

5-22-83

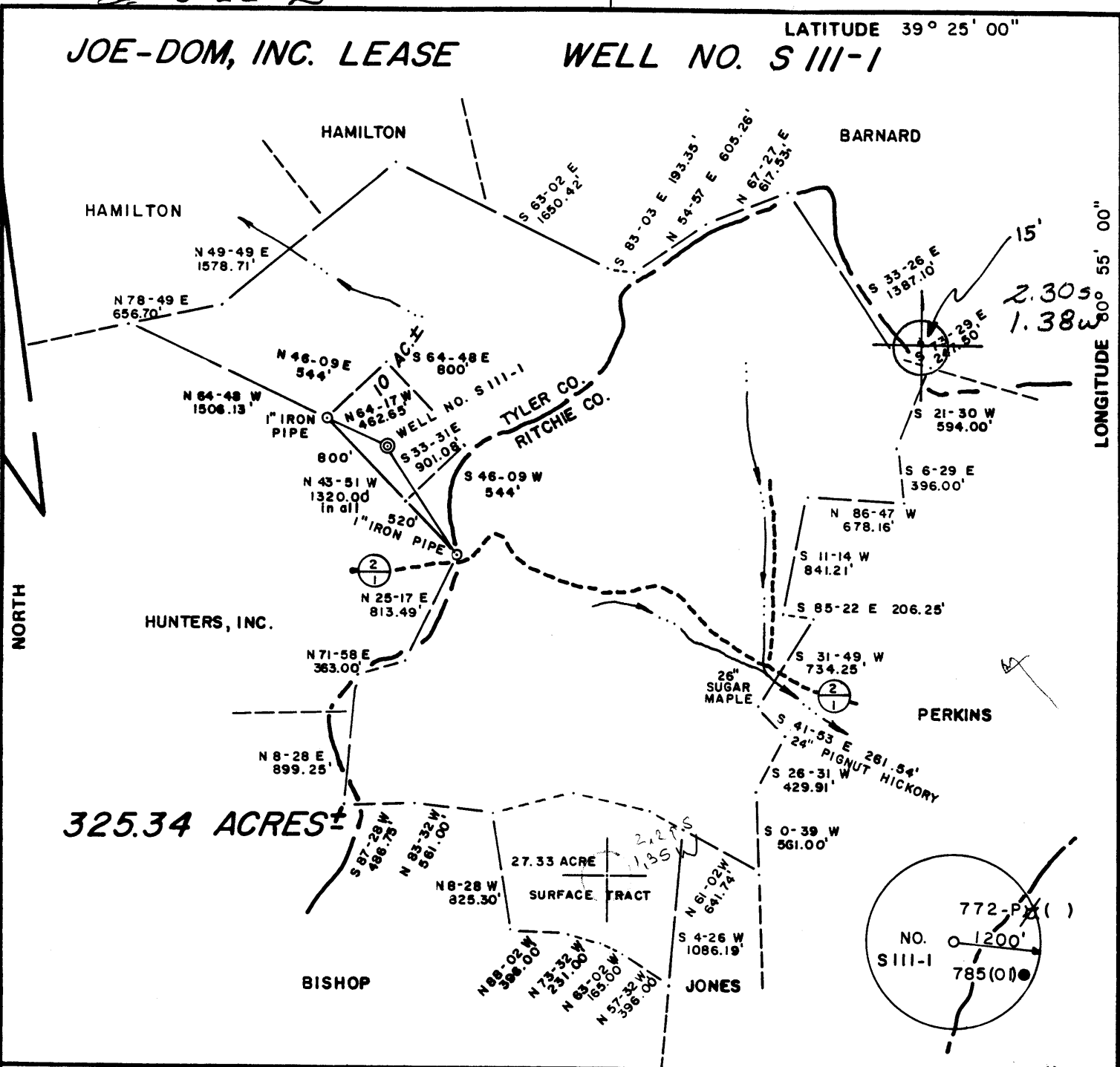
Plot Card CSD

7,120'

