

Janice 3/17/89

TURNER

LEASE

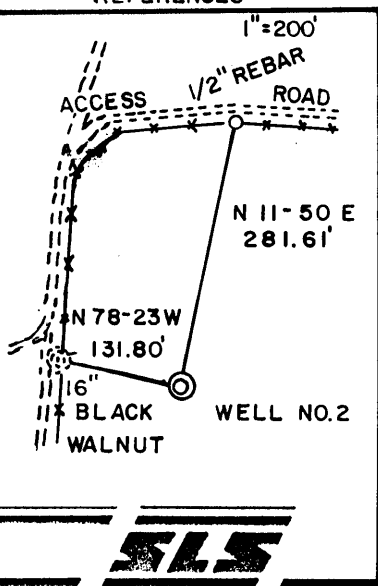
SECKMAN

CLELLAND

NORTH

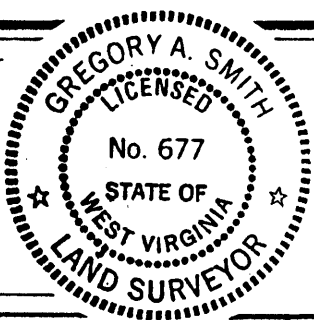
- (1) N 7-15 W 232.53'
- (2) N 78-23 W 131.80'

REFERENCES



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.

L.L.S. *Gregory A. Smith*
677



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

DATE JANUARY 27, 19 89

OPERATORS WELL NO. TURNER NO. 2

API WELL NO. 47 - 095 - 1289
STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1 / 200 FILE NO. 1949,1984(26-35)
PROVEN SOURCE OF ELEVATION TOP OF KNOB SCALE 1" = 1000' ELEV. 970'

STATE OF WEST VIRGINIA DEPARTMENT OF ENERGY OIL AND GAS DIVISION



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

LOCATION: ELEVATION 834' WATERSHED JEFFERSON RUN West Union C
DISTRICT CENTERVILLE 1 COUNTY TYLER QUADRANGLE SHIRLEY 7.5' 607

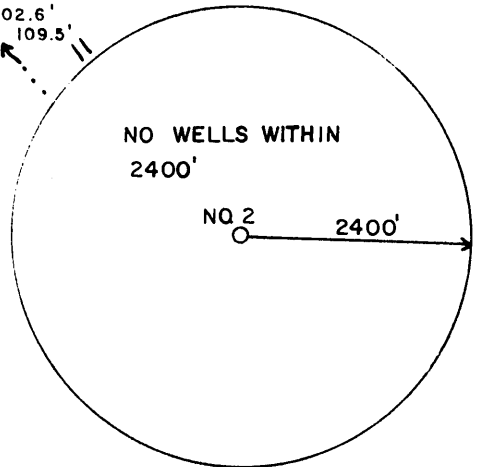
SURFACE OWNER JAMES M. HUFFMAN et ux ACREAGE 80.5 133.5
ROYALTY OWNER DONALD J. TURNER et ux LEASE ACREAGE 133.5

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 5100'

WELL OPERATOR The Coastal Corp DESIGNATED AGENT William Carpenter
ADDRESS PO Box 4119 195 PARKERSBURG, WV. 26104 ADDRESS PO Box 4119 195 PARKERSBURG, WV. 26104
MAR 1 1989

0.82
0.36
133.5 ACRES TOTAL

WELL NO. 2



COUNTY NAME PERMIT

LONGITUDE 80°50'00"

4400'

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

Well Operator's Report of Well Work

Farm name: HUFFMAN, JAMES & DONNA Operator Well No.: TURNER 2

LOCATION: Elevation: 834.00 Quadrangle: SHIRLEY

District: CENTERVILLE County: TYLER
Latitude: 4400 Feet South of 39 Deg. 25Min. 0 Sec.
Longitude 2000 Feet West of 80 Deg. 30 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: 03/17/89
Well work Commenced: 4/12/89
Well work Completed: 4/21/89
Verbal Plugging
Permission granted on: N/A
Rotary x Cable _____ Rig
Total Depth (feet) 5051
Fresh water depths (ft) _____
80' 370'
Salt water depths (ft) _____
1290'
Is coal being mined in area (Y/N)? N
Coal Depths (ft): None

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
11 3/4	177	177	94
8 5/8	1745	1745	557
4 1/2	4986	4986	497

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OPEN FLOW DATA

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY 4267-4640

Producing formation Riley/Benson Pay zone depth (ft) 4820-4824
Gas: Initial open flow 1200 MCF/d Oil: Initial open flow 0 Bbl/d
Final open flow 900 MCF/d Final open flow 0 Bbl/d
Time of open flow between initial and final tests _____ Hours
Static rock Pressure 1650 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.

