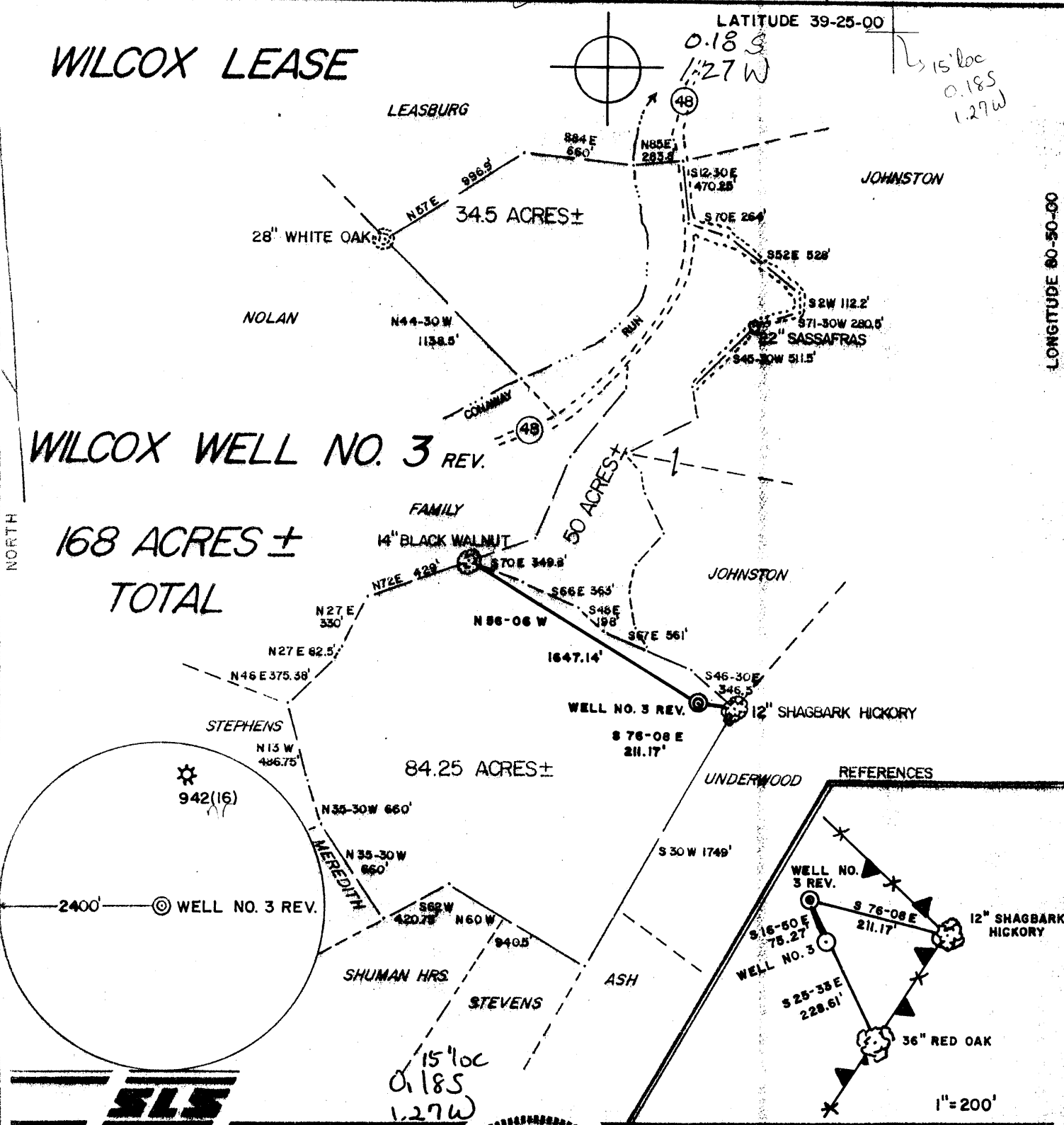


WILCOX LEASE

NORTH

LONGITUDE 80-50-00



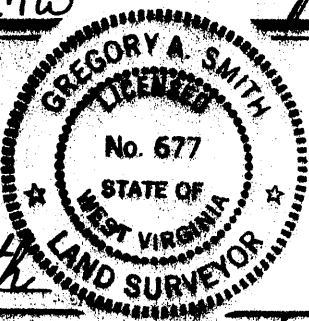
WILCOX WELL NO. 3 REV.

168 ACRES ± TOTAL

84.25 ACRES ±

50 ACRES ±

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.



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

DATE JANUARY 17, 19 90

OPERATORS WELL NO. WILCOX NO. 3 REV.

