



West Virginia Department of Environmental Protection  
Office of Oil and Gas  
**WELL LOCATION FORM: GPS**

API: 47 017 03465 -P WELL NO.: TJ BOYCE #4

FARM NAME: T J Boyce

RESPONSIBLE PARTY NAME: North Coast Energy Eastern, Inc.

COUNTY: Doddridge DISTRICT: New Milton

QUADRANGLE: New Milton

SURFACE OWNER: Guy Marlin Kelly & Leanna & LK Kelly McCoy

ROYALTY OWNER: Thomas Jefferson Boyce, Jr. etals.

UTM GPS NORTHING: 4342779.8

UTM GPS EASTING: 528222.1 GPS ELEVATION: 346.56

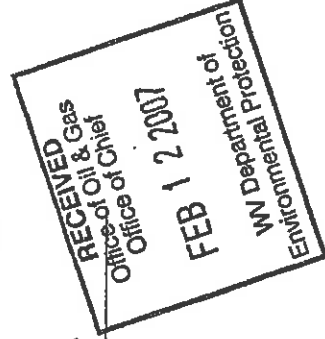
The Responsible Party named above has chosen to submit GPS coordinates in lieu of preparing a new well location plat for a plugging permit on the above well. The Office of Oil and Gas will not accept GPS coordinates that do not meet the following requirements:

1. Datum: NAD 1983, Zone: 17 North, Coordinate Units: meters, Altitude: height above mean sea level (MSL) – meters.
2. Accuracy to Datum – 3.05 meters
3. Data Collection Method:

Survey grade GPS \_\_\_\_\_ : Post Processed Differential \_\_\_\_\_  
 \_\_\_\_\_ Real-Time Differential \_\_\_\_\_  
 Mapping Grade GPS \_\_\_\_\_ : Post Processed Differential \_\_\_\_\_  
 \_\_\_\_\_ Real-Time Differential \_\_\_\_\_

I the undersigned, hereby certify this data is correct to the best of my knowledge and belief and shows all the information required by law and the regulations issued and prescribed by the Office of Oil and Gas.

Jeremy Raphael \_\_\_\_\_ Title  
 Signature \_\_\_\_\_  
 Date 1/23/07



D00D 3465-P

FEB 2 3 2007

LATITUDE 39 - 15 - 00

LONGITUDE 80 - 40 - 00

# BOYCE LEASE

## WELL NO. 4

CHAPMAN

BARKER

S 9 - 00 E  
1155.00'

N 54 - 00 E  
594.00'

N 43 - 00 E  
363.00'

S 69 - 00 E  
223.00'

N 50 - 00 E  
82.00'

N 38 - 00 E  
132.00'

N 60 - 15 E  
70.00'

N 28 - 30 E  
198.00'

N 49 - 30 E  
330.00'

N 46 - 15 E  
728.00'

S 51 - 30 E  
40.00'

N 39 - 30 E  
120.00'

N 50 - 30 W  
140.00'



2065 ( )  
2328 - D ( )

NO. 4  
S 57 - 56 E  
310.95'

S 58 - 30 W  
198.00'

42" WHITE OAK

S 24 - 51 W  
501.88'

DAVIS

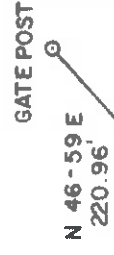
S 4 - 51 E  
622.72'

STONE

S 17 - 30 W  
1262.00'

DOUGLASS

REFERENCES



### 60.25 ACRES ±



SMITH LAND SURVEYING

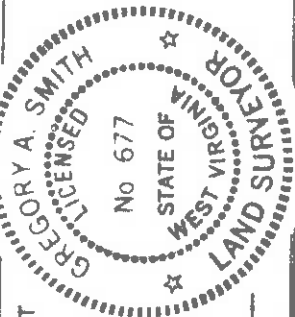
(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS

DATE AUGUST 19, 1985

OPERATORS WELL NO. BOYCE NO. 4

API WELL NO.

STATE 47 - COUNTY 017 - PERMIT 3465-Frac



L.L.S. Gregory A. Smith  
677

I, THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY LAW AND THE REGULATIONS ISSUED AND PRESCRIBED BY THE DEPARTMENT OF ENERGY.

