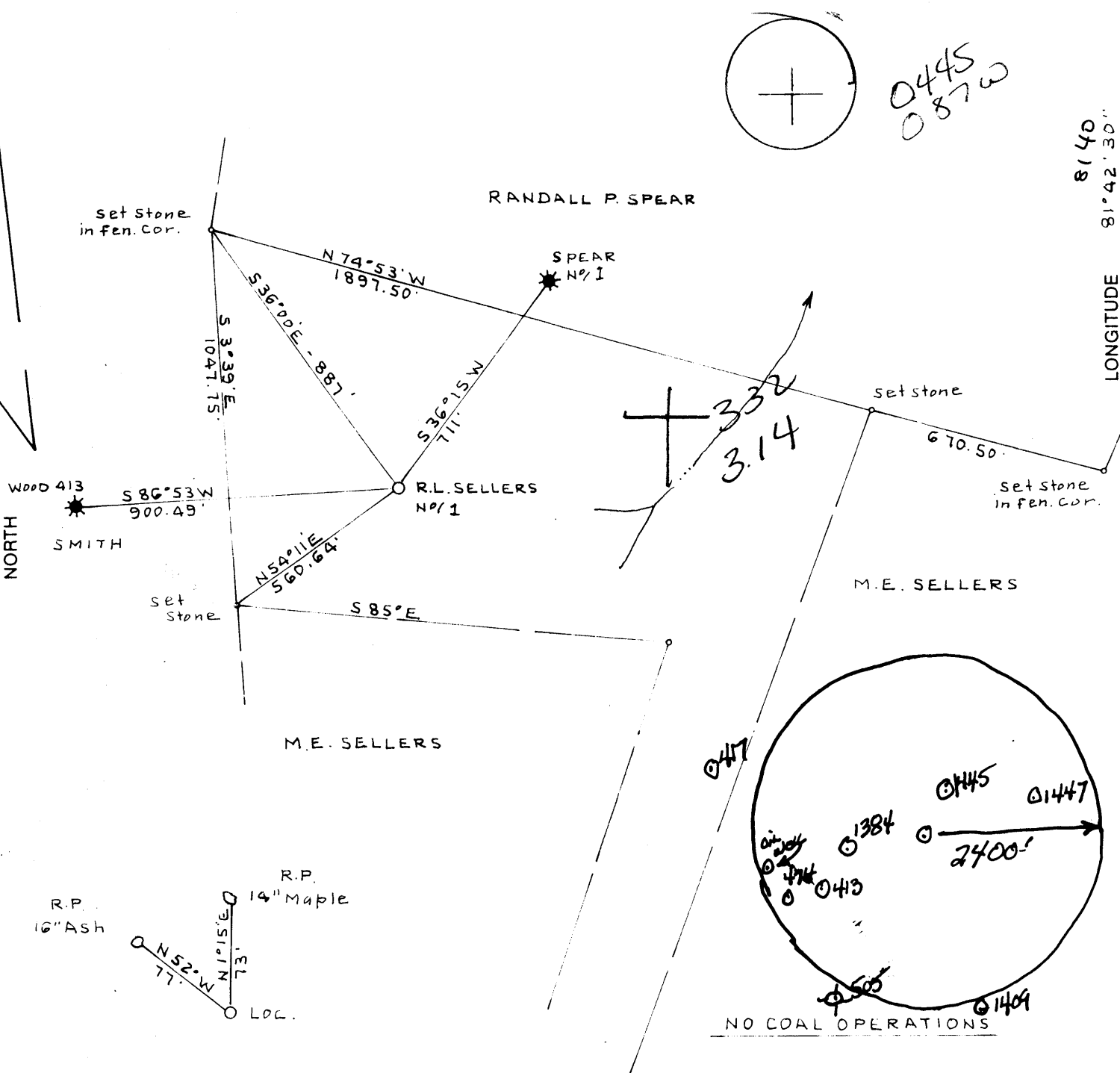


Jamie 8/21/89

LATITUDE 39°07'30" 4650' 3910

LONGITUDE 81°42'30" 8140' 2300'



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

FILE NO. BK 116 PG 90
 DRAWING NO. _____
 SCALE 1" = 400'
 MINIMUM DEGREE OF ACCURACY 1:200'
 PROVEN SOURCE OF ELEVATION Top Knob 1600' ± N.W. location E1 887'

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) C. J. Volley Jr.
 R.P.E. _____ L.L.S. 92

PLACE SEAL HERE

STATE OF WEST VIRGINIA
DEPARTMENT OF ENERGY
OIL AND GAS DIVISION



DATE AUG 5, 19 89
 OPERATOR'S WELL NO. R.L. SELLERS NO. 1
 API WELL NO.

