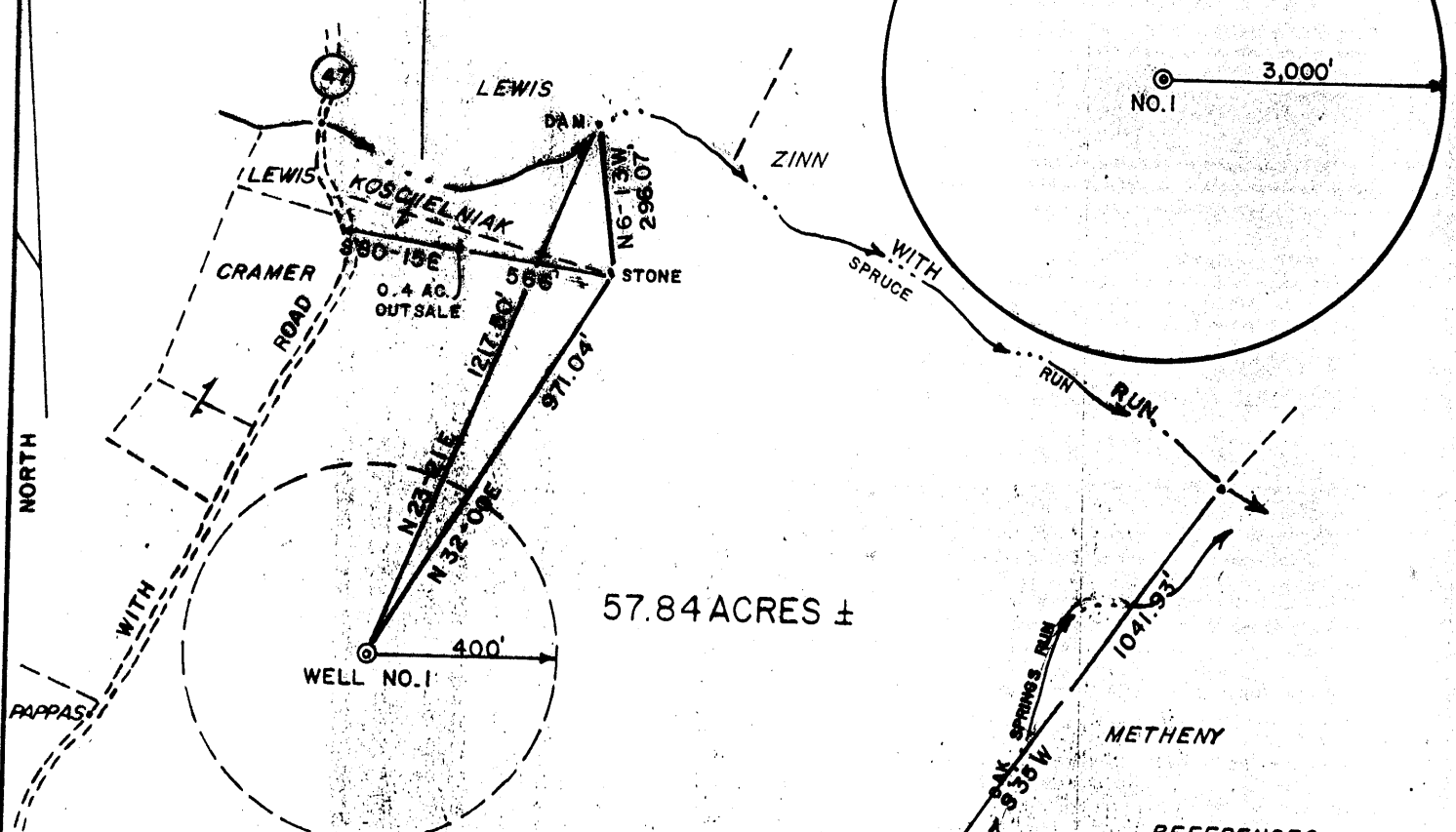


WATSON LEASE

Jan 19/2/10
Jan 11/10/96

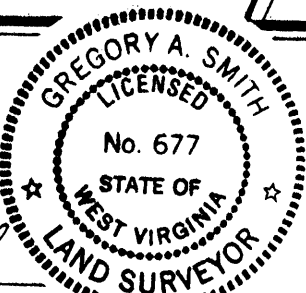
57.84 ACRES ±



WATSON UNIT WELL NO. 1



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. 677 Gregory A. Smith

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS.
 DATE SEPTEMBER 7, 19 90
 OPERATORS WELL NO. WATSON UNIT WELL NO. 1
 API WELL NO. 47 - 077 - 0253 - 1
 STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1 / 200 FILE NO. 2452 (32-55)
 PROVEN SOURCE OF ELEVATION BENCH MARK ELEV. 2733' SCALE 1" = 400'