STATE OF WEST VIRGINIA  
DEPARTMENT OF ENERGY  
OIL AND GAS DIVISION



FILE NO. 18 - 41  
SCALE 1" = 500'

MINIMUM DEGREE OF ACCURACY 1 / 200  
PROVEN SOURCE OF ELEVATION B. M. 830'

WELL TYPE: OIL  GAS  LIQUID INJECTION  WASTE DISPOSAL  IF "GAS" PRODUCTION  STORAGE  DEEP  SHALLOW

LOCATION: ELEVATION 1087' WATERSHED REDLICK RUN  
DISTRICT NEW MILTON COUNTY DODDRIDGE  
SURFACE OWNER THOMAS JEFFERSON BOYCE, JR  
OIL & GAS ROYALTY OWNER THOMAS JEFFERSON BOYCE, JR. et al. LEASE ACREAGE 60.25

PROPOSED WORK: DRILL  CONVERT  DRILL DEEPER  REDRILL  FRACTURE OR STIMULATE  PLUS OFF  
OLD FORMATION  PERFORATE NEW FORMATION  PLUG AND ABANDON  CLEAN OUT AND REPLUG   
OTHER PHYSICAL CHANGE IN WELL (SPECIFY) \_\_\_\_\_  
TARGET FORMATION BIG INJUN  
ESTIMATED DEPTH 2160'

WELL OPERATOR UNITED OPERATING CO. 899 DESIGNATED AGENT LYLE COFFMAN  
ADDRESS SUITE 930 COMMERCE SQUARE  
CHARLESTON, WV 25301

6661

- 0wwo - 6-6 Vadis (292)

Vadis 511

QUADRANGLE NEW MILTON 7.5  
ACREAGE 35.2

COUNTY NAME NEW MILTON

PERMIT SEP 09 1985

3465

017



**RECEIVED**  
APR 29 1987



WR-35

State of West Virginia

DIVISION OF OIL & GAS  
DEPARTMENT OF ENERGY

DEPARTMENT OF ENERGY  
Oil and Gas Division

Date April 27, 1987

Operator's

Well No. #4

Farm Boyce

API No. 47 - 017 - 3465 - Frac

WELL OPERATOR'S REPORT  
OF

DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

WELL TYPE: Oil / Gas X / Liquid Injection / Waste Disposal /  
(If "Gas," Production X / Underground Storage / Deep / Shallow X /)

LOCATION: Elevation: 1087 Watershed Redlick Run

District: New Milton County Doddridge Quadrangle New Milton 7.5'

COMPANY United Operating Company

ADDRESS 930 Commerce Square

DESIGNATED AGENT Jack L. Irittipo

ADDRESS 930 Commerce Square

SURFACE OWNER Thomas Jefferson Boyce

ADDRESS 335 Center St., Wierion, WV

MINERAL RIGHTS OWNER Thomas Jefferson Boyce

ADDRESS 335 Center St., Wierion, WV

OIL AND GAS INSPECTOR FOR THIS WORK Mike

Underwood ADDRESS Rt. 2, Box 114, Salem, WV

PERMIT ISSUED 8-8-85

DRILLING COMMENCED 8/28/85

DRILLING COMPLETED 8/28/85

IF APPLICABLE: PLUGGING OF DRY HOLE ON  
CONTINUOUS PROGRESSION FROM DRILLING OR  
REWORKING. VERBAL PERMISSION OBTAINED  
ON

Casing Tubing Size	Used in Drilling	Left in Well	Cement fill up Cu. ft.
20-16 Cond.			
13-10"			
9 5/8			
8 5/8			
7			
5 1/2			
4 1/2		2150	casing run on parker shoe 300' fillup
3			
2			
Liners used			

GEOLOGICAL TARGET FORMATION Big Injun (Frac.) Depth 2160 feet

Depth of completed well \_\_\_\_\_ feet Rotary X / Cable Tools \_\_\_\_\_

Water strata depth: Fresh 200 feet; Salt N/A feet

Coal seam depths: N/A Is coal being mined in the area? No

OPEN FLOW DATA

Producing formation Big Injun Pay zone depth 2130-50 feet

Gas: Initial open flow N/A Mcf/d Oil: Initial open flow \_\_\_\_\_ Bbl/d

Final open flow \_\_\_\_\_ Mcf/d Final open flow -0- Bbl/d

Time of open flow between initial and final tests \_\_\_\_\_ hours

Static rock pressure \_\_\_\_\_ psig (surface measurement) after \_\_\_\_\_ hours shut in

(If applicable due to multiple completion-->) Frac in new zone no results

Second producing formation \_\_\_\_\_ Pay zone depth \_\_\_\_\_ feet

Gas: Initial open flow \_\_\_\_\_ Mcf/d Oil: Initial open flow \_\_\_\_\_ Bbl/d

Final open flow \_\_\_\_\_ Mcf/d Oil: Final open flow \_\_\_\_\_ Bbl/d

Time of open flow between initial and final tests \_\_\_\_\_ hours

Static rock pressure \_\_\_\_\_ psig (surface measurement) after \_\_\_\_\_ hours shut in

(Continued on reverse side)

MAY 04 1987  
MAY 04 1987

DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC.

