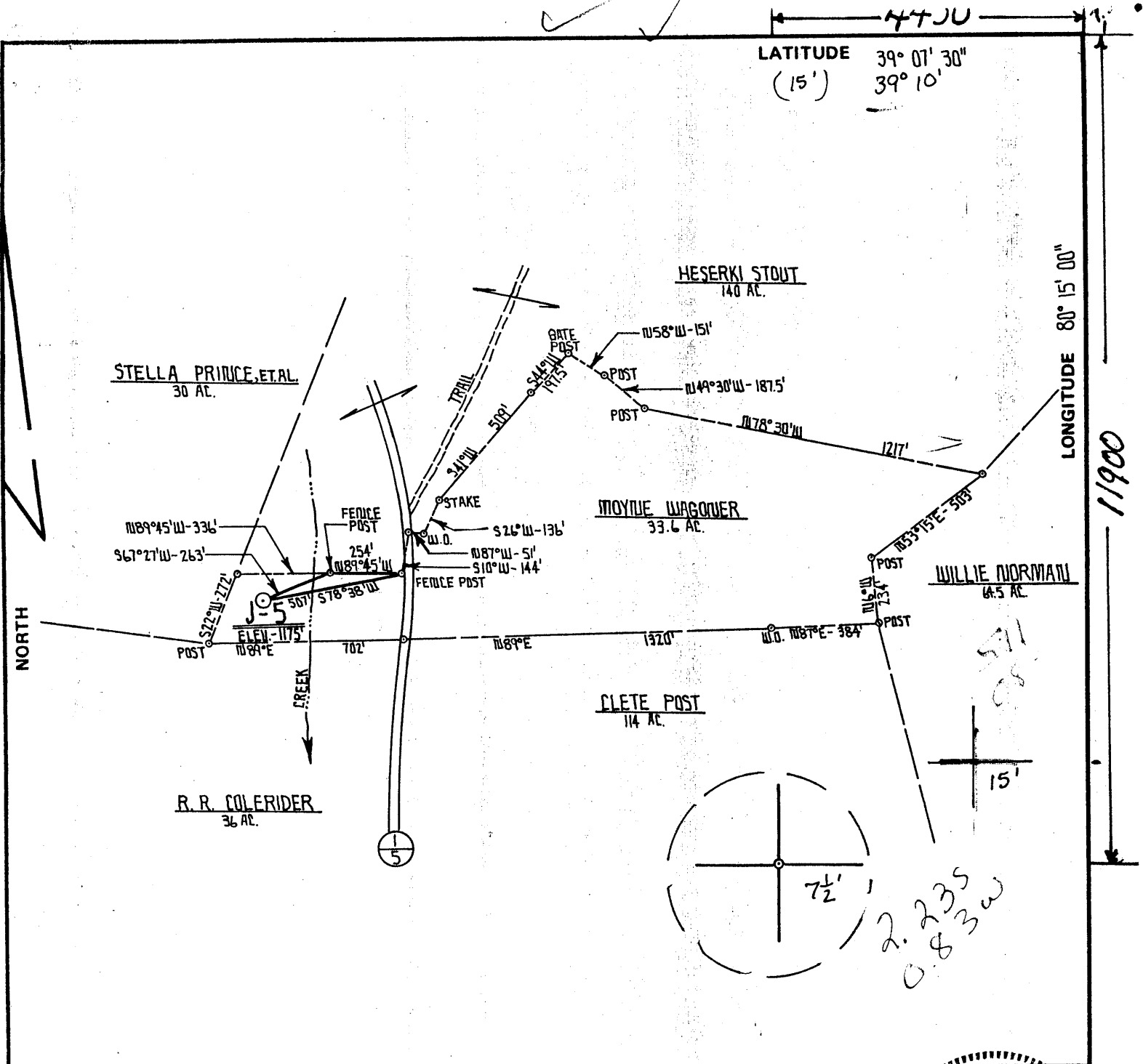


4750  
 LATITUDE 39° 01' 30"  
 (15') 39° 10'



FILE NO. \_\_\_\_\_  
 DRAWING NO. \_\_\_\_\_  
 SCALE 1" = 500'  
 MINIMUM DEGREE OF ACCURACY 1 PART IN 200  
 PROVEN SOURCE OF ELEVATION INT. RT. V5 & FARM RD. 1.4 MILES NORTH OF RT. 1. ELEV. -1164'

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) Daniel L. Wheeler  
 R.P.E. \_\_\_\_\_ L.L.S. 530