JOE-DOM, INC. LEASE

WELL NO. S III-1

LATITUDE 39° 25' 00"



FILE NO. 10-10
 DRAWING NO. _____
 SCALE 1" = 1000'
 MINIMUM DEGREE OF ACCURACY 1 / 200
 PROVEN SOURCE OF ELEVATION BM ELEV. 997'

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 MINES.
 (SIGNED) Gregory A. Smith
 R.P.E. _____ L.L.S. 677

PLACE SEAL HERE

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS
 FORM IV-6 (8-78)



DATE DEC. 30, 19 82
 OPERATOR'S WELL NO. S III-1
 API WELL NO. _____
47 - 095 - 1029
 STATE COUNTY PERMIT

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION

WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS.") PRODUCTION X STORAGE ___ DEEP ___ SHALLOW X
 LOCATION: ELEVATION 1178' WATER SHED NORTH FORK OF HUGHES RIVER
 DISTRICT MEADE COUNTY TYLER
 QUADRANGLE MIDDLEBOURNE 7.5' West Union 19' WC
 SURFACE OWNER JOE-DOM, INC. ACREAGE 352.67
 OIL & GAS ROYALTY OWNER JOE-DOM, INC. LEASE ACREAGE 10 of 325.34
 LEASE NO. _____
 PROPOSED WORK: DRILL X 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 MARCELLUS ESTIMATED DEPTH 5400' G-G Bearsville
 WELL OPERATOR GENE STALNAKER, INC. DESIGNATED AGENT GENE STALNAKER
 ADDRESS P.O. BOX 178 ADDRESS P.O. BOX 178
GLENVILLE, W.V. 26351 GLENVILLE, W.V. 26351

MAY 31 1983 (086)



Date September 23, 1983
Operator's Well No. S-111-1
Farm Dom
API No. 47 - 095 - 1029

RECEIVED
SEP 23 1983

State of West Virginia
Department of Mines
Oil and Gas Division

OIL & GAS DIVISION
DEPT. OF MINES WELL OPERATOR'S REPORT
OF
DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

WELL TYPE: Oil / Gas X / Liquid Injection / Waste Disposal /
(If "Gas," Production / Underground Storage / Deep / Shallow X /)

LOCATION: Elevation: 1178 Watershed North Fork of Hughes River
District: Meade County Tyler Quadrangle Middlebourne 7.4

COMPANY Gene Stalnaker, Inc.
ADDRESS P.O. Box 178 Glenville, WV
DESIGNATED AGENT Gene Stalnaker
ADDRESS P.O. Box 178 Glenville, WV
SURFACE OWNER Joe Dom, Inc.
ADDRESS 421 Ryders Lane, E. Brunswick, NJ
MINERAL RIGHTS OWNER Joe Dom, Inc.
ADDRESS 421 Ryders Lane, E. Brunswick, NJ
OIL AND GAS INSPECTOR FOR THIS WORK Robert Lowther ADDRESS Gen. Del Middlebourne, WV
PERMIT ISSUED May 23, 1983
DRILLING COMMENCED August 23, 1983
DRILLING COMPLETED September 15, 1983
IF APPLICABLE: PLUGGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED ON

Casing & Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft.
Size 20-16 Cond.			
13-10"	40'		
9 5/8			
8 5/8	1296'	1296'	300 sks
7			
5 1/2			
4 1/2		5320'	600 sks
3			
2			
Liners used			

GEOLOGICAL TARGET FORMATION Devonian Shale Depth 5419 feet
Depth of completed well 5320 feet Rotary X / Cable Tools
Water strata depth: Fresh 155 feet; Salt feet
Coal seam depths: Is coal being mined in the area? No

