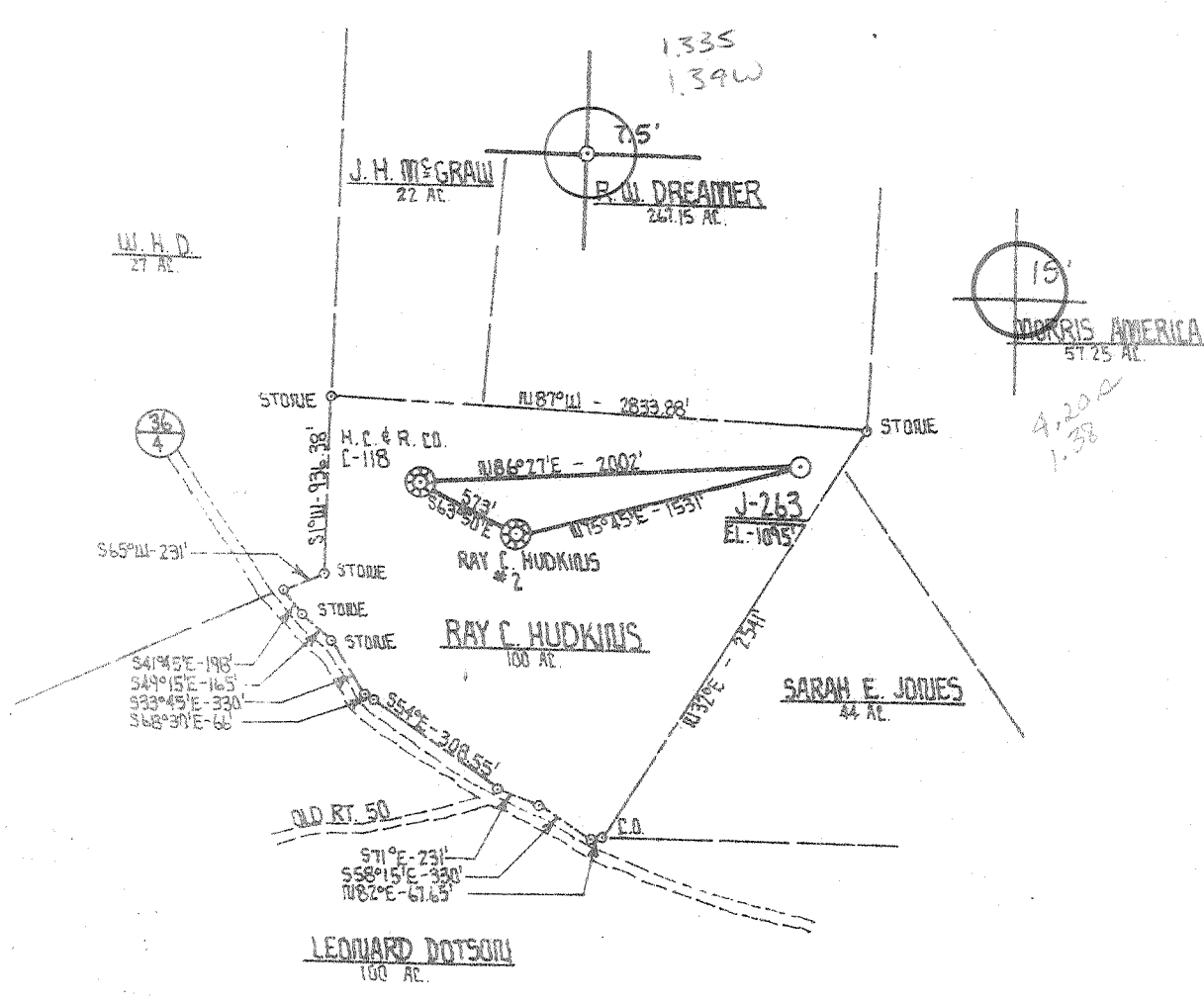


Latitude 39° 17' 30"  
(15') 39° 20'

Longitude 80° 50' 00"

1.33  
2.88  
0.81

4.200  
1.38



New Location   
Drill Deeper   
Abandonment

Minimum Error of Closure 1 PART. IN 200  
Source of Elevation J & J ENTERPRISES, INC. WELL # K-8-1  
ELEV. - 1200'

"I, the undersigned, hereby certify that this map is correct to the best of my knowledge and belief and shows all the information required by paragraph 6 of the rules and regulations of the oil and gas section of the mining laws of West Virginia."