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



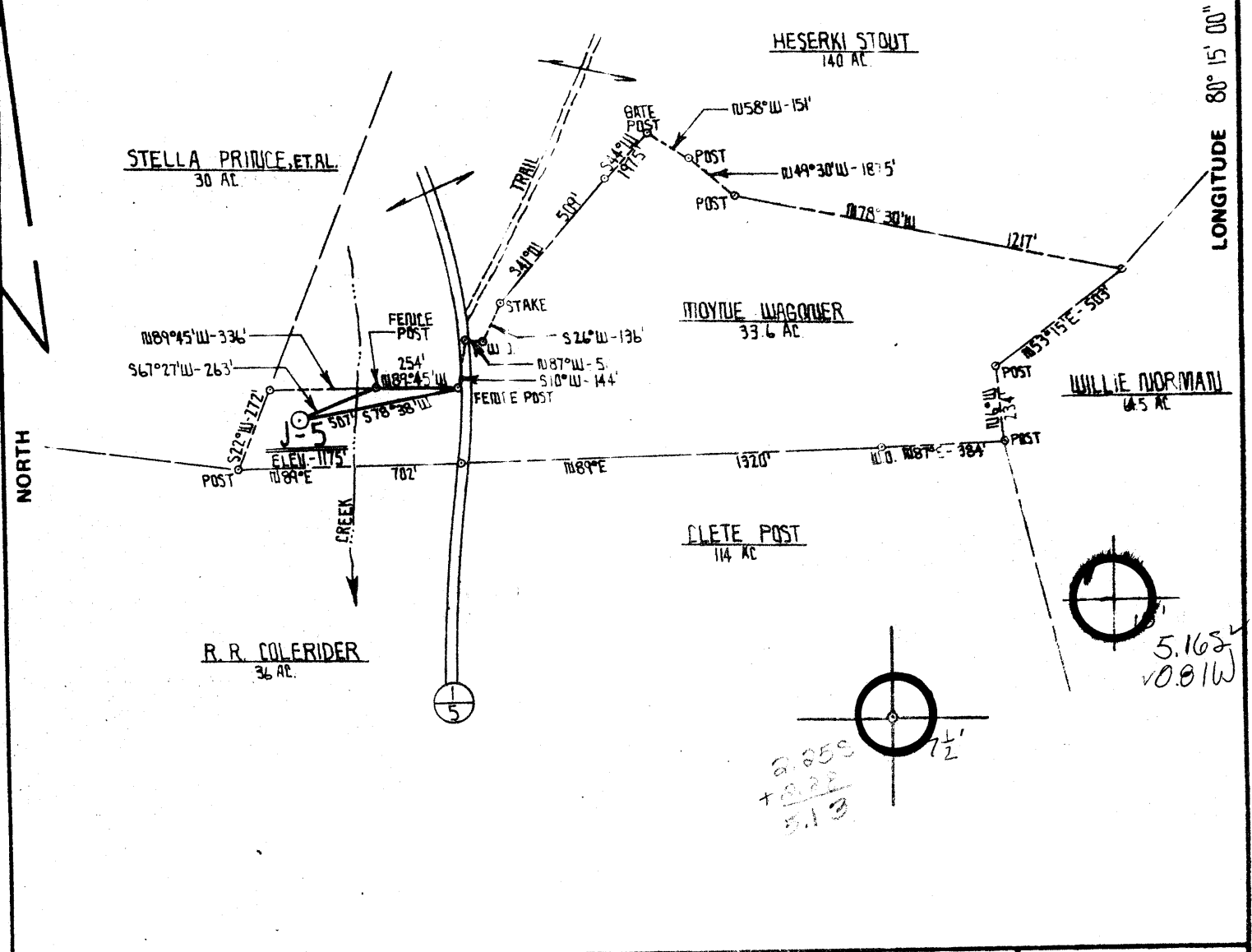
DATE MAY 9, 19 80  
 OPERATOR'S WELL NO. J-5 Revised  
 API WELL NO. 47 - 097 - 2063 REV-P  
 STATE COUNTY PERMIT Redrill