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 2752' WATERSHED WHITE OAK SPRINGS RUN
 DISTRICT PORTLAND COUNTY PRESTON QUADRANGLE OAKLAND 7.5'

SURFACE OWNER LULA FIKE WATSON ACREAGE 57.84
 ROYALTY OWNER LULA FIKE WATSON LEASE ACREAGE 57.84

PROPOSED WORK: 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 HELDERBERG
 ESTIMATED DEPTH 8000'

Peake Energy, Inc.
 P.O. Box 8
 Ravenswood, wVa. 26164-0008

DESIGNATED AGENT Thomas Liberatore ADDRESS Same Address
 PH: 304-273-5371

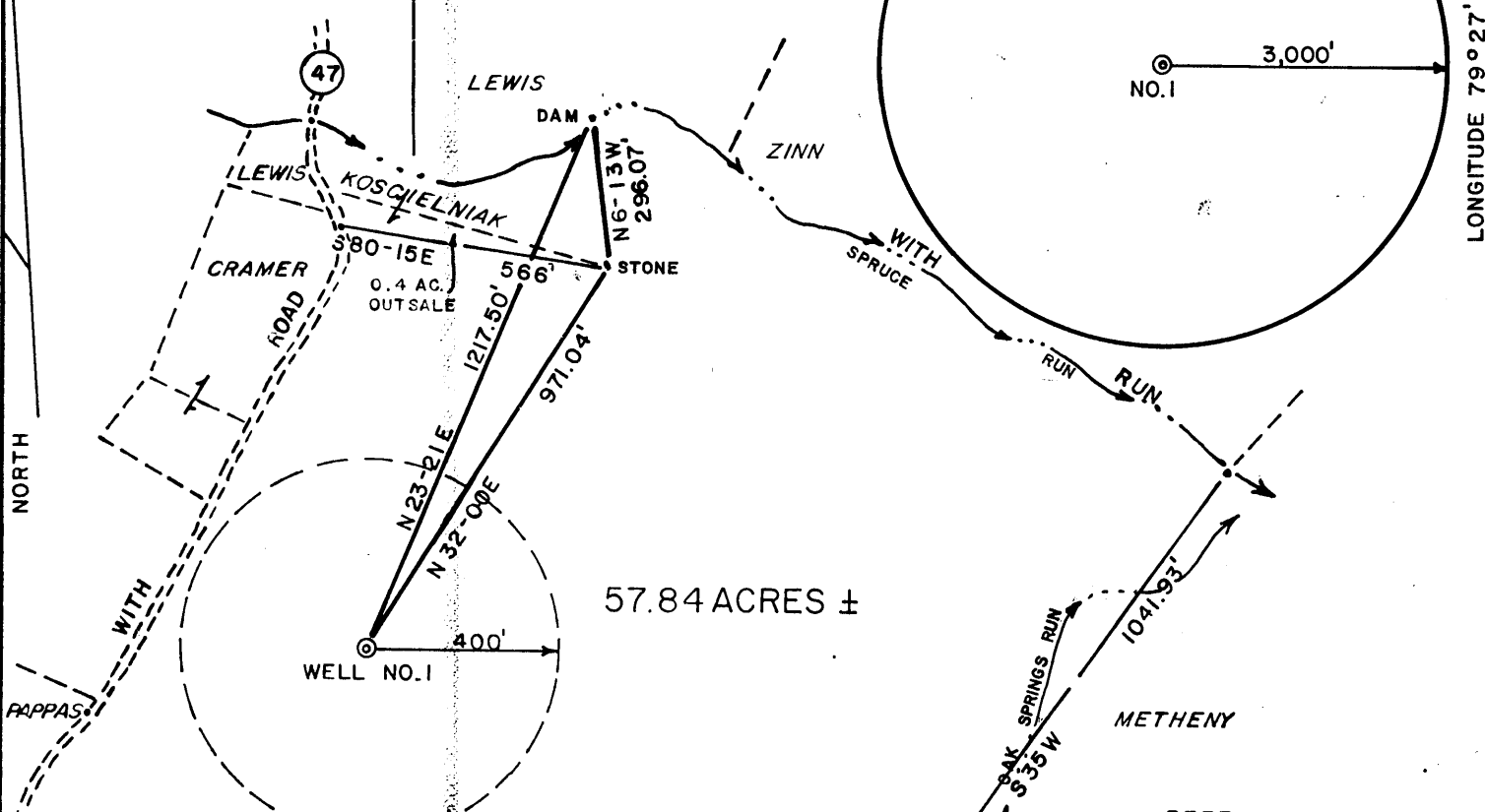
COUNTY NAME PERMIT

575

*Ann'd
10/20/90*

WATSON LEASE

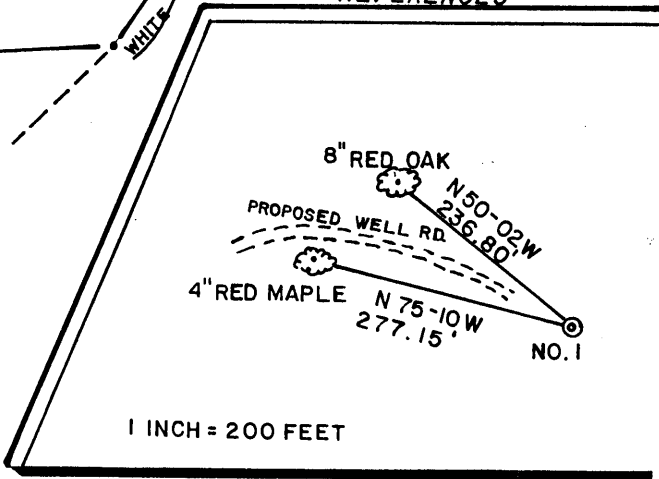
57.84 ACRES ± 0.225 2.16W



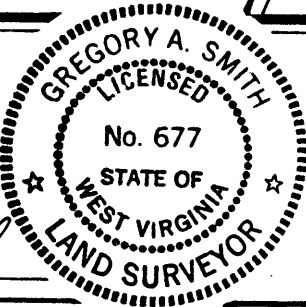
57.84 ACRES ±

WATSON UNIT WELL NO. 1

0.225
7936 4.39W



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. 677 *Gregory A. Smith*

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 DATE SEPTEMBER 7, 19 90
 OPERATORS WELL NO. WATSON UNIT WELL NO. 1
 API WELL NO. 47 - 077 - 0253
 STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1 / 200 FILE NO. 2452 (32-55)
 PROVEN SOURCE OF ELEVATION BENCH MARK ELEV. 2733' SCALE 1" = 400'

STATE OF WEST VIRGINIA
 DEPARTMENT OF ENERGY
 OIL AND GAS DIVISION



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

LOCATION: ELEVATION 2752' WATERSHED WHITE OAK SPRINGS RUN
 DISTRICT PORTLAND 5 COUNTY PRESTON QUADRANGLE OAKLAND 7.5' 915