OPEN FLOW DATA
Producing formation Devonian Shale Pay zone depth 2958-5122 feet
Gas: Initial open flow Mcf/d Oil: Initial open flow Bbl/d
Final open flow 890,000 Mcf/d Final open flow Bbl/d
Time of open flow between initial and final tests 48 hours
Static rock pressure 1260 psig (surface measurement) after 24 hours shut in
(If applicable due to multiple completion--)
Second producing formation Pay zone depth feet
Gas: Initial open flow Mcf/d Oil: Initial open flow Bbl/d
Final open flow Mcf/d Oil: Final open flow Bbl/d
Time of open flow between initial and final tests hours
Static rock pressure psig (surface measurement) after hours shut in

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

Stage 1	22 Holes	^{Muron - Anyoler} 4672-5122	721,500 Nitrogen	500 Gal. 15% HCL
Stage 2	20 Holes	^{Muron} 4026-4638	739,000 Nitrogen	500 Gal. 15% HCL
Stage 3	27 Holes	^{Up Dev} ^{Muron} 3390-3887	769,000 Nitrogen	500 Gal. 15% HCL
Stage 4	27 Holes	^{Up Dev} 2958-3300	759,000 Nitrogen	500 Gal. 15% NCL

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fresh and salt water, coal, oil and gas
KB-GL			0	10	
Clay, Rock, Sand, Red Rock			10	1900	
Sandstone, Red Rock, Shale			1900	2130	
Little Lime			2130	2152	
Rencil Cave			2152	2170	
Big Lime			2170	2200	
Big Injun			2200	2274	
Squaw			2274	2306	
Siltstone			2306	2490	
Weir			2490	2590	
Silty Shale			2590	2640	
Coffee Shale			2640	2644	
Berea			2644	2650	
Silty Shale			2650	2860	
Gordon			2860	2888	
Shale			2888	2914	
Fourth Sand			2914	2928	
Silty Shale			2928	3060	
Fifth Sand			3060	3078	
Silty Shale			3078	3336	
Warren			3336	3397	
Silty Shale			3397	3600	
Speechly			3600	3664	
Shale			3664	3700	
Balltown			3700	4046	
Silty Shale			4046	4501	
Bradford			4501	4526	
Shale			4526	4719	
First Riley			4719	4765	
Shale			4765	4920	
Second Riley			4920	4970	
Shale			4970	5088	
Benson			5088	5101	
Shale			5101	5362	
Alexander			5362	5370	
Shale			5370	5419	

5419
2650
2769
Rhine Street @ 1B

(Attach separate sheets as necessary)

Gene Stalnaker, Inc.

Well Operator

By: Gene Stalnaker

Date: September 23, 1983

Note: Regulation 2.02(i) provides as follows:
"The term 'log' or 'well log' shall mean a systematic detailed geological record of all formations, including ... encountered in the drilling of a well."



1) Date: May 17, 19 83
 2) Operator's Well No. Dom S-111-1
 3) API Well No. 47 095 1079
 State County Permit

DRILLING CONTRACTOR:

Gene Stalnaker, Inc.