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 1175' WATER SHED HACKERS CREEK  
 DISTRICT WARREN 5 COUNTY UPSHUR  
 QUADRANGLE BERLIN 7.5 WESTON 15 245 132 E66  
 SURFACE OWNER BETSYLE BOHN & MOYNE WAGONER ACREAGE 33.6  
 OIL & GAS ROYALTY OWNER MOYNE WAGONER & BETSYLE BOHN LEASE ACREAGE 33.6  
 LEASE NO. J & J  
 PROPOSED WORK: DRILL X CONVERT \_\_\_ DRILL DEEPER \_\_\_ REDRILL \_\_\_ FRACTURE OR STIMULATE X PLUG OFF OLD FORMATION \_\_\_ PERFORATE NEW FORMATION \_\_\_ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) REVISED LOCATION #2 STAKE DEC 21 1997  
 PLUG AND ABANDON \_\_\_ CLEAN OUT AND REPLUG \_\_\_  
 TARGET FORMATION Fox Benson ESTIMATED DEPTH 5300' - 5800'  
 WELL OPERATOR Dennis Petroleum DESIGNATED AGENT R. Dennis XANDER  
 ADDRESS Rt 5 P.O. BOX 560 BUCKHANNON, W. VA. 26201 ADDRESS Rt 5 P.O. BOX 560 BUCKHANNON, W. VA. 26201

LATITUDE 39° 07' 30"  
(15') 39° 10'

LONGITUDE 80° 15' 00"



FILE NO. \_\_\_\_\_  
 DRAWING NO. \_\_\_\_\_  
 SCALE 1" = 500'  
 MINIMUM DEGREE OF ACCURACY 1 PART 101 200  
 PROVEN SOURCE OF ELEVATION INT. RT. 1/5 & FARM RD. 1.4 MILES NORTH OF RT. 1. ELEV. - 1164'

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) Amie L. Wheeler  
 R.P.E. \_\_\_\_\_ L.L.S. 530

PLACE SEAL HERE

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



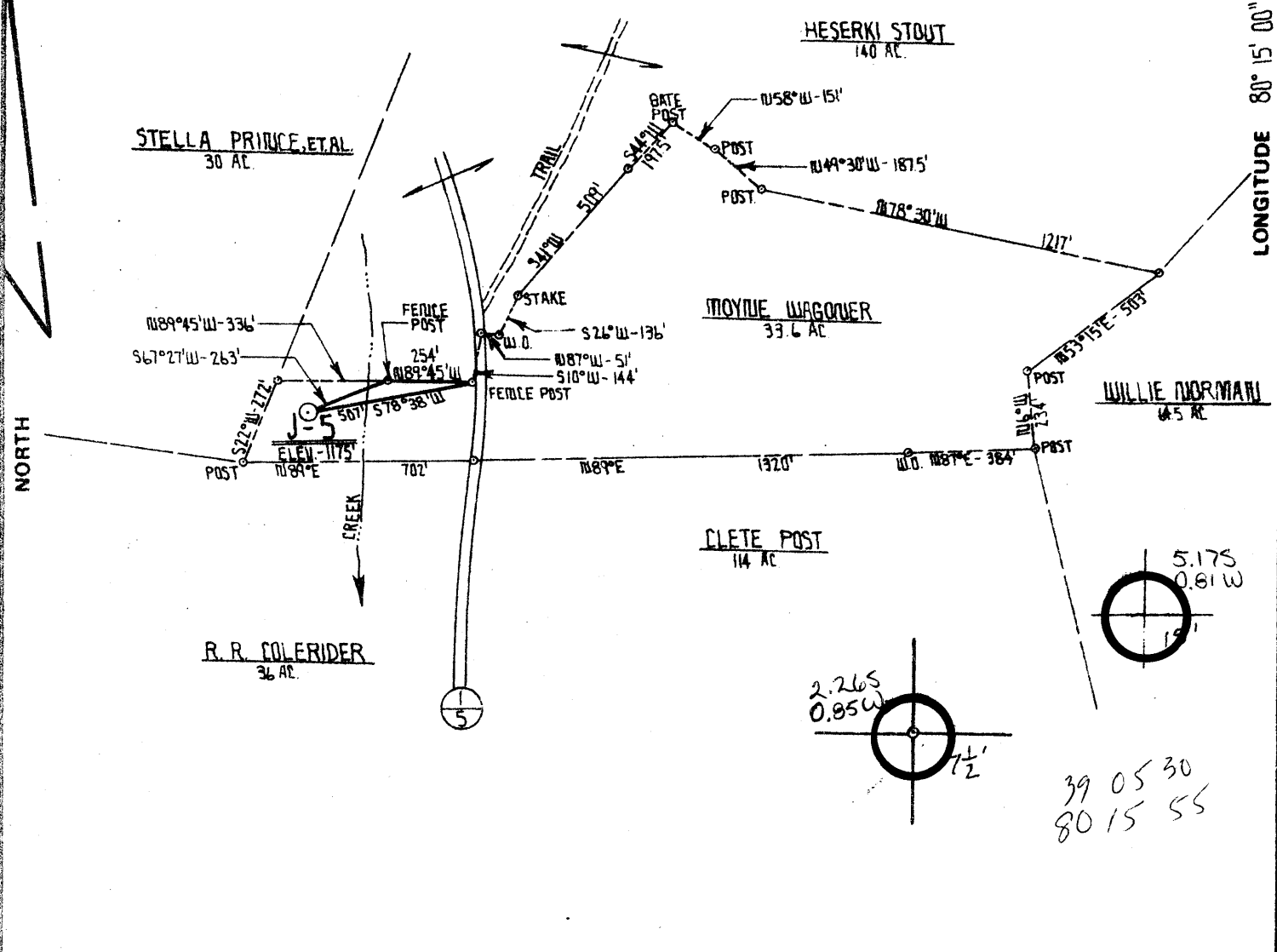
DATE MAY 9 19 80  
 OPERATOR'S WELL NO. 45 - Revised  
 API WELL NO. \_\_\_\_\_  
47 - 097 - 2063 REV  
 STATE COUNTY PERMIT

