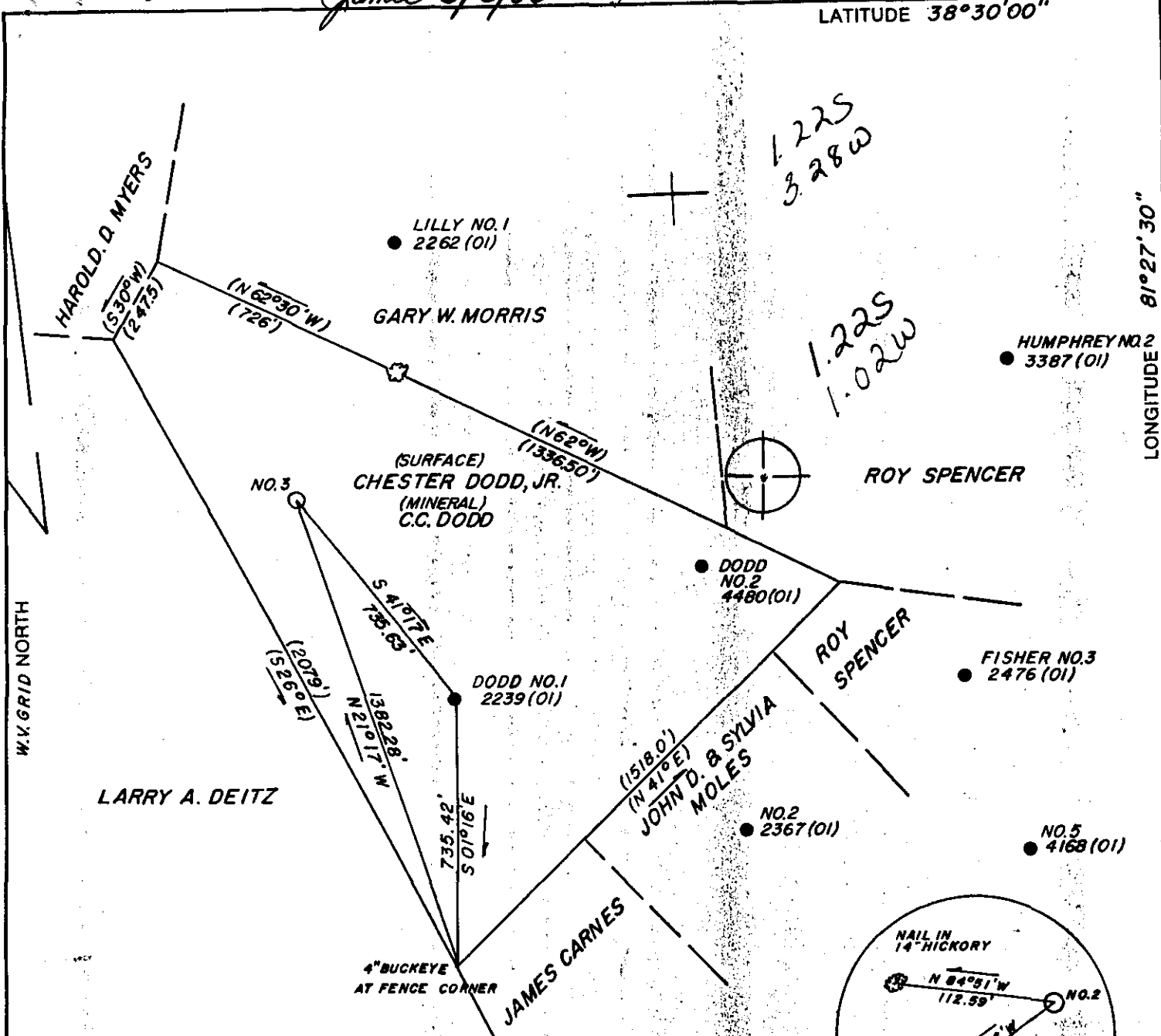


Jamie 6/3/88

5450 W.
LATITUDE 38°30'00"

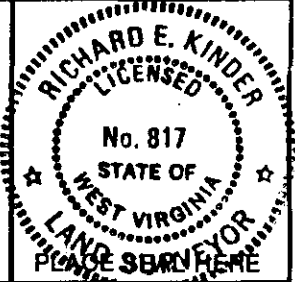


PROPOSED WELL COORD.
N. 539,936.8 E. 1,863,234.1
W.V.S.P.C. SOUTH ZONE

BEARINGS AND DISTANCES IN () ARE DEED CALLS
(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS

FILE NO. 8800-12
DRAWING NO. _____
SCALE 1" = 400'
MINIMUM DEGREE OF ACCURACY 1' in 2000'
PROVEN SOURCE OF ELEVATION U.S.C. & G.S. B.M. H-96 NEAR RUCKER CEMETARY ALONG W.V.A. SEC. RT. 55 ELE. 1006.35'

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.
(SIGNED) Richard E. Kinder
R.P.E. _____ L.L.S. 817



STATE OF WEST VIRGINIA
DEPARTMENT OF ENERGY
OIL AND GAS DIVISION



DATE MAY 12, 19 88
OPERATOR'S WELL NO. DODD NO.3
API WELL NO. 47-039-4594
STATE COUNTY PERMIT

WELL TYPE: OIL GAS _____ LIQUID INJECTION _____ WASTE DISPOSAL _____
(IF "GAS,") PRODUCTION _____ STORAGE _____ DEEP _____ SHALLOW _____
LOCATION: ELEVATION 883.9 WATERSHED WILLS CREEK OF LITTLE SANDY CREEK
DISTRICT ELK 4 COUNTY KANAWHA
QUADRANGLE BLUE CREEK 7.5 258 029 NW, Clendenen 15'
SURFACE OWNER CHESTER DODD, JR. ACREAGE 41
OIL & GAS ROYALTY OWNER C.C. DODD LEASE ACREAGE 41
LEASE NO. _____
PROPOSED WORK: DRILL CONVERT _____ DRILL DEEPER _____ REDRILL _____ FRACTURE OR STIMULATE _____ PLUG OFF OLD FORMATION _____ PERFORATE NEW FORMATION _____ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____