API WELL NO. 47 - 095 - 1360-Rev
 STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1 / 200 FILE NO. 2192 (30-34)
 PROVEN SOURCE OF ELEVATION TOP OF KNOB ELEVATION 1155' SCALE 1"=800'

STATE OF WEST VIRGINIA
 DEPARTMENT OF ENERGY
OIL AND GAS DIVISION

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

LOCATION: ELEVATION 1106' WATERSHED PURGATORY RUN W. Union C

DISTRICT CENTERVILLE COUNTY TYLER QUADRANGLE SHIRLEY 7.5'

SURFACE OWNER BURNELL WELLS ACREAGE 84.25

ROYALTY OWNER EMORY J. WILCOX LEASE ACREAGE 84.25 OF 168

PROPOSED WORK: LEASE NO. _____
 DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE PLUG OFF OLD FORMATION PERFORATE NEW FORMATION PLUG AND ABANDON CLEAN OUT AND REPLUG OTHER _____
 PHYSICAL CHANGE IN WELL (SPECIFY) _____ TARGET FORMATION BENSON
 ESTIMATED DEPTH 5450'

WELL OPERATOR THE COASTAL CORP. DESIGNATED AGENT WILLIAM CARPENTER
 ADDRESS PO BOX 4119 PARKERSBURG, WV 26101 ADDRESS PO BOX 4119 PARKERSBURG, WV 26101

H. T. HALL (600915) 0195 6-6 Bearsville (366) JAN 19 1990

COUNTY NAME PERMIT

Jamie 12/7/89
WILCOX LEASE

LATITUDE 39-25-00

0.205
1.27 W

LEASBURG

JOHNSTON

28" WHITE OAK

34.5 ACRES ±

NOLAN

N44-30W
1138.8'

CONWAY

WILCOX WELL NO.3

168 ACRES ±
TOTAL

FAMILY

14" BLACK WALNUT

50 ACRES ±

JOHNSTON

N27 E
330'

N72 E 439'

S70 E 349.8'

S66 E 363'

S48 E 198'

S4 E 561'

N27 E 82.5'

N46 E 375.38'

N54-30W
1706.09'

NO. 3
N83-20E 184.46'

84.25 ACRES ±

UNDERWOOD

REFERENCES

FENCE LINE

12" SHAGBARK HICKORY

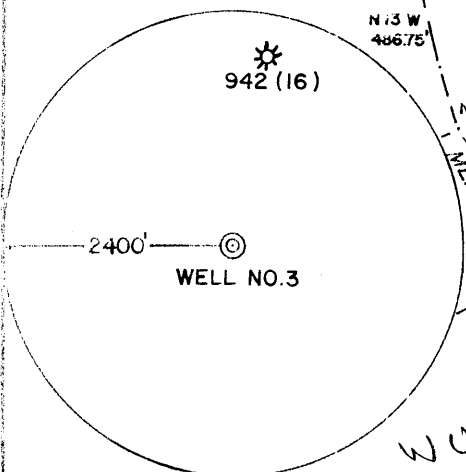
N83-20E 184.46'

S 29-46 E
154.63'

FENCE & BOUNDARY LINE

36" RED OAK

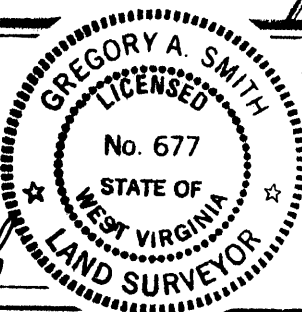
1" = 100'



SLS

W Union C
0.205
1.27 W

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.



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

DATE NOVEMBER 27, 1989

OPERATORS WELL NO. WILCOX NO. 3

API WELL NO. 47 - 095 - 1360
STATE COUNTY PERMIT

L.L.S. 677

Gregory A. Smith

MINIMUM DEGREE OF ACCURACY 1 / 200 FILE NO. 2192 (30-34)
PROVEN SOURCE OF ELEVATION TOP OF KNOB ELEVATION 1155' SCALE 1" = 800'

STATE OF WEST VIRGINIA DEPARTMENT OF ENERGY OIL AND GAS DIVISION



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

LOCATION: ELEVATION 1103' WATERSHED PURGATORY RUN

DISTRICT CENTERVILLE / COUNTY TYLER QUADRANGLE SHIRLEY 7.5'