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 1175' WATER SHED HACKERS CREEK  
 DISTRICT WARREN COUNTY UPSHUR  
 QUADRANGLE BERLIN 7.5 WESTON 15'  
 SURFACE OWNER BETSYLE BOHN & MOYNE WAGONER ACREAGE 33.6  
 OIL & GAS ROYALTY OWNER MOYNE WAGONER & BETSYLE BOHN LEASE ACREAGE 33.6  
 LEASE NO. 1117  
 PROPOSED WORK: DRILL X CONVERT \_\_\_ DRILL DEEPER \_\_\_ REDRILL \_\_\_ FRACTURE OR STIMULATE X PLUG OFF OLD FORMATION \_\_\_ PERFORATE NEW FORMATION \_\_\_ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) REVISED LOCATION #2 STAKE  
 PLUG AND ABANDON \_\_\_ CLEAN OUT AND REPLUG \_\_\_  
 TARGET FORMATION FOX ESTIMATED DEPTH 5300'  
 WELL OPERATOR J. J. ENTERPRISES, INC. DESIGNATED AGENT HARRY BARNETT  
 ADDRESS P.O. BOX 48 BUCKHANNON, W. VA. 26201 ADDRESS P.O. BOX 48 BUCKHANNON, W. VA. 26201

LATITUDE 39° 07' 30"  
(15') 39° 10'

LONGITUDE 80° 15' 00"



FILE NO. \_\_\_\_\_  
DRAWING NO. \_\_\_\_\_  
SCALE 1" = 500'  
MINIMUM DEGREE OF ACCURACY 1 PART IN 200  
PROVEN SOURCE OF ELEVATION INT. RT. V/5 & FARM RD. 1/4 MILES NORTH OF RT. 1. ELEV. - 1164'

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) Daniel L. Keeler  
R.P.E. \_\_\_\_\_ L.L.S. 530

