

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

API NO. 15- 037-21468

33-28-22E

County Crawford

NW - NE - SW - Sec. 33 Twp. 28 Rge. 22 E W

2145' Feet from N (circle one) Line of Section

3465' Feet from E (circle one) Line of Section

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

Lease Name Walsh Well # 20

Field Name Walnut Southeast

Producing Formation Bartlesville

Elevation: Ground _____ KB _____

Total Depth 405' PBD _____

Amount of Surface Pipe Set and Cemented at 20 Feet

Multiple Stage Cementing Collar Used? _____ Yes No

If yes, show depth set NA Feet

If Alternate II completion, cement circulated from 390'

feet depth to top w/ 55 sx cnt.

Drilling Fluid Management Plan 02-89
(Data must be collected from the Reserve Pit)

Chloride content NA ppm Fluid volume NA bbls

Dewatering method used NA

Location of fluid disposal if hauled offsite: NA

Operator Name NA

Lease Name NA License No. NA

NA Quarter Sec. NA Twp. NA S Rng. NA E/W

County NA Docket No. NA

Operator: License # 6766

Name: N & W Enterprises, Inc.

Address 1111 S. Margrave

Fort Scott, KS 66701

City/State/Zip Fort Scott, KS 66701

Purchaser: BOTT ENERGY CORP. CHANUTE, KS

Operator Contact Person: Tom Norris

Phone (316) 223-6559

Contractor: Name: Gary Falkin

License: 3353

Wellsite Geologist: NA

Designate Type of Completion
 New Well Re-Entry Workover

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

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

Operator: _____

Well Name: _____

Comp. Date _____ Old Total Depth _____

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

2-11-93 2-26-93 3-11-93
Spud Date Date Reached TD Completion Date

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 Thomas L. Norris

Title Pres Date 4/8/93

Subscribed and sworn to before me this 8th day of April 19 93.

Notary Public Virginia L. Norris

Date Commission Expires 3-30-97

K.C.C. OFFICE USE ONLY

F Letter of Confidentiality Attached

C Wireline Log Received

C Geologist Report Received

RECEIVED STATE CORPORATION COMMISSION

RECEIVED Distribution APR 12 1993

RECEIVED Plug (Specify)

MAY - 6 1993 CONSERVATION DIVISION

Wichita, Kansas

NOTARY PUBLIC - State of Kansas
VIRGINIA L. NORRIS
My Appt. Exp. 3-30-97

CONSERVATION DIVISION
FORM ACO-1 (7-91)
Wichita, Kansas

Sec. 33 Twp. 28 Rge. 22
 East
 West

County Crawford

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:

Log Formation (Top), Depth and Datum Sample
 Name Top Datum

CASING RECORD <input checked="" type="checkbox"/> New <input 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
Surface	10"	7"	3.5	20	Portland	#1 5	NA
Production	6 1/2"	2 7/8"	6.5	390	Portland	#1 55	NA

ADDITIONAL CEMENTING/SQUEEZE RECORD				
Purpose: NA	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate				NA
<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
	NA	Fracture/Sand/35 sacks	390-4

TUBING RECORD		Size	Set At	Packer At	Liner Run	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
		2 7/8	390	390			
Date of First, Resumed Production, SWD or Inj.			Producing Method <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)				
Estimated Production Per 24 Hours	Oil Bbls.	1/2	Gas Mcf	Water Bbls.	5	Gas-Oil Ratio na	Gravity 29

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 _____

N & W Enterprises, Inc.

COPY

Ph. Bus. 316-223-6200

Res. 316-223-6559 or 223-3914

1111 S. MARGRAVE

FORT SCOTT, KANSAS 66701

Drilled For N & W Enterprises

Day Of Week TUES Month 2 Date 18 19 93

Well No. 20 Farm WASH Sec. 33 Twp. 28 Range 22E

~~Blow~~

7 8 9 10 11 12
40' 60' 80' 100' 120' 140' 160' 180' 200' 220' 240' 260' 280' 300'
320' 340' 360' 380' -

DRILLERS FORMATIONS REPORT

Depth	Kind Of Formations	Depth Of Hole	No. Feet	Kind Of Formations	Depth Of Hole
6'	DIRT	0' - 6'	1st	m. 06 S.	
12'	Chay & SAND	6' - 18'	2nd	m. 10 S.	
23'	SAND / GRAY	18' - 51'	3rd	m. 20 S.	
33'	SHALE / GRAY	51' - 84'	4th	m. 00 S.	
41'	Lime / Black & BROWN	84' - 125'	5th	m. 10 S.	
2'	SHALE / BLACK	125' - 127'	6th	m. 05 S.	
2'	Lime / Black	127' - 129'	7th	m. 05 S.	
36'	SHALE / DARK GRAY	129' - 165'	8th	m. 25 S.	
26'	SAND / GRAY - SANDY SHALE	165' - 191'	9th	m. 18 S.	
20'	Lime / BROWN / WHITE	191' - 211'	10th	m. 05 S.	
8'	SHALE / BLACK	211' - 219'	11th	m. 00 S.	
	Lime / GRAY (HARD)	219' - 226'	12th	m. 05 S.	
100'	SHALE / GRAY / CLAY	226' - 326'	13th	m. 00 S.	
2'	Lime	326' - 328'	14th	m. 10 S.	
22'	SHALE / GRAY	328' - 350'	15th	m. 00 S.	
1 1/2'	SAND / GRAY	350' - 362'			
1 1/2'	Coal	362' - 363'			
2 1/2'	SHALE / GRAY & CHAY	363' - 387'			
1'	Coal	387' - 388'			
	SAND (Oil Bleeding)	388' -			

Trapped To Core

RECEIVED
STATE CORPORATION COMMISSION

APR 12 1993

CONSERVATION DIVISION
STATE OF KANSAS