SURFACE OWNER BURNELL WELLS ACREAGE 84.25

ROYALTY OWNER EMORY J. WILCOX LEASE ACREAGE 84.25 OF 168

PROPOSED WORK: DRILL X CONVERT ___ DRILL DEEPER ___ REDRILL ___ FRACTURE OR STIMULATE X PLUG OFF OLD

FORMATION ___ PERFORATE NEW FORMATION ___ PLUG AND ABANDON ___ CLEAN OUT AND REPLUG ___ OTHER

PHYSICAL CHANGE IN WELL (SPECIFY) ___ TARGET FORMATION BENSON ESTIMATED DEPTH 5450'

WELL OPERATOR THE COASTAL CORP. DESIGNATED AGENT WILLIAM CARPENTER

ADDRESS PO BOX 4119 PARKERSBURG, WV 26101 ADDRESS PO BOX 4119 PARKERSBURG, WV 26101

LONGITUDE 80-50-00

COUNTY NAME

PERMIT

State of West Virginia
DEPARTMENT OF ENERGY
Division of Oil and Gas

Well Operator's Report of Well Work

Farm name: WELLS, BURNELL Operator Well No.: WILCOX #3

LOCATION: Elevation: 1106.00 Quadrangle: SHIRLEY

District: CENTERVILLE County: TYLER
Latitude: 1000 Feet South of 39 Deg. 25Min. 0 Sec.
Longitude 6780 Feet West of 80 Deg. 50 Min. 0 Sec.

Company: COASTAL CORP., THE
P. O. BOX 4119
PARKERSBURG, WV 26104-0000

Agent: WILLIAM E. CARPENTER

Inspector: GLEN P. ROBINSON
Permit Issued: 01/18/90
Well work Commenced: 2/1/90
Well work Completed: 2/12/90
Verbal Plugging
Permission granted on: _____
Rotary Cable _____ Rig
Total Depth (feet) 5304
Fresh water depths (ft) _____
100'
Salt water depths (ft) _____
795
Is coal being mined in area (Y/N)? N
Coal Depths (ft): N/A

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
11 3/4	127	127	118 cuft
8 5/8	1933	1933	642 cuft
4 1/2	5156	5156	503 cuft

RECEIVED
APR 06 1990

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

OPEN FLOW DATA

Producing formation Benson Pay zone depth (ft) 5084-5090
 Gas: Initial open flow 900 MCF/d Oil: Initial open flow 0 Bbl/d
 Final open flow 400 MCF/d Final open flow 0 Bbl/d
 Time of open flow between initial and final tests 24 Hours
 Static rock Pressure 1400 psig (surface pressure) after 24 Hours

Second producing formation _____ Pay zone depth (ft) _____
 Gas: Initial open flow _____ MCF/d Oil: Initial open flow _____ Bbl/d
 Final open flow _____ MCF/d Final open flow _____ Bbl/d
 Time of open flow between initial and final tests _____ Hours
 Static rock Pressure _____ psig (surface pressure) after _____ Hours

NOTE: ON BACK OF THIS FORM PUT THE FOLLOWING: 1). DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. 2). THE WELL LOG WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE.

COASTAL CORP., THE
YORKVILLE, WV

For: COASTAL CORP., THE

By: William E. Carpenter
Date: 2/28/90

APR 16 1990

Wilcox #3

Single Stage - Water/Sand - W/N₂ Assist
Benson Formation

Shot 14 .39 holes from 5084 to 5090 and broke down with 500 gallons of 15% FE acid at 1654 lbs. Ran 50 sacks of 80/100 mesh sand and 350 sacks of 20/40 mesh sand at a rate of 22.1 BPM for a total volume of 605 bbls. Average treating pressure was 2522 lbs., with an ISIP of 1596 lbs. A total of 100,000 scf fo nitrogen was used for assist.

<u>Formation</u>	<u>Color</u>	<u>Hard/Soft</u>	<u>Top</u>	<u>Bottom</u>	
Red Rock	red	soft	0	35	
Shale	gray	soft	35	95	
Shale	red	med	95	115	water 100'
Sandy shale	gray	med	115	133	
Shale	gray	med	133	210	
Red rock	red	soft	210	230	
Sand/shale	gray	med	230	330	
Sand	white	hard	330	425	
R.R.		soft	425	450	
Sand/shale	gray	med	450	625	
Sand	gray	med	625	700	
Shale	gray	med	700	725	
Sand	white	hard	725	785	
Sand	white	hard	785	825	hole wet 795'
Sand/shale	gray	med	825	875	
Shale	red/gray	med	875	1188	
Sand	white	hard	1188	1600	
Sandy shale	gray		1600	1937	
Lime	white	hard	1937	2025	
Sand	white	hard	2025	2075	
Shale	gray	med	2075	2235	
Sandy shale	gray	med	2235	2490	hole wet 2235'
Sand/shale	brown/gray	med	2490	2750	
Shale	brown	med	2750	3000	gas 2830
Shale	gray	med	3000	5304	