PLACE SEAL HERE

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



DATE MAY 9, 19 80  
OPERATOR'S WELL NO. J-5 Revised  
API WELL NO. 47-097-2063 REV  
STATE COUNTY PERMIT

STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
OIL AND GAS DIVISION

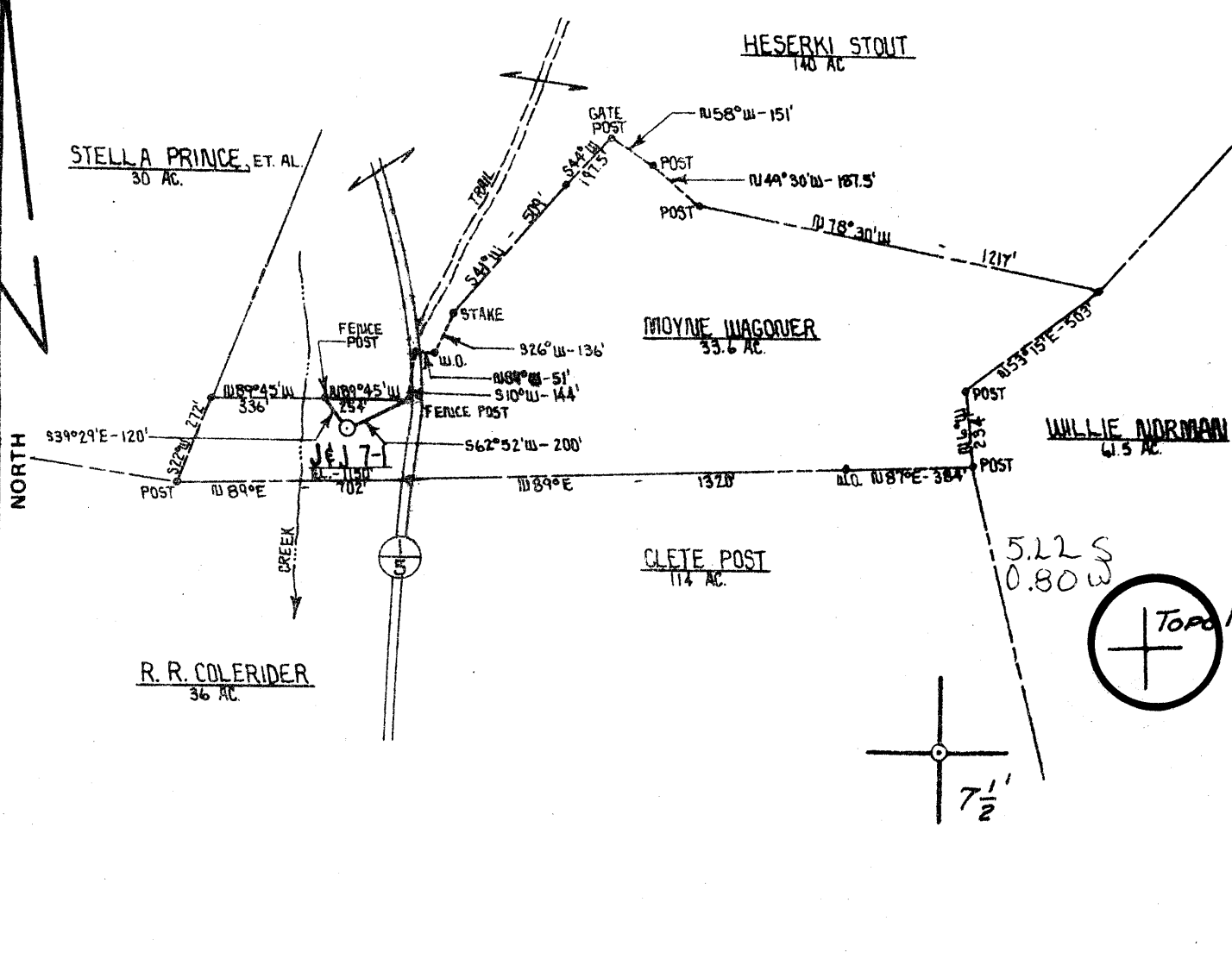
WELL TYPE: OIL \_\_\_ GAS X LIQUID INJECTION \_\_\_ WASTE DISPOSAL \_\_\_  
(IF "GAS,") PRODUCTION X STORAGE \_\_\_ DEEP \_\_\_ SHALLOW X  
LOCATION: ELEVATION 1175' WATER SHED HACKERS CREEK  
DISTRICT WARREN COUNTY UPSHUR  
QUADRANGLE BERLIN 75' WESTON 15' EC  
SURFACE OWNER BETSYLE BOHN & MOYNE WAGONER ACREAGE 33.6  
OIL & GAS ROYALTY OWNER MOYNE WAGONER & BETSYLE BOHN LEASE ACREAGE 33.6  
LEASE NO. J-5  
PROPOSED WORK: DRILL X CONVERT \_\_\_ DRILL DEEPER \_\_\_ REDRILL \_\_\_ FRACTURE OR STIMULATE X PLUG OFF OLD FORMATION \_\_\_ PERFORATE NEW FORMATION \_\_\_ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) REVISED LOCATION #2 STAKE  
PLUG AND ABANDON \_\_\_ CLEAN OUT AND REPLUG \_\_\_  
TARGET FORMATION FDX ESTIMATED DEPTH 5300'  
WELL OPERATOR J. & J. ENTERPRISES, INC. DESIGNATED AGENT HARRY BARNETT  
ADDRESS P.O. BOX 48 BUCKHANNON, W. VA. 26201 ADDRESS P.O. BOX 48 BUCKHANNON, W. VA. 26201

3-0 30 LORENTZ 154

JUN 18 1980

LATITUDE 39° 07' 30"  
(15') 39° 10'

LONGITUDE 80° 15' 00"



FILE NO. \_\_\_\_\_  
 DRAWING NO. \_\_\_\_\_  
 SCALE 1" = 500'  
 MINIMUM DEGREE OF ACCURACY 1 PART IN 200  
 PROVEN SOURCE OF ELEVATION INT. RT. 1/5 & FARM RD. 1.4 MILES NORTH OF RT. 1.  
ELEV. - 1164'

