

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

S

API NO. 15-173-20,714-00-00

County Sedgwick

SE SW SW Sec. 1 Twp. 26S Rge. 2 East West

590 Ft North from Southeast Corner of Section  
4,530 Ft West from Southeast Corner of Section  
(Note: Locate well in section plat below)

Lease Name Elliott Well # 1

Field Name Greenwich N.E.

Producing Formation Mississippian

Elevation: Ground 1352 KB 1357

Operator: License # 9729  
Name Port Bolivar Natural Resources Corp.  
Address P.O. Box 11732  
(A/K/A PBNR Corp.)  
City/State/Zip Wichita, Kansas 67202

Purchaser Not Applicable

Operator Contact Person Warren R. Winne  
Phone (316) 682-6815

Contractor: License # 5302  
Name Red Tiger Drilling Company

Wellsite Geologist L.E. Carter  
Phone (316) 682-6091

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

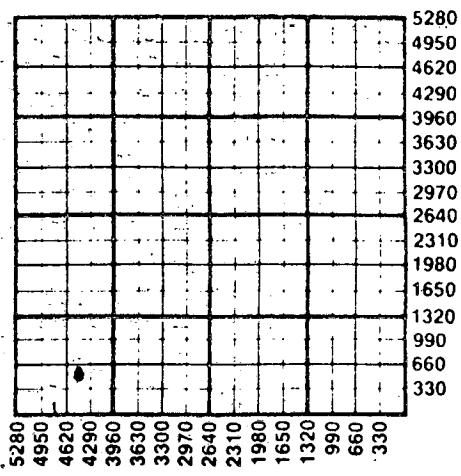
If OWNED: old well info as follows:  
Operator  
Well Name  
Comp. Date Old Total Depth

WELL HISTORY

Drilling Method:  
 Mud Rotary  Air Rotary  Cable  
01-03-86 01-08-86 03-17-86  
Spud Date Date Reached TD Completion Date  
2879' 2573'  
Total Depth PBTD

Amount of Surface Pipe Set and Cemented at 213 feet  
Multiple Stage Cementing Collar Used? Yes  No  
If yes, show depth set feet  
If alternate 2 completion, cement circulated from 213 feet depth to surface / 185 SX cmt  
Cement Company Name United Cementing & Acid Co.  
Invoice #

Section Plat



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

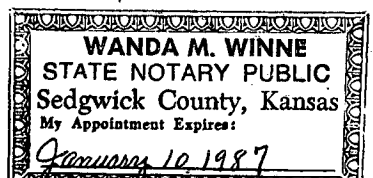
Source of Water:  
Division of Water Resources Permit #  
Groundwater Ft North from Southeast Corner (Well) Ft West from Southeast Corner of Sec Twp Rge East West  
Surface Water 300 Ft North from Southeast Corner (Stream pond) etc 2300 Ft West from Southeast Corner Sec 1 Twp 26SRge 2 XX East West  
Other (explain)  
(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 Warren R. Winne  
Title General Manager & Pres Date 09-11-86

Subscribed and sworn to before me this 11th day of September 1986  
Notary Public Wanda M. Winne  
Date Commission Expires



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)  
Form ACO-1 (5-86)

SEP 12 1986  
9-12-86

Sec. 1, Twp. 26S, Rge. 2E

Operator Name Port Bolivar Natural Resources Corp Lease Name Elliott Well # 1

Sec. 1 Twp. 26 S Rge. 2  East  West County Sedgwick

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

Swope Lime Fm Vuggy Inter-crystalline, no odor, bright yellow fluorescence & good Show Oil when crushed, some F.O. geo. said should produce oil with acid job, (14% porosity) fair S.O.  
 Middle Creek LS - Inter-Granular, no odor, but bright yellow fluorescence (14% porosity )  
 Hertha LS Granular & Interstitial, no odor, bright yellow fluorescence. Upper 2' had good crushed oil show. Lower 3' had only oil stain in Oolitic Portion. (13 - 21% Por.)  
 Mississippian 2832 - 33' (7% Por.) - 2834 - 37' (10% Por.) Fair to Good Oil Show Sucrosic, good odor, bright yellow Fluorescence, show free oil when crushed.  
 Spergan Chnty Dolm - 2839 - 44 (24% Por.) Fair to good oil show - free oil (27% Por)