47 - 107 - 1448
 STATE COUNTY PERMIT

WELL TYPE: OIL GAS LIQUID INJECTION _____ WASTE DISPOSAL _____
 (IF "GAS,") PRODUCTION STORAGE _____ DEEP _____ SHALLOW

LOCATION: ELEVATION 851.77' WATERSHED COVER RUN OF OHIO RIVER
 DISTRICT HARRIS 2 COUNTY WOOD
 QUADRANGLE POND CREEK 553 009 Belleville WC

SURFACE OWNER R.L. SELLERS ACREAGE 74
 OIL & GAS ROYALTY OWNER R.L. SELLERS LEASE ACREAGE 74

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 BEREA ESTIMATED DEPTH 2600'
 WELL OPERATOR H.D. WELLS OIL & GAS EXP. & DEV. DESIGNATED AGENT H.D. WELLS
 ADDRESS P.O. BOX 1785 CHARLESTON WV 25326 ADDRESS P.O. BOX 1785 CHARLESTON WV 25326

6-6 New England (296)

FORM WW-6 H.T. HALL 48673

COUNTY NAME PERMIT

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

Well Operator's Report of Well Work

Farm name: SELLERS, RUSSELL L. Operator Well No.: SELLERS #1

LOCATION: Elevation: 851.77 Quadrangle: POND CREEK

District: HARRIS County: WOOD
Latitude: 2300 Feet South of 39 Deg. 7 Min. 30 Sec.
Longitude 4650 Feet West of 81 Deg. 42 Min. 30 Sec.

Company: WELLS, H. D. OIL & GAS EX
POST OFFICE BOX 1785
CHARLESTON, WV 25326-0000

Agent: HARLEY D. WELLS

Inspector: GLEN P. ROBINSON
Permit Issued: 08/23/89
Well work Commenced: 09/22/89
Well work Completed: 09/29/89
Verbal Plugging
Permission granted on: _____
Rotary xx Cable _____ Rig
Total Depth (feet) 2212
Fresh water depths (ft) 191

Salt water depths (ft) 1156

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

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
8 5/8	481	481	140 sks
5 1/2	2268	2268	70 sks

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DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

OPEN FLOW DATA

Producing formation Berea Pay zone depth (ft) 2122
Gas: Initial open flow 30 MCF/d Oil: Initial open flow show 35 bbl/d
Final open flow 40 MCF/d Final open flow 2 bbl/d
Time of open flow between initial and final tests 8 Hours
Static rock Pressure 485 psig (surface pressure) after 4 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: [Signature]
WELLS, H. D. OIL & GAS EXP. & DEV. INC.

By: [Signature]
Date: 11/3/89

Perf: Berea 2120'-2122' 16 holes

Foam Frac: 50,000 lbs. 20/40/ sand
250 gal. methanol
491,000 scf. nitrogen

Formation	Top Ft.	Bottom Ft.	
Clay Red	0	120	
Shale Dark	120	195	Fresh water @ 191'
Sand & Shale	195	560	
Red Rock	560	825	
Shale	825	1100	
Sand-Salt	1100	1300	Salt Water @ 1156'
Shale	1300	1700	
Injun Sand	1700	1775	
Shale	1775	2120	
Berea	2120	2122	
Shale	2122	2212	Total Depth

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NOV 07 1988

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

107-1448

Issued 8/23/89 Expires 8/23/91

FORM WW-2B

Page 1 of 1

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

- 1) Well Operator: H. D. Wells Oil & Gas Exp. & Dev., Inc. 52900 (2)
- 2) Operator's Well Number: R. L. Sellers No. 1 3) Elevation: 851.77
- 4) Well type: (a) Oil or Gas
(b) If Gas: Production Underground Storage
Deep Shallow
- 5) Proposed Target Formation(s): Devonian Shale
- 6) Proposed Total Depth: 3800 feet
- 7) Approximate fresh water strata depths: 95' 401', 223'
- 8) Approximate salt water depths: 800' 1100', 1437'
- 9) Approximate coal seam depths: n/a OK None Reported
- 10) Does land contain coal seams tributary to active mine? Yes No
- 11) Proposed Well Work: Drill & 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.)
Conductor						380SP-18-1A3
Fresh Water	9 5/8"	J55		475'	475'	200 sacks
Coal						380SP-18-11.2.2
Intermediate	7"	J55		2000'	2000'	100 sacks
Production	4 1/2"	J55		3800'	3800'	380SP-18-11.1 1500 ft.
Tubing						
Liners						

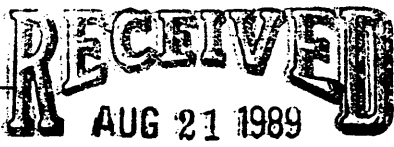
PACKERS : Kind _____
Sizes _____
Depths set _____

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AUG 21 1989

For Division of Oil and Gas Use Only

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

Fee(s) paid: 121 Well Work Permit 121 Reclamation Fund 121 WPCP



DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

- 1) Date: August 14, 1989
- 2) Operator's well number
R. L. Sellers No. 1
- 3) API Well No: 47 - 107 - 1448
State - County - Permit

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>Russell L. Sellers</u>
Address <u>#8 Oak Circle, Bickel Est.</u>
<u>Parkersburg, WV 26101</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>(c) Coal Lessee with Declaration</p> <p>Name <u>n/a</u>
Address _____</p> |
| <p>6) Inspector <u>Glen P. Robinson</u>
Address <u>Rt. 1, #6 Mt. Pleasant Est.</u>
<u>Mineral Wells, WV 26150</u>
Telephone <u>(304)-489-9162</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)

x 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 H. D. Wells Oil & Gas Exp. & Dev., Inc.
By: [Signature]
Its: President
Address P.O. Box 1785
Charleston, WV 25326
Telephone 346-2829

Subscribed and sworn before me this 14th day of August, 1989

[Signature]
Notary Public