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) *Donald L. Whalen*  
 R.P.E. \_\_\_\_\_ L.L.S. 530

PLACE SEAL HERE

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



STATE OF WEST VIRGINIA  
 DEPARTMENT OF MINES  
 OIL AND GAS DIVISION

DATE FEBRUARY 15, 19 80  
 OPERATOR'S WELL NO. J & J 7-1  
 API WELL NO. \_\_\_\_\_  
47 - 097 - 2063  
 STATE COUNTY PERMIT

WELL TYPE: OIL \_\_\_ GAS \_\_\_ LIQUID INJECTION \_\_\_ WASTE DISPOSAL \_\_\_  
 (IF "GAS,") PRODUCTION \_\_\_ STORAGE \_\_\_ DEEP \_\_\_ SHALLOW \_\_\_  
 LOCATION: ELEVATION 1150' WATER SHED HACKERS CREEK  
 DISTRICT WARREN COUNTY UPSHUR  
 QUADRANGLE BERLIN 7.5' WESTON 15' E.C.  
 SURFACE OWNER BETSYLE BOHN + MOYNE WAGONER ACREAGE 33.6  
 OIL & GAS ROYALTY OWNER MOYNE WAGONER + BETSYLE BOHN LEASE ACREAGE 33.6  
 LEASE NO. J & J 7  
 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 FOX ESTIMATED DEPTH 5300'  
 WELL OPERATOR J & J ENTERPRISES, INC. DESIGNATED AGENT HARRY BARNETT  
 ADDRESS P.O. BOX 48 ADDRESS P.O. BOX 48  
BUCKHAMMON, W. VA. 26201 BUCKHAMMON, W. VA. 26201



WR-35 RECEIVED JUN 16 1988

DIVISION OF OIL & GAS DEPARTMENT OF ENERGY

State of West Virginia

DEPARTMENT OF ENERGY

Oil and Gas Division

Date June 9, 1988

Operator's

Well No. BOHN # 1

Farm 42 acres

API No. 47-097-2063 redri (redril

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: 1175' Watershed Hackers Creek District: Warren County Upshur Quadrangle Berlin

COMPANY Talkington-Brady, Inc. (Troy A. Brady, Jr., Pres.)

ADDRESS Rt. 5, Box 398-Buckhannon, W.va.

DESIGNATED AGENT R. Dennis Xander

ADDRESS Rt. 5, Box 560 - Buckhannon, W.va.

SURFACE OWNER Bertstyle Bohn & Moyne Wagoner

ADDRESS Stonewood, W.va.

MINERAL RIGHTS OWNER same as surface

ADDRESS Stonewood, W.va.

OIL AND GAS INSPECTOR FOR THIS WORK Phil Tracy

ADDRESS Elkins, W.va.

PERMIT ISSUED December 16, 1987

DRILLING COMMENCED Feb. 29, 1988

DRILLING COMPLETED March 3, 1988

IF APPLICABLE: PLUGGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED CN

Table with 4 columns: Casing & Tubing, Used in Drilling, Left in Well, Cement fill up Cu. ft. Rows include sizes 20-16, 13-10, 9 5/8, 8 5/8, 7, 5 1/2, 4 1/2, 3, 2, and Liners used.

GEOLOGICAL TARGET FORMATION Benson Depth 4354-4370 feet

Depth of completed well 4490' feet Rotary X / Cable Tools

Water strata depth: Fresh feet; Salt feet

Coal seam depths: Is coal being mined in the area? no

OPEN FLOW DATA

Producing formation Benson Pay zone depth 4354-4370 feet

Gas: Initial open flow 107,000 Mcf/d Oil: Initial open flow none Bbl/d

Final open flow 2,477,000 Mcf/d after frac. Final open flow Bbl/d

Time of open flow between initial and final tests 14 hours

Static rock pressure 1600lbs.psig(surface measurement) after 16 hours shut in

(If applicable due to multiple completion--)

Second producing formation none 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

JUN 21 1988

(Continue on reverse side)

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

Perforated at <sup>Benson</sup> 4356'-62', with 12-3/8's inch holes  
 Fraced with 700 and 70 bbls. water with 60,000 lbs. of sand.  
 Tested 16/10ths mercury (Hg) thru 4 1/2" ID. after 14 hrs.