Company J & J ENTERPRISES, INC.  
 Address P.O. BOX 48 BUCKHEDDON, W. VA. 26201  
 Farm RAY C. HUDKINS  
 Tract \_\_\_\_\_ Acres 100 Lease No. K-931  
 Well (Farm) No. \_\_\_\_\_ Serial No. J-263  
 Elevation (Spirit Level) 1095'  
 Quadrangle WEST WOOD 7.5' & 15' SE  
 County DODDRIE District CENTRAL  
 Engineer Wesley L. Whaley  
 Engineer's Registration No. 530 LLS  
 File No. \_\_\_\_\_ Drawing No. \_\_\_\_\_  
 Date 4/11/80 Scale 1" = 1,000'

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

WELL LOCATION MAP  
FILE NO. 017-2681

(WCO 017 11378)

⊕ Denotes location of well on United States Topographic Maps, scale 1 to 62,500 latitude and longitude lines being represented by border lines as shown.

— Denotes one inch spaces on border line of original tracing.

RECEIVED  
MAY 22 1980

Date: 5-21-80  
Operator's Well No. J-263  
API Well No. 1017 2681  
State County: Putnam

OIL & GAS DIVISION  
DEPT. OF MINES

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

WELL OPERATOR'S REPORT 7

3P  
DRILLING, REABLING AND/OR REWORKING OR OTHER CHANGE

WELL TYPE: Oil / Gas  / Liquid Injection / Waste Disposal

LOCATION: Elevation: 1095 / Undergrnd storage: / Deep / Shallow  
District: Central / Watershed: Leason Run / County: Doddridge / Quadrangle: West Union

WELL OPERATOR: J & J Enterprises, Inc. / DESIGNATED AGENT: H.L. Barnett  
Address: Box 48 / Address: Box 48  
Buckhannon, WV 26201 / Buckhannon, WV 26201

PERMITTED A RE:  /  /  /  /  Fracture or stimulate  
Plug off the Cornell / Perforate new formation  
Other special: none in well (specify)

PERMIT NUMBER: 4-15 / 80 / DID & GAS INSPECTOR FOR THIS WORK: Paul Garrett  
APPLICANT: Alexander / Address: 321 Beech St. / Clarksburg, WV 26301

Depth of casing: 5540 feet / Rotary  / Cable Tools  
Water depth: 81 feet / None  
None / Is coal being mined in the area: No  
Work was done: 4-25 to 5-1, and completed 5-1, 80

DATE	TIME	DEPTH	TYPE	PACKAGE INTERVALS		PERMIT FEEL- TO BE CARRIED	PACKETS	
				START	STOP			
5-1-80	13:40-40	42	x	30	0	0 sks	None	
5-1-80	5/BERW	23	x	1702.80	1702.80	400 sks		
5-1-80	5/BERW	23	x	1702.80	1702.80	400 sks		
5-1-80	1/4J-55	10.5	x	5423.15	5423.15	510 sks		
							3500	3518
							4044	4048
							4380	4384
							5330	5350

OPEN WELL DATA  
Producing from: Alexander / 5330-5350 feet  
Initial flow rate: 48 gpm  
Final flow rate: 25 gpm

Combined

Static well pressure: 915 psi (surface well) after 25  
3500-18 Warren  
4044-48 Balltown  
4380-84 Bradford

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

**Alexander: Perforations: 5330-5350 (14 holes)**  
 Fracturing: 500 gal Acid: 15,000 lbs 80/100 Sand: 30,000 lbs 20/40 Sand: 485 Bbls. Fluid.

**Bradford: Perforations: 4380-84 (6 holes) 4424-30 (6 holes)**  
 Fracturing: 500 gal Acid: 10,000 lbs 80/100 Sand: 20,000 lbs 20/40 Sand: 355 Bbls Fluid.

**Balltown: Perforations: 4044-48 (13 holes)**  
 Fracturing: 500 gal Acid: 15,000 lbs. 80/100 Sand: 30,000 lbs 20/40 Sand: 469 Bbls Fluid.