PLUG AND ABANDON _____ CLEAN OUT AND REPLUG _____
TARGET FORMATION BIG INJUN ESTIMATED DEPTH 2035'
WELL OPERATOR QUAKER STATE CORPORATION DESIGNATED AGENT FRANK ROTUNDA
ADDRESS P.O. BOX 189 BELPRE, OHIO 45714 ADDRESS P.O. BOX 823 PARKERSBURG, WV 26102

6-6 Blue Creek (Falling Rock) (217)

JUN 3 1988

FORM WW-6 H.T. HALL 48573

COUNTY NAME PERMIT

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

Well Operator's Report of Well Work

Farm name: DODD, CHESTER C. JR. Operator Well No.: C.C. DODD 3

LOCATION: Elevation: 883.90 Quadrangle: BLUE CREEK

District: ELK County: KANAWHA
Latitude: 6480 Feet South of 38 Deg. 30Min. 0 Sec.
Longitude: 5450 Feet West of 81 Deg. 27 Min. 30 Sec.

Company: QUAKER STATE OIL REFINING

1226 PUTNAM HOWE DR. P.O. B189
BELPRE, OH

Agent: FRANK R. ROTUNDA

Inspector: CARLOS W. HIVELY

Permit Issued: 06/03/88

Well work Commenced: 06/13/88

Well work Completed: 06/16/88

Verbal Plugging

Permission granted on: _____

Rotary XX Cable _____ Rig _____

Total Depth (feet) _____ 2000 _____

Fresh water depths (ft) _____ 322 _____

Salt water depths (ft) _____ 1230 _____

Is coal being mined in area (Y/N)? N

Coal Depths (ft): _____

Casing & Tubing	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
Size			
8 5/8"	421'	421'	150 sx.
4 1/2"	1980'	1980'	180 sx.

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DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

OPEN FLOW DATA

Producing formation Big Injun Pay zone depth (ft) 1886-1918
Gas: Initial open flow _____ MCF/d Oil: Initial open flow show Bbl/d
Final open flow 10 MCF/d Final open flow 6 Bbl/d
Time of open flow between initial and final tests _____ Hours
Static rock Pressure _____ psig (surface pressure) after _____ 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.

Samuel F. Barber OCT 24 1988
For: QUAKER STATE OIL REFINING CORP.

By: Samuel F. Barber, District Manager
Date: 10-11-88

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

- 1) Well Operator: ⁷²¹ QUAKER STATE CORPORATION 40400, 4, 258
- 2) Operator's Well Number: DODD #3 3) Elevation: 883.9
- 4) Well type: (a) Oil X / or Gas /
 (b) If Gas Production / Underground Storage /
 Deep / Shallow /
- 5) Proposed Target Formation(s): Big Injun 371
- 6) Proposed Total Depth: 2035 feet
- 7) Approximate fresh water strata depths: OK 330
- 8) Approximate salt water depths: OK 1200
- 9) Approximate coal seam depths: OK N/A
- 10) Does land contain coal seams tributary to active mine? Yes / No X /
- 11) Proposed Well Work:
- 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						38CR18-11.3
Fresh Water	8-5/8"	H-40	23	380	380	C.T.S. Neat
Coal						
Intermediate						
Production	4 1/2	J-55	9.5	2035	2035	1200' or as required by 38CR 18 11.1
Tubing						
Liners						

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PACKERS : Kind _____
 Sizes _____
 Depths set _____

For Division of Oil and Gas Use Only

DIVISION OF OIL & GAS
 DEPARTMENT OF ENERGY

18570
 Fee(s) paid: Well Work Permit Reclamation Fund WPCP
 Plat WW-9 WW-2B Bond 50 Blanket Agent
 (Type)

7127

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Page 1 W-2 8
Form W-2 A
(09/87)
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DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

1) Date: May 17, 1988
2) Operator's well number
C.C. Dodd #3
3) API Well No: 47 - 039 - 4594
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 Chester C. Dodd, Jr.
Address P.O. Box 47
Spencer, W. Va. 25276
(b) Name _____
Address _____
(c) Name _____
Address _____
6) Inspector Carlos Hively
Address 233 Pinch Ridge Rd.
Elkview, W. Va. 25071
Telephone (304)-965-6069

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
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 2 on the above named parties, by:

- X 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 *Frank Rotunda*
Its: Designated Agent
Address P.O. Box 823
Parkersburg, W. Va. 26102
Telephone 614-423-9543

Subscribed and sworn before me this 27th day of May, 1988

My commission expires _____
Dolores L. Branch
3-19-90

Notary Public

Dolores L. Branch
Notary Public, State Of Ohio
My Commission Expires March 14, 1990

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

Perf.: 1886 - 1918
 Frac.: 416 Bbl. water, 160 sx. sand, B.D. at 1500 PSI
 Treated at 32 B.P.M., 1820 PSI
 ISIP 1420 PSI

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS
sand and shale			0	1230	
salt sands			1230	1698	
Little Lime			1698	1729	
Pencil Cave			1729	1734	
Big Lime			1734	1883	
Big Injun			1883	1930	show oil and gas
silt and shale			1930	2000	T.D.

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DIVISION OF OIL & GAS
 DEPARTMENT OF ENERGY

7127