For: COASTAL CORP., THE

By: Linda C. Carpenter

Date: 5/31/89

JUN 30 1989

FORMATION	COLOR	HARD/SOFT	TOP	BOTTOM	
Shale	Brown	Soft	0	20	
Rock	L Brown	Med	20	60	
Sand	White	Hard	60	120	80' Water
Red Rock	Red	Soft	120	125	
Sand	White	Hard	125	175	
Red Rock	Red	Soft	175	190	
Shale	Gray	Soft	190	700	
Shale	Gray	Soft	700	740	370' water
Red Shale	Red	Soft	740	750	
Shale	Gray	Med	750	850	
Sand	White	Hard	850	1100	
Shale	Gray	Med	1100	1228	
Sand	White	Hard	1228	1350	
Shale	Gray	Med	1350	1500	
Sand	White	Med	1500	1645	
Lime	White	Hard	1645	1700	
Sand	White	Hard	1700	1730	
Sand & Shale	White	Very Hard	1730	1810	
Shale	Gray	Med	1810	5051 TD	

Shot 14 .39 holes from 4820' to 4824' broke down w/500 gals. of 15% HCL acid at 1576 lbs. Ran 50 sacks of 80/100 mesh sand and 350 sacks of 20/40 mesh sand at a rate of 23 BPM for a total volumn of 420 bbls. Average treating pressure was 1944 lbs., with and ISIP of 1420 lbs.

Shot 16 .39 holes from 4357' to 4640'. Broke down w/500 gals of 15% HCL acid at 2220 lbs. and ran 50 sacks of 80/100 mesh sand and 250 sack of 20/40 mesh sand at a rate of 22.7 BPM for a total volumn of 325 bbls. Average treating pressure was 2275 lbs. with ISIP of 1540 lbs.

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DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

8416

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

- 1) Well Operator: The Coastal Corporation 10125, 1, 606
- 2) Operator's Well Number: Turner #2 3) Elevation: 834'
- 4) Well type: (a) Oil / or Gas /
 (b) If Gas: Production / Underground Storage /
 Deep / Shallow /
- 5) Proposed Target Formation(s): Benson
- 6) Proposed Total Depth: 5200 feet
- 7) Approximate fresh water strata depths: 85, 130, 301
- 8) Approximate salt water depths: 1600 11621
- 9) Approximate coal seam depths: None 759'-765'
- 10) Does land contain coal seams tributary to active mine? Yes / No /
- 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.)
<u>OK</u> Conductor	11 3/4		42#	160	160	
Fresh Water						
Coal						
Intermediate	8 5/8		20#	1725	1725	38CSR 18-11.2.2
Production	4 1/2		10.5#	5000	5000	38CSR 18-11.1
Tubing						
Liners						

Cement to surface
 38CSR 18-11.2.2
 38CSR 18-11.1

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PACKERS : Kind _____
 Sizes _____
 Depths set _____

For Division of Oil and Gas Use Only

DIVISION OF OIL & GAS
 DEPARTMENT OF ENERGY

690
 5 Fee(s) paid: Well Work Permit Reclamation Fund WPCP
 Plat WW-9 WW-2B Bond 50 Blanket Agent
 (Type)

1) Date: 2/3/89
2) Operator's well number
Turner #2
3) API Well No: 47 - 095 - 1289
State - County - Permit

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 James M. Huffman & Donna F.
Address HCR 74, Box 10
Alma, WV 26322
(b) Name _____
Address _____
(c) Name _____
Address _____
6) Inspector Glen P. Robinson
Address Mineral Wells, WV
Telephone (304)- _____

5) (a) Coal Operator:
Name _____
Address _____
(b) Coal Owner(s) with Declaration
Name _____
Address _____
Name _____
Address _____
(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
 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: [Signature]
Its: Vice President
Address P. O. Box 4119
Parkersburg, WV 26104
Telephone (304) 428-3471

Subscribed and sworn before me this 14 day of March, 1989
[Signature] Notary Public
My commission expires Sept. 19, 1990