**Warren: Perforations: 3500-02 (4 holes) 3514-18 (8 holes)**  
 Fracturing: 500 gal Acid: 10,000 lbs. 80/100 Sand: 20,000 lbs. Sand: 341 Bbls Fluid

WELL LOG

FORMATION	Color	Hard or Soft	Top Feet	Bottom Feet	Remarks Including indicator of gas, steam and salt water, coal, oil and gas
Clay			0	5	
Shale & Red Rock			5	40	
Sand			40	50	Damp @ 81'
Shale & Red Rock			50	90	
Sand			90	100	
Sand & Shale			100	172	
Sand			172	200	
Sand & Shale			200	225	
Sand			225	265	
Shale, Red Rock & Sand			265	685	
Sand			685	780	
Sand & Shale			780	785	
Red Rock			785	790	
Shale & Sand			790	830	
Sand & Shale			830	855	
Red Rock			855	950	
Sand & Shale			950	965	
Red Rock & Shale			965	1060	
Sand			1060	1095	
Sand & Shale			1095	1135	
Shale			1135	1140	
Shale & Red Rock			1140	1150	
Sand			1150	1167	
Sand			1167	1175	
Shale & Red Rock			1175	1180	
Sand & Shale			1180	1185	
Sand			1185	1380	
Sand & Shale			1380	1440	
Sand			1440	1470	
Sand & Shale			1470	1635	1/4" stream water @ 1630'
Sand			1635	1710	
Sand & Shale			1710	1985	
Sand			1985	2030	

Attach separate sheets if complete as necessary

J & J Enterprises, Inc.

Well Operator

*Daniel J. Stankiewicz*

Daniel J. Stankiewicz Geologist

1977 Regulation 2.20's provides as follows:

"The term 'log' as used in this regulation means a systematic, recorded sequential record of all formations including logs, encountered in the drilling of a well."

FORMATION	Color	Hard or Soft	Top Feet	Bottom Feet	Excluding inclusion of sand, shale and salt water, total thickness
Sand & Shale			2030	2055	
Lime & Shale			2055	2100	
Big Lime			2100	2184	
Big Injun			2184	2230	
Shale			2230	2394	
Weir			2394	2518	
Sand & Shale			2518	2990	Gas @ 2848 2/10 thru 1/2" w/water
5th Sand			2990	2998	
Sand & Shale			2998	3452	
Speechley			3452	3504	
Sand & Shale			3504	3818	
Balltown			3818	4050	
Sand & Shale			4050	4362	
Bradford			4362	4432	
Sand & Shale			4432	5040	
Benson			5040	5044	
Sand & Shale			5044	5388	
Alexander			5388	5370	
Shale			5370	5540	T.D. 5540

D-2671

FORMATION	Color	Hard or Soft	Top Feet	Bottom Feet	Remarks Including indication of all tests and salt water, coal, etc.
Sand & Shale			2030	2055	
Lime & Shale			2055	2100	
Big Lime			2100	2184	
Big Injun			2184	2230	
Shale			2230	2394	
Weir			2394	2518	
Sand & Shale			2518	2990	Gas @ 2848 2/10 thru 1/2" w/water
5th Sand			2990	2998	
Sand & Shale			2998	3452	
Speechley			3452	3504	
Sand & Shale			3504	3818	
Balltown			3818	4050	
Sand & Shale			4050	4362	
Bradford			4362	4432	
Sand & Shale			4432	5040	
Benson			5040	5044	
Sand & Shale			5044	5388	
Alexander			5388	5370	
Shale			5370	5540	T.D. 5540

Req. 5/17/83

JUN 17 1980  
(Batch 5127180)

[08-78]

OIL AND GAS WELL PERMIT APPLICATION

Operator's J-263  
Well No. \_\_\_\_\_

API Well No. 47 - 017 - 2681  
State County Permit \_\_\_\_\_

WELL TYPE: Oil \_\_\_ / Gas X /  
(If "Gas", Production X / Underground storage \_\_\_ / Deep \_\_\_ / Shallow X /)

LOCATION: Elevation: 1095 Watershed: Leason Run  
District: Central County: Doddridge Quadrangle: West Union

