Water Resources Permit #.....  
 Groundwater.....Ft North from Southeast Corner  
(Well) .....Ft West from Southeast Corner of  
Sec Twp Rge East West  
 Surface Water.....Ft North from Southeast Corner  
(Stream, pond etc).....Ft West from Southeast Corner  
Sec Twp Rge East West  
 Other (explain).....Irrigation Well  
(purchased from city, R.W.D. #)

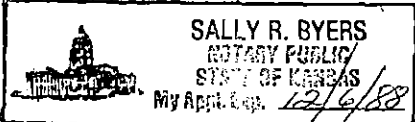
INSTRUCTIONS: This form shall be completed in triplicate and filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 120 days of the spud date of any well. Rule 82-3-130, 82-3-107 and 82-3-106 apply. Information on side two of this form will be held confidential 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 drillers time log shall be attached with this form. 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 R. J. Flaker  
Title Agent for Bolanco, Inc. Date 1/19/87

Subscribed and sworn to before me this 19th day of January  
1987  
Notary Public Sally R. Byers

Date Commission Expires December 6, 1988



K.C.C. OFFICE USE ONLY  
F Letter of Confidentiality Attached  
C  Wireline Log Received  
C  Drillers Timelog Received  
Distribution  
 KCC  SWD/Rep  NGPA  
 KGS  Plug  Other  
(Specify)

Sec 25 Twp. 21 Rge. 16 W

**SIDE TWO**

Operator Name NATIONAL DEVELOPMENT COMPANY Lease Name Fleske Well # 1-B

Sec. 25 Twp. 21S Rge. 16  East  West County Pawnee

**WELL LOG**

**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  
 Samples Sent to Geological Survey  Yes  No  
 Cores Taken  Yes  No

**Formation Description**  
 Log  Sample

DST #1 3901'-3910' Miss run.

DST #2 3901' - 3910' 20 - 45 - 20 - 45  
 Strong blow throughout.  
 Recovered: 780' gas in pipe  
 2850' water  
 IFP 239#-790# ISIP 1298#  
 FFP 966#-1226# FSIP 1298#

DST #3 3630' - 3686' 30 - 60 - 60 - 90  
 1st Opening: Fair blow building to strong in 2 minutes  
 2nd Opening: Weak blow building to strong in 10 minutes  
 Recovered: 1980' water  
 IFP 93#-416# ISIP 1309#  
 FFP 468#-769# FSIP 1309#

Name	Top	Bottom
Heebner	3362'	3380'
Toronto	3380'	3399'
Douglas	3399'	3464'
Brown Line	3464'	3473'
Lansing	3473'	3688'
Back Kansas City	3688'	3778'
Viola	3778'	3862'
Arbuckle	3862'	3873'
Old Total Depth:	3873'	
New Total Depth:	3985'	

CASING RECORD <input type="checkbox"/> New <input checked="" type="checkbox"/> 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
Production	7-7/8"	4 1/2"	10/5#	3980'	Sure-Fil	175	4# gilsonite
PERFORATION RECORD				Acid, Fracture, Shot, Cement Squeeze Record			
Shots Per Foot	Specify Footage of Each Interval Perforated			Amount and Kind of Material Used			Depth
TUBING RECORD				Liner Run <input type="checkbox"/> Yes <input type="checkbox"/> No			
Date of First Production	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	Gas	Water	Gas-Oil Ratio	Gravity		
	Bbls	MCF	Bbls	CFPB			

**METHOD OF COMPLETION**

**Production Interval**

Disposition of gas:  Vented  Open Hole  Perforation  
 Sold  Other (Specify) .....  
 Used on Lease  Dually Completed .....  
 Commingled