SURFACE OWNER LULA FIKE WATSON ACREAGE 57.84 NW
 ROYALTY OWNER LULA FIKE WATSON LEASE ACREAGE 57.84

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 HELDERBERG
 ESTIMATED DEPTH 8000'

WELL OPERATOR QUAKER STATE CORP. 721 DESIGNATED AGENT FRANK ROTUNDA
 ADDRESS 1226 PUTNAM-HOWE DR. BELPRE, OH 45714 ADDRESS P.O. BOX 823 PARKERSBURG, WV 26102

DEEP WELL 1-1 (0)

COUNTY NAME PERMIT

SLS

WR-35

24-Sep-90
API # 47- 77-00253

Reviewed TMG
Recorded _____

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

FEB 23 11 49 AM '91 Operator's Report of Well Work

Farm name: WATSON, LULU FIKE Operator Well No.: WATSON UNIT #1

LOCATION: Elevation: 2752.00 Quadrangle: OAKLAND

District: PORTLAND County: PRESTON
Latitude: 1180 Feet South of 39 Deg. 30Min. 0 Sec.
Longitude 11470 Feet West of 79 Deg. 27 Min. 30 Sec.

Company: QUAKER STATE CORPORATION
P.O. BOX 189/1226 PUTNAM HOWE
BELPRE, OH 45714-0189

Agent: FRANK R. ROTUNDA

Inspector: DONALD ELLIS
Permit Issued: 09/24/90
Well work Commenced: 10/14/90
Well work Completed: 11/01/90
Verbal Plugging
Permission granted on: N/A
Rotary Cable _____ Rig
Total Depth (feet) 7497'
Fresh water depths (ft) N/A
Salt water depths (ft) N/A

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
11 3/4"	152'	152'	100 sx. C.T.S.
8 5/8"	1499'	1499'	375 sx. C.T.S.
4 1/2"	7481'	7481'	300 sx.