WELL OPERATOR J & J Enterprises, Inc.  
Address Box 48  
Buckhannon, WV 26201

DESIGNATED AGENT H.L. Barnett  
Address Box 48  
Buckhannon, WV 26201

OIL & GAS ROYALTY OWNER Ray Hudkins/Harry & Sarah Ash  
Address Rt. 1, Box 36  
Greenwood, WV 26360

COAL OPERATOR None  
Address \_\_\_\_\_

SURFACE OWNER Ray Hudkins/Gussie Ellifrett  
Address Rt. 1, Box 36  
Greenwood, WV 26360  
Acreage 100

COAL OWNER(S) WITH DECLARATION ON RECORD:  
Name Ray Hudkins/Gussie Ellifrett  
Address Rt. 1, Box 36  
Greenwood, WV 26360

FIELD SALE (IF MADE) TO:  
Name \_\_\_\_\_  
Address \_\_\_\_\_

COAL LESSEE WITH DECLARATION ON RECORD:  
Name None  
Address \_\_\_\_\_

OIL & GAS INSPECTOR TO BE NOTIFIED  
Name Paul Garrett  
Address 321 Beech St.  
Clarksburg, WV 26301

RECEIVED  
APR 15 1980

OIL & GAS DIVISION  
DEPT. OF MINES

The undersigned well operator is entitled to operate for oil or gas purposes at the above location under a deed \_\_\_ / lease X / other contract \_\_\_ / dated 5-25, 1971, to the undersigned well operator from Ray Hudkins

[If said deed, lease, or other contract has been recorded:]

Recorded on 6-7, 1971, in the office of the Clerk of the County Commission of Doddridge County, West Virginia, in Deed Book 95 at page 184. A permit is requested as follows:

PROPOSED WORK: Drill X / Drill deeper \_\_\_ / Redrill \_\_\_ / Fracture or stimulate X /  
Plug off old formation \_\_\_ / Perforate new formation \_\_\_ /  
Other physical change in well (specify) \_\_\_\_\_

--claimed as shown on the work order on the reverse side hereof.

The above named coal operator, coal owner(s), and coal lessee are hereby notified that any application 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.

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

PLEASE SUBMIT COPIES OF ALL  
PHYSICAL LOGS DIRECTLY TO:  
WEST VIRGINIA OIL AND GAS  
CONSERVATION COMMISSION  
100 WASHINGTON STREET EAST  
CHARLESTON, WV 25311  
TELEPHONE: (304) 348-3092

BLANKET BOND

J & J Enterprises, Inc.

Well Operator

By Peter Battles  
Peter Battles  
Its Geologist

[08-78]

PROPOSED WORK ORDER

THIS IS AN ESTIMATE ONLY:  
ACTUAL INFORMATION MUST BE SUBMITTED ON FORM IV-35 UPON COMPLETION

DRILLING CONTRACTOR (IF KNOWN) S.W. Jack Drilling Company  
Address Box 48  
Buckhannon, WV 26201

GEOLOGICAL TARGET FORMATION, Alexander

Estimated depth of completed well, 5550 feet Rotary  / Cable tools  /

Approximate water strata depths: Fresh,          feet; salt,          feet.

Approximate coal seam depths: None Is coal being mined in the area? Yes  / No

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	113/4H-40		42	x		30	30	0	Kinds
Fresh water	8 5/8 ERW		23	x		1720	1720	310 sks	
Coal	8 5/8 ERW		23	x		1720	1720	310 sks	Sizes
Intermediate									
Production	4 1/2J-55		10.5	x		5480	5480	350 sks	Depths set
Tubing									
Liners									Perforations:
									Top Bottom

NOTE: 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 drilling within 200 feet of the proposed well.

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 **THIS PERMIT MUST BE POSTED AT THE WELL SITE** in connection therewith.

All provisions being in accordance with Chapter 22, of the W. Va. Code, the location is hereby approved for drilling. This permit shall expire if operations have not commenced by 12-15-80.

[Signature]  
Deputy Director - Oil & Gas Division

The following conditions shall be complied with by the well operator and by any coal owner or coal lessee who has received a Reclamation under Code § 22-4-20, if the permit is to be issued within fifteen (15) days of receipt thereof:

W A I V E R

The undersigned well 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:         , 1980

By           
Its