Name Top Bottom  
 con't from sample description...  
 Keokuk Chert - 2876 - 79 (34% Por) faint odor, fair oil shows, scattered yellow Fluorescence, oil stains when crushed, Scattered small dark brown oil globules.  
 Lansing Group 2072  
 Plattsburg Lm 2201  
 Bonner Springs Sh 2249  
 Chanute Sh 2317  
 K.C. Drum Lm 2387  
 Stark Sh 2496  
 Hushpuckney Sh 2525  
 Cherokee Sh 2803  
 Mississippian 2819  
 Spergan Chert Dolm 2839  
 Warsaw Dolm Lm 2851  
 Keokuk Chert 2875

DST # 1. 2842 - 79' (refer to geo. report.)

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 1/2	8-5/8"	22	213	Portland	185	2%
Prod. String	7-7/8"	4-1/2"	11	2877	Portland RFC	100	2% (RFC)

PERFORATION RECORD

Acid, Fracture, Shot, Cement Squeeze Record

Shots Per Foot	Specify Footage of Each Interval Perforated	(Amount and Kind of Material Used)	Depth
3	2512-17' K.C. (3-6-86)		2573 BP
3	2828 - 2837		2847'
3	2844 - 2847 (300 gal 28% acid)	100 gal 10% MCA break down	2847'
3	2840 - 2844	Frac. 100 bbl KCL wtr.-sand	2840-44'
	2828 - 2847	400 gal NE Acid - 30gal Anodall "	"
3 - 2504	K.C. Johnson Jet set CIBP 2573	2504-10 K.C. - 500 gal 15%	2573 CIBP

TUBING RECORD Size Set At Packer at Liner Run  Yes  No

Date of First Production No Production Producing Method  Flowing  Pumping  Gas Lift  Other (explain).....

Estimated Production Per 24 Hours	Oil Bbls	Gas MCF	Water Bbls	Gas-Oil Ratio	Gravity

METHOD OF COMPLETION

Production Interval

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

attached & Extra Sheet

**L. E. CARTER**  
PETROLEUM GEOLOGIST  
SUITE 415 • INSURANCE BLDG.  
P.O. BOX 2074  
WICHITA, KANSAS 67201

OFFICE PHONE: (316) 267-2489

HOME PHONE: (316) 682-6091

ELLIOT #1

MEMO TO WARREN WINNIE: Relative to your expressed wishes concerning oil shows in Mississippian Section.

TOP OF MISSISSIPPIAN SERIES; 2,829'

ZONE 2,832 to 2,835' : Slight yellow fluorescence, no odor. Poor show of brown fresh oil when chips are crushed. From fairly sacrosic dolomite porosity.

ZONE 2,834 to 2,837' : Good odor and scattered bright yellow fluorescence with scattered show of free oil and good oil show from crushed chips. From fair to good sacrosic porosity.

SPERGEN FORMATION; 2,839 to 2,847'

Good odor and good yellow fluorescence. Some very scattered free oil shows and good shows when chips are crushed. Fair to good sacrosic porosity. Fair slightly vuggy interstitial porosity.

WARSAW DOLOMITIC LIME:

ZONE 2,860 to 2,864' : No odor indicated, but had scattered yellow fluorescence. Isolated crushed cuttings had small shows of scattered live oil globules when crushed, coming from poor sacrosic porosity.

OSAGE-KEOKUK TRIPOLITIC CHERT:

ZONE 2,876 to 2,879' : Faint odor detected with very scattered yellow fluorescence and some oil stain. Crushed chips had scattered shows of small fresh oil globules.

RECEIVED  
SEP 12 1986

L. E. Carter  
L. E. Carter

SEP 12 1986