Faced open hole with 200 bbl's CO<sub>2</sub>

**RECEIVED**  
APR 29 1987

DIVISION OF OIL & GAS  
DEPARTMENT OF ENERGY

9/10/85  
9/11/85

Red - 10/23/86

WELL LOG

FORMATION COLOR HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fresh and salt water, coal, oil and gas
No new formations			

(Attach separate sheets as necessary)

United Operating Company  
Well Operator

By:

Date: April 27, 1987

Note: Regulation 2.02(i) provides as follows:  
 "The term 'log' or 'well log' shall mean a systematic detailed geological record of all formations, including well, encountered in the drilling of a well."  
 x38

WELL RECORD

PRODUCTION FIRST 24 HOURS FROM 12 1/2 Bbls Sand Bbls. Approved. 0173469 Supt.  
 Sand Bbls. By

Farm, No. of Lease No. Acres  
 District Doddridge County W.Va. State  
 Date of Location 19  
 Well No. 4  
 Drilling Commenced Feb. 13th 1922 Contractor J. E. Fraiser  
 Drilling Completed Mar. 30th 1922 Contractor

CASING RECORD

DIA.	CHARGED TO WELL		PUT IN WELL		BOTTOM OF CASING		PULLED OUT OF WELL		LEFT IN WELL		TRANSFERRED BEFORE COMPLETION		LEFT AT WELL NOT IN USE	
	FEET	IN.	FEET	IN.	FEET	IN.	FEET	IN.	FEET	IN.	FEET	IN.	FEET	IN.
10			407				407							
8 1/4			1281											
6 1/2			2109											

FORMATION	TOP		BOTTOM		REMARKS
	FEET	IN.	FEET	IN.	
CONDUCTOR	225		12		
NATIVE COAL	750		228		
PITTSBURG COAL			755		Water 1/2 Barrel 535
LITTLE DUNKARD SAND			1330		Bottom of Shell 2208' 907 above 2175'
BIG DUNKARD SAND			1500		30' 30 gals. made in tank. first 24/14. 200'
FIRST SALT SAND			1580		Water 1 Barrel 1595
SECOND SALT SAND			1660		
3rd Salt Sand			1725		
WHITE Sand			1810		
MAXON SAND			1900		
			2010		
LITTLE LIME			2060		
lime shale			2095		
PENCIL CAVE			2100		
BIG LINE			2108		
BIG INJON SAND			2155		
			2176		
FIRST PAY			2180		
SECOND PAY			2209		
WATER					
SQUAW SAND					
QUARTZ SAND					
FIFTY FOOT SAND					
THIRTY FOOT SAND					
CORDON STRAY SAND					
CORDON SAND					
GAS					
FIRST PAY					
SECOND PAY					
FOURTH SAND					
FIFTH SAND					
GAS					
CL					
DAYARD SAND					
TOTAL DEPTH					

June 5/22.  
 This well shut by H  
 Aggie Vergido as,  
 Bottom of Shell 2208' 907 above 2175'.  
 30' 30 gals. made in tank. first 24/14. 200'

Water 1595  
 Steam Driv. hot prod. suble  
 decreased from 10 to 25' week  
 S.H.O.T

ABANDONED.		19	
SIZE	CASING PULLED	CASING LEFT IN	

REMARKS

22700







1) Date: August 8, 1985  
2) Operator's Well No.: Boyce #4  
3) API Well No.: 47-017-3465

AUG 12 1985

STATE OF WEST VIRGINIA  
DIVISION OF OIL & GAS  
DEPARTMENT OF ENERGY, OIL AND GAS DIVISION  
APPLICATION FOR A WELL WORK PERMIT



4) WELL TYPE: A Oil / Gas  B (if "Gas", Production   
5) LOCATION: Elevation: \_\_\_\_\_ District: New Milton  
6) WELL OPERATOR: United Operating CO. Code: 50800 7) DESIGNATED AGENT: Lyle Coffman  
Address: Suite 930 Commerce Square, 899  
Charleston, WV 25301  
8) OIL & GAS INSPECTOR TO BE NOTIFIED  
Name: Mike Underwood  
Address: Rt. 2 Box 114  
Salem, WV 26426

Underground storage: \_\_\_\_\_ Deep   
Watershed: Redlick Run  
County: Doddridge  
Quadrangle: New Milton 7.5'  
Address: 527 Norris Road  
Glennville, WV 26351  
9) DRILLING CONTRACTOR:  
Name: \_\_\_\_\_  
Address: \_\_\_\_\_

10) PROPOSED WELL WORK: Drill  deeper  Redrill  Stimulate   
Plug off old formation  Perforate new formation   
Other physical change in well (specify): \_\_\_\_\_  
11) GEOLOGICAL TARGET FORMATION: Big Injun (Frac.) 37'  
12) Estimated depth of completed well, 2160' feet  
13) Approximate trata depths: Fresh, 200' feet; salt, N/A feet.  
14) Approximate coal seam depths: N/A Is coal being mined in the area? Yes  No

15) CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SPECIFICATIONS		FOOTAGE INTERVALS		CEMENT FILL-UP OR SACKS (Cubic feet)	PACKERS
	Size	Grade	Weight per ft.	Left in well		
Conductor	10 1/2"					
Fresh water	8 1/2"			1281	Existing	Kinds Sizes
Coal						
Intermediate						
Production	5 1/2"		17.5	2160'	Fill as required	
Tubing						
Liners						Perforations: Top Bottom

OFFICE USE ONLY  
DRILLING PERMIT

Permit number 47-017-3465 Date August 28, 1985

This permit covering the well operator and well location shown below is evidence of permission granted to drill in accordance with the pertinent legal requirements subject to the conditions contained herein and on the reverse hereof. Notification must be given to the District Oil and Gas Inspector. (Refer to No. 8) Prior to the construction of roads, locations and pits for any permitted work. In addition, the well operator or his contractor shall notify the proper district oil and gas inspector 24 hours before actual permitted work has commenced.)

The permitted work is as described in the Notice and Application, plat, and reclamation plan, subject to any modifications and conditions specified on the reverse hereof.

Permit expires August 28, 1987 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond: <input checked="" type="checkbox"/>	Agent: <u>ML</u>	Plat: <u>See 10824</u>	Casing: <u>10824</u>	WPCP: <input checked="" type="checkbox"/>	S&E: <input checked="" type="checkbox"/>	Other: <input type="checkbox"/>
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NOTE: Keep one copy of this permit posted at the drilling location.  
See the reverse side of the APPLICANT'S COPY for instructions to the well operator.  
Director, Division of Oil and Gas

File





Rev (9-04)  
WR-38  
DATE:

API # 47-017-03465

STATE OF WEST VIRGINIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
OFFICE OF OIL AND GAS

AFFIDAVIT OF PLUGGING AND FILLING WELL

AFFIDAVIT SHOULD BE IN TRIPLICATE, one copy mailed to the Department, one copy to be retained by the Well Operator and the third copy (and extra copies if required) should be mailed to each coal operator at their respective addresses.

Farm name: T.J. Boyce Operator Well No.: Boyce #4  
 LOCATION: Elevation: 1087' District: New Milton County: New Milton Quadrangle: 511  
 Latitude: 511 Feet South of Doddridge Deg. Min. Sec. 511  
 Longitude: 511 Feet West of Doddridge Deg. Min. Sec. 511  
 Well Type: OIL    GAS   
 Company: North Coast Energy Center, Inc Coal Operator NONE  
P.O. Box 8 or Owner  
Bevenswood, WV 26014  
 Agent: David L Cox Coal Operator NONE  
   or Owner  
 Permit Issued Date: 02-21-2007

AFFIDAVIT

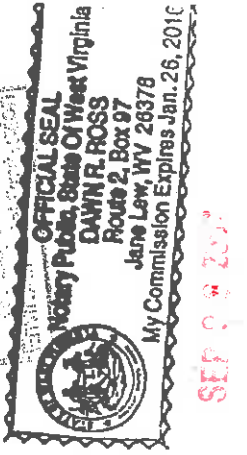
STATE OF WEST VIRGINIA,  
County of Doddridge ss:

John Chesser and Billy Deitz being first duly sworn according to law depose and say that they are experienced in the work of plugging and filling oil and gas wells and were employed by the above named well operator, and participated in the work of plugging and filling the above well say that said work was commenced on the 19th day of May, 2007 and the well was plugged and filled in the following manner:

TYPE	FROM	TO	PIPE REMOVED	LEFT
<u>6 7/8 Gal</u>	<u>between all</u>	<u>CMT plugs</u>		
<u>CMT 20 sks</u>	<u>2130'</u>	<u>1936'</u>		
<u>CMT 10 sks</u>	<u>1807'</u>	<u>1707'</u>	<u>4 1/2" - 882'</u>	<u>4 1/2" - 1268'</u>
<u>CMT 38 sks</u>	<u>932'</u>	<u>728'</u>	<u>7" - 778'</u>	<u>7" - 1331'</u>
<u>CMT 29 sks</u>	<u>550'</u>	<u>450'</u>		
<u>CMT 72 sks</u>	<u>250'</u>	<u>0</u>	<u>Ripped holes in casing @ 500' &amp; 100'</u>	

Description of monument 7' Cas. 36" above surface w/ API # and that the work of plugging and filling said well was completed on the 12th day of June, 2007.

And further deponents saith not John Chesser  
Billy Deitz  
 Sworn and subscribe before me this 15 day of June, 2007  
 My commission expires: Jan 26 2016  
Dawn R Ross  
 Notary Public



M. H. H. H.

D000 3465