RECEIVED
APR 06 1990

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

9944

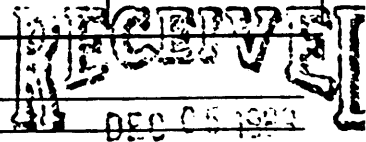
STATE OF WEST VIRGINIA
DEPARTMENT OF ENERGY, DIVISION OF OIL AND GAS
WELL WORK PERMIT APPLICATION

- 1) Well Operator: The Coastal Corporaton ¹⁹⁵ 10/25 (1) 606
- 2) Operator's Well Number: Wilcox #3 3) Elevation: 4103
- 4) Well type: (a) Oil ___ / or Gas X /
(b) If Gas: Production X / Underground Storage ___ /
Deep ___ / Shallow ___
- 5) Proposed Target Formation(s): Benson, Riley ⁴³⁵
- 6) Proposed Total Depth: 5300 feet
- 7) Approximate fresh water strata depths: 415, 123', 257'
- 8) Approximate salt water depths: 1648, 1673, 1747
- 9) Approximate coal seam depths: 895, 896, - 927, 928'
- 10) Does land contain coal seams tributary to active mine? Yes ___ / No X /
- 11) Proposed Well Work: Drill and Stimulate *New Well*
- 12)

CASING AND TUBING PROGRAM

TYPE	SPECIFICATIONS			FOOTAGE INTERVALS		CEMENT
	Size	Grade	Weight per ft.	For drilling	Left in well	Fill-up (cu. ft.)
<i>MSK 12/5/89</i> Conductor	11 3/4			120'	120'	CTS
Fresh Water						
Coal						<i>38548-4.2.2</i>
Intermediate	8 5/8	ERW	23#	2045'	2045'	By Rule 38 CSR 18.3
Production	4 1/2	ERW	10.5#	5300'	5300'	By Rule 38 CSR 18.11-1
Tubing						
Liners						

PACKERS : Kind _____
 Sizes _____
 Depths set _____



For Division of Oil and Gas Use Only

DIVISION OF OIL AND GAS
DEPARTMENT OF ENERGY

8646
31 | Fee(s) paid: Well Work Permit Reclamation Fund WPCP
 Plat WW-9 WW-2B Bond Blanket Bond Agent
 (Type)

9944

RECEIVED
DEC 05 1989

Date: 12/4/89
Operator's well number
Wilcox #3
API Well No: 47 - 095 - 1360
State - County - Permit

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

STATE OF WEST VIRGINIA
DEPARTMENT OF ENERGY, DIVISION OF OIL AND GAS

NOTICE AND APPLICATION FOR A WELL WORK PERMIT

4) Surface Owner(s) to be served:
(a) Name Burnell Wells
Address Alma, WV 26320

(b) Name _____
Address _____

(c) Name _____
Address _____

5) (a) Coal Operator:
Name _____
Address N/A

(b) Coal Owner(s) with Declaration
Name N/A
Address _____

Name _____
Address _____

6) Inspector Glen P. Robinson
Address Rt 1 #6 Mt Pleasant Est.
Mineralwells, WV 26150
Telephone (304)- 489-2736

(c) Coal Lessee with Declaration
Name _____
Address _____

TO THE PERSON(S) NAMED ABOVE TAKE NOTICE THAT:

_____ Included is the lease or leases or other continuing contract or contracts by which I hold the right to extract oil and gas OR
X Included is the information required by Chapter 22B, Article 1, Section 8(d) of the Code of West Virginia (see page 2)

I certify that as required under Chapter 22B of the West Virginia Code I have served copies of this notice and application, a location plat, and accompanying documents pages 1 through _____ on the above named parties, by:

- _____ Personal Service (Affidavit attached)
- _____ Certified Mail (Postmarked postal receipt attached)
- _____ Publication (Notice of Publication attached)

I have read and understand Chapter 22B and 38 CSR 11-18, and I agree to the terms and conditions of any permit issued under this application.

I certify under penalty of law that I have personally examined and am familiar with the information submitted on this application form and all attachments, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete.

I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Well Operator The Coastal Corporation
By: Edwin M. Davis, Jr.
Its: Field Supervisor
Address P. O. Box 4119
Parkersburg, WV 26104
Telephone 304-428-3471

Subscribed and sworn before me this 4th day of December, 19 89

Doris Ann [Signature] Notary Public
My commission expires May 24, 1999