Is coal being mined in area (Y/N)? N
Coal Depths (ft): N/A

OPEN FLOW DATA

Producing formation Huntersville Chert Pay zone depth (ft) 7060'
 Gas: Initial open flow 200 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 2800 psig (surface pressure) after 72 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.

FEB 23 11 49 AM '91

For: QUAKER STATE CORPORATION

By: Frank Rotunda
Date: 1/31/91

PERF: Huntersville Chert from 7060' - 7110' with 26 shots, .41 hole
FRAC: with 1000 gal. acid, 2280 bbl. crosslinked gel, 100 sx. 80/100 and 1078 sx. 20/40 sand
average rate: 21 BPM, average pressure: 2880 PSI, ISIP: 3000 PSI, at 5 min: 2200 PSI

LOG INFORMATION:

sandstone/shale	0 - 1833
shale	1833 - 2104
sandstone	2104 - 2116
shale	2116 - 2404
sandstone	2404 - 2450
shale/sandstone	2450 - 6545
Tully	6545 - 6559
shale	6559 - 6808
Upper Marcellus	6808 - 6937
Purcell	6937 - 6974
Lower Marcellus	6974 - 7013
Onondaga	7013 - 7027
Huntersville	7027 - 7169
Needmore	7169 - 7188
Oriskany	7188 - 7300
Helderberg	7300 -
T.D.	7497

1991 prod.
43,211 MCF
1992 15,949

11297

10 11 2001

077-0253

Issued 9/24/90

Page 3 of 9

Expires 9/24/92

FORM WW-2B

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

- 1) Well Operator: ⁷²¹ Quaker State Corporation 40400 (S) 515
- 2) Operator's Well Number: Watson Unit #1 3) Elevation: 2752'
- 4) Well type: (a) Oil / or Gas /
(b) If Gas: Production / Underground Storage /
Deep / Shallow /
- 5) Proposed Target Formation(s): Helderberg
- 6) Proposed Total Depth: 8000 feet
- 7) Approximate fresh water strata depths: 1400' *322'*
- 8) Approximate salt water depths: N/A *OK*
- 9) Approximate coal seam depths: N/A *OK*
- 10) Does land contain coal seams tributary to active mine? Yes / No /
- 11) Proposed Well Work: *Drill & Simulate New Well*
- 12)

CASING AND TUBING PROGRAM

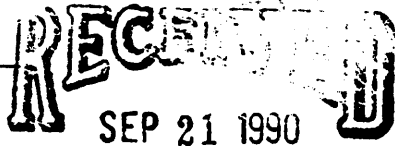
TYPE	SPECIFICATIONS			FOOTAGE INTERVALS		CEMENT
	Size	Grade	Weight per ft.	For drilling	Left in well	Fill-up (cu. ft.)
Conductor	11 3/4"		27#	100'	100'	C.T.S.
Fresh Water						<i>38CSR18-11.1</i>
Coal						<i>38CSR18-11.1</i>
Intermediate	8 5/8"	J-55	32#	1500'	1500'	C.T.S.
Production	4 1/2"	M-75	11.6#	8000'	8000'	As required by 38CSR18 11.1
Tubing				<i>Done</i>		
Liners				<i>Called</i>		

PACKERS : Kind _____
Sizes _____
Depths set _____

For Division of Oil and Gas Use Only

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

20154
27



1) Date: September 18, 1990
2) Operator's well number Watson Unit #1
3) API Well No: 47 - 077 - 0253
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

- | | |
|--|---|
| <p>4) Surface Owner(s) to be served:</p> <p>(a) Name <u>Lulu Fike Watson</u>
Address <u>Box 26</u>
<u>Terra Alta, WV 26764</u></p> <p>(b) Name _____
Address _____</p> <p>(c) Name _____
Address _____</p> | <p>5) (a) Coal Operator:</p> <p>Name <u>N/A</u>
Address _____</p> <p>(b) Coal Owner(s) with Declaration</p> <p>Name <u>N/A</u>
Address _____</p> <p>Name _____
Address _____</p> <p>(c) Coal Lessee with Declaration</p> <p>Name <u>N/A</u>
Address _____</p> |
| <p>6) Inspector <u>Donald Ellis</u>
Address <u>2604 Crab Apple Lane</u>
<u>Fairmont, WV 26554</u>
Telephone (304)- <u>534-5596</u></p> | |

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 Quaker State Corporation
By: Frank Rotunda
Its: Designated Agent
Address P.O. Box 823
Parkersburg, WV 26102
Telephone (614) 423-9543

Subscribed and sworn before me this 19th day of September, 1990

Tina J. Russell Tina J. Russell Notary Public
My commission expires _____
Notary Public, State Of Ohio
My Commission Expires June 23, 1995