P.O. Box 178
Glenville, WV 26351

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

OIL AND GAS WELL PERMIT APPLICATION

- 4) WELL TYPE: A Oil _____ / Gas x /
 B (If "Gas", Production _____ / Underground storage _____ / Deep _____ / Shallow x /)
- 5) LOCATION: Elevation: 1178 / Watershed: North Fork Hushes River
 District: Meade / County: Tyler / Quadrangle: Middlebourne 7.5
- 6) WELL OPERATOR Gene Stalnaker
 Address P.O. Box 178
Glenville, WV 26351
- 7) OIL & GAS ROYALTY OWNER Joa Dom Inc.
 Address 421 Ryders Lane
East Brunswick, NJ 08816
 Acreage 10 of 325.34
- 8) SURFACE OWNER Joa Dom Inc.
 Address 421 Ryders Lane
East Brunswick, NJ 08816
 Acreage 352.67
- 9) FIELD SALE (IF MADE) TO:
 Address _____
- 10) OIL & GAS INSPECTOR TO BE NOTIFIED
 Name Robert Lowther
 Address General Delivery Middlebourne, WV
758-4764
- 11) DESIGNATED AGENT Gene Stalnaker
 Address P.O. Box 178
Glenville, WV 26351
- 12) COAL OPERATOR n/a
 Address _____
- 13) COAL OWNER(S) WITH DECLARATION ON RECORD:
 Name _____
 Address n/a
 Name _____
 Address _____
- 14) COAL LESSEE WITH DECLARATION ON RECORD:
 Name _____
 Address _____
- 15) PROPOSED WORK: Drill x / Drill deeper _____ / Redrill _____ / Fracture or stimulate _____
 Plug off old formation _____ / Perforate new formation _____
 Other physical change in well (specify) _____
- 16) GEOLOGICAL TARGET FORMATION, Devonian Shale
- 17) Estimated depth of completed well, 5400 feet
- 18) Approximate water strata depths: Fresh, 150 feet; salt, _____ feet.
- 19) Approximate coal seam depths: n/a Is coal being mined in the area? Yes _____ / No x /

20) CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SPECIFICATIONS					FOOTAGE INTERVALS		CEMENT FILL-UP OR SACKS (Cubic feet)	PACKERS
	Size	Grade	Weight per ft.	New	Used	For drilling	Left in well		
Conductor	<u>113/4</u>				<u>x</u>	<u>40'</u>			Kinds
Fresh water									
Coal									Sizes
Intermediate	<u>8 5/8</u>	<u>CW</u>	<u>23lb</u>	<u>x</u>		<u>1275'</u>	<u>1275'</u>	<u>To Surface</u>	<u>NEAT</u>
Production	<u>4 1/2</u>	<u>ERW</u>	<u>10.50</u>	<u>x</u>			<u>5400'</u>	<u>2000' Fill</u>	Depths set
Tubing								<u>Up</u>	
Liners									Perforations:
									Top Bottom

21) EXTRACTION RIGHTS

Check and provide one of the following:

- Included is the lease or leases or other continuing contract or contracts by which I hold the right to extract oil or gas.
 The requirement of Code 22-4-1(c) (1) through (4). (See reverse side for specifics.)

22) ROYALTY PROVISIONS

Is the right to extract, produce or market the oil or gas based upon a lease or other continuing contract or contracts providing for flat well royalty or any similar provision for compensation to the owner of the oil or gas in place which is not inherently related to the volume of oil or gas so extracted, produced or marketed? Yes No

If the answer above is No, nothing additional is needed. If the answer is Yes, you may use Affidavit Form IV-60.

23) Required Copies (See reverse side.)

24) Copies of this Permit Application and the enclosed plat and reclamation plan have been mailed by registered mail or delivered by hand to the above named coal operator, coal owner(s), and coal lessee on or before the day of the mailing or delivery of this Permit Application to the Department of Mines at Charleston, West Virginia.

Notary: _____

Signed: President

My Commission Expires _____

Its: _____

OFFICE USE ONLY

DRILLING PERMIT

Permit number 47-095-1030 Date May 23 19 83

This permit covering the well operator and well location shown below is evidence of permission granted to drill in accordance with the pertinent legal requirements subject to the conditions contained herein and on the reverse hereof. Notification must be given to the District Oil and Gas Inspector. (Refer to No. 10) Prior to the construction of roads, locations and pits for any permitted work. In addition, the well operator or his contractor shall notify the proper district oil and gas inspector 24 hours before actual permitted work has commenced.)

Permit expires January 23, 1984 unless drilling is commenced prior to that date and prosecuted with due diligence.

Bond:	Agent:	Plat:	Casing:	Fee:

Administrator, Office of Oil and Gas

Line Item Explanation

- 1) Date of Application
2) Your well name and number
3) To be filled out by office of oil & gas
4A) 'Oil' means natural crude oil or petroleum and other hydrocarbons, regardless of gravity, which are produced at the well in liquid form by ordinary production methods and which are not the result of condensation of gas after it leaves underground reservoirs: 'Gas' means all natural gas and all other fluid hydrocarbons not defined as oil.
4B) 'Shallow well' means any well drilled and completed in a formation above the top of the uppermost member of the 'Onondaga Group' or a depth less than six thousand feet, whichever is shallower.
'Deep well' means any well drilled and completed in a formation at or below the top of the uppermost member of the 'Onondaga Group' or at a depth less than six thousand feet, whatever is shallower.
5) Where well is located
6) Before a permit can be issued in a corporation, company partnership, or fictitious name, the name must be registered with the Secretary of State Office
7) Use separate sheet if necessary
8) Present surface owner at time application is filed.
9) Optional
11) See Reg. 7.01 relating to code §22-4-1k
12) 'Coal Operator' means any persons, firm, partnership, partnership association or corporation that proposes to or does operate a coal mine. See Note 24
13 & 14) As per §22-4-20; See Note 24
15) Work that will be attempted—A separate Form IV-2 shall not be required for fracturing or stimulating a well where fracturing or stimulating is to be part of the work for which a permit is sought and is noted as such on the Form IV-2 filed in connection therewith.
16) Anticipated formation for which well will be completed
17) Self explanatory
18) Depth to deepest freshwater, and shallowest salt water, taken from nearby wells corrected for differences in elevation
19) All coal seam depths
20) Proposed casing program and cementing refer to Code 22-4-5, 22-4-6, 22-4-7, 22-4-8, 22-4-8a Reg 9.01, 15.01, 15.02, 15.03, 15.04, 25.01, 25.02, 25.03, 25.04
21) Code 22-4-11(c) - In lieu of filing the lease or leases or other continuing contract or contracts, the applicant for a permit described herein may file the following:
(1)A brief description of the tract of land including the district and county wherein the tract is located;
(2)The identification of all parties to all leases or other continuing contractual agreements by which the right to extract, produce or market the oil or gas is claimed;
(3)The book and page number wherein each such lease or contract by which the right to extract, produce or market the oil or gas is recorded;
(4)A brief description of the royalty provisions of each such lease or contract.
22) Code 22-4-11(d) and 22-4-11(e).
23) Regulation 7.02 of the Department of Mines provides that the original and four copies of Form IV-2 must be filed with the Department, accompanied by (i) a plat in the form prescribed by Regulation 11, (ii) a bond in one of the forms prescribed by Regulation 12, or in lieu thereof the other security allowed by Code §22-4-2, (iii) Form IV-9, 'Reclamation Plan', applicable to the reclamation required by Code §22-4-12b and Regulation 23, (iv) unless previously paid on the same well, the fee required by Code §22-4-12a, and (v) if applicable, the consent required by Code §22-4-8a from the owner of any water well or dwelling within 200 feet of the proposed well.
24) The above named coal operator, coal owner(s), and coal lessee are hereby notified that any objection they wish to make or are required to make by Code §22-4-3 must be filed with the Department of Mines within fifteen (15) days after the receipt of this Application by the Department.

The following waiver must be completed by the coal operator and by any coal owner or coal lessee who has recorded a declaration under Code 22-4-20, if the permit is to be issued within fifteen (15) days of receipt thereof.

WAIVER

The undersigned coal operator _____/ owner _____/ lessee _____/of the coal under this well location has examined this proposed well location. If a mine map exists which covers the area of the well location, the well location has been added to the mine map. The undersigned has no objection to the work proposed to be done at this location, provided, the well operator has complied with all applicable requirements of the West Virginia Code and the governing regulations.

Date: _____, 19 _____

By _____

Its _____