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fresh and salt water, coal, oil and gas
See attached original drilling report.					<p>101</p> <p>RECEIVED JUN 16 1988</p> <p>DIVISION OF OIL &amp; GAS DEPARTMENT OF ENERGY</p>

(Attach separate sheets as necessary)

Talington-Bundy Inc  
 Well Operator  
 By: Groy & Bundy J. President  
 Date: 6-9-88

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 coal, encountered in the drilling of a well."

0454

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

WELL OPERATOR'S REPORT 37  
OF  
DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

WELL TYPE: Oil  / Gas  / Liquid Injection  / Waste Disposal   
(If "Gas", Production  / Underground storage  / Deep  / Shallow   
LOCATION: Elevation: 1175 Watershed: Hackers Creek  
District: Warren County: Upshur Quadrangle: Berlin 7.5'

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

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

PERMIT ISSUED ON 2-19, 19 80, OIL & GAS INSPECTOR FOR THIS WORK:  
(IF APPLICABLE: PLUGGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED) Name Robert Stewart  
Address P.O. Box 345  
Jane Lew, WV 26378

GEOLOGICAL TARGET FORMATION: Benson Depth \_\_\_\_\_ feet  
Depth of completed well, 5814 feet Rotary  / Cable Tools \_\_\_\_\_  
Water strata depth: Fresh, 35,1920 feet; salt, None feet.  
Coal seam depths: None Is coal being mined in the area? No  
Work was commenced 5-21, 19 80, and completed 5-27, 19 80

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	13/4H-40		42	x		30	30	0	Kinds
Fresh water	85/8ERW		23	x		1156	1156	275 sks	
Coal	85/8ERW		23	x		1156	1156	275 sks	Sizes
Intermediate									
Production									Design set
Tubing									
Liners									Perforations:
									Top Bottom

OPEN FLOW DATA

Producing formation None Pay zone depth \_\_\_\_\_ feet  
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 measurement) after \_\_\_\_\_ 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 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

JUN 16 1980

OIL & GAS DIVISION  
DEPT. OF MINES

(Continue on reverse side)

JUL 16 1980

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

WELL LOG

FORMATION	Color	Hard or Soft	Top Feet	Bottom Feet	Remarks Including indication of oil, gas, and salt water, coal, etc.
Red Rock			0	10	
Shale			10	20	1" stream @ 35'
Sand			20	80	
Red Rock			80	95	
Sand & Shale			95	170	
White Sand			170	200	
Sand & Shale			200	360	
Shale & Sand			360	470	
Sand & Shale			470	645	
White Sand			645	680	
Sand & Shale			680	780	
White Sand			780	1120	
Sand, Shale & Red Rock			1120	1295	
Sand & Shale			1295	1360	
Sand, Lime & Red Rock			1360	1435	
Sand & Shale			1435	1445	
Red Rock & Lime			1445	1520	
Big Lime			1520	1760	
Sand & Shale			1760	1990	1 1/2" stream water @ 1920
Sand, Shale, White Sand			1990	2100	
Shale & Red Rock			2100	2215	
Shale & Sand			2215	3200	
Sand & Shale.			3200	4200	Ck gas @ 4471 80/10 thru 1" w/ water
Brown Sand & Shale			4260	4565	
Shale & Sand			4565	5530	
Sand & Shale			5530	5640	
Brown Sand & Shale <i>BPAK.</i>			5640	5814	T.D. 5814

(Attach separate sheets to complete as necessary.)

J & J Enterprises, Inc.

Well Operator

By

*Peter Battles*  
Peter Battles  
Geologist

NOTE: Regulation 2.02(d) provides as follows:

"The term 'log' or 'well log' shall mean a systematic, detailed geological record of all formations, including coal, encountered in the drilling of a well."



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

AFFIDAVIT OF PLUGGING AND FILLING WELL

WELL TYPE: Oil \_\_\_ / Gas X / Liquid Injection \_\_\_ / Waste Disposal \_\_\_ /  
(If "Gas", Production X / Underground storage \_\_\_ / Deep \_\_\_ / Shallow X /  
LOCATION: Elevation: 1150 Watershed: Hackers Creek  
District: Warren County: Upshur Quadrangle: Berlin 7.5'

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

STATE OF WEST VIRGINIA, )  
COUNTY OF Upshur ) SS:  
H.L. Barnett and Wayne Price

being first duly sworn according to law, depose and say that they are experienced in the work of  
plugging and filling oil and gas wells; that they were employed by J & J Enterprises, Inc.,  
the well operator, and participated in the work of plugging and filling the above well; that the work  
was commenced on 5-21, 1980, and completed on 5-27, 1980, in the  
following manner:

PERMITTED WORK: Plug and abandon X / Clean out and replug \_\_\_ /

PLUGGING MATERIALS

Type of Cement	Other Materials	Depth	Thickness
	Gel	5678	5300
Class A		5300	5150
	Gel	5150	4900
Class A		4900	4600
	Gel	4600	4200
Class A		4200	4000

COAL SEAMS (NAMES AND DEPTHS)

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

DESCRIPTION OF WELL MONUMENT

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Bridge Plugs Used--Type and Depth

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

VENT PIPE

MISCELLANEOUS MATERIALS

CASING LOST 8 5/8 - 1156

TYPE OF RIG: Rotary

Owner: Well Op'r X / Contractor \_\_\_ /

Rig time: 6 days plus \_\_\_ hours

H.L. Barnett (SEAL)  
Wayne Price (SEAL)

Subscribed and sworn to before me this

2nd day of June, 1980.

My commission expires October 16, 1989.

Leita S. Casfield  
Notary Public

[08-78]

OIL AND GAS WELL PERMIT APPLICATION

Operator's Well No. JJ-7-#1  
API Well No. 47-097-2063  
State County Permit

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

LOCATION: Elevation: 1150 Watershed: Hackers Creek  
District: Warren County: Upshur Quadrangle: Berlin 7.5

WELL OPERATOR J & J Enterprises, Inc.  
Address P. O. Box 48  
Buckhannon, W. Va. 26201

DESIGNATED AGENT H. L. Barnett  
Address P. O. Box 48  
Buckhannon, W. Va. 26201

OIL & GAS ROYALTY OWNER Bertsyle Bohn & Moyne Wagoner  
Address 208 Hazelwood Ave.  
Nutter Fort, West Virginia 26303

COAL OPERATOR Bethlehem Mines Corp.  
Address Bridgeport  
West Virginia

ACREAGE 33.6  
SURFACE OWNER Bertsyle Bohn & Moyne Wagoner  
Address 208 Hazelwood Ave.  
Nutter Fort, W. Va. 26303  
ACREAGE 33.6

COAL OWNER(S) WITH DECLARATION ON RECORD:  
Name Bethlehem Mines Corp.  
Address Bridgeport,  
West Virginia

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

Name \_\_\_\_\_  
Address \_\_\_\_\_

OIL & GAS INSPECTOR TO BE NOTIFIED  
Name Robert Stewart  
Address P. O. Box 345  
Jane Lew, W. Va. 26378

COAL LESSEE WITH DECLARATION ON RECORD:  
Name None  
Address \_\_\_\_\_  
**RECEIVED**  
**FEB 19 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 October 16, 1979, to the undersigned well operator from Bertsyle Bohn and Moyne Wagoner

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

Recorded on October 30, 1979, in the office of the Clerk of the County Commission of Upshur County, West Virginia, in OIL & GAS <sup>LEASE</sup> Book 62 at page 525. 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) \_\_\_\_\_

--planned 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 objections 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 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.

PLEASE SUBMIT COPIES OF ALL GEOPHYSICAL LOGS DIRECTLY TO:  
WEST VIRGINIA OIL AND GAS CONSERVATION COMMISSION  
1616 WASHINGTON STREET EAST  
CHARLESTON, WV 25311  
TELEPHONE: (304) 348-3092

J & J ENTERPRISES, INC.  
Well Operator

By Peter Battles  
Its PETER BATTLES 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 Co.

Address P. O. Box 48

Buckhannon, W. Va. 26201

GEOLOGICAL TARGET FORMATION, Benson

Estimated depth of completed well, 4600 feet Rotary  / Cable tools  /

Approximate water strata depths: Fresh, 80 feet; salt, 1000 feet.

Approximate coal seam depths: 800 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		Kinds	None
Conductor	11 3/4	H-40	42	X		30	30	0 sks.		None
Fresh water	8 5/8	ERW	23	X		2000	2000	450 sks.		
Coal	8 5/8	ERW	23	X		2000	2000	450 sks.		Sizes
Intermediate										
Production	4 1/2	J-55	9.5	X		4500	4500	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 dwelling 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 is noted as such on the Form IV-2 filed in connection therewith.  
THIS PERMIT MUST BE POSTED AT THE WELL SITE

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 10-21-80.

[Signature]  
Deputy Director - Oil & Gas Division

shall be signed 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:

W A I V E R

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: 2/15/1980

By [Signature]  
Its CHIEF ENGINEER  
MARION BARBOUR DIVISION  
DETAILED MINES CURT

(Obverse)

7/10 RECEIVED NOV 30 1987



1) Date: 20 November 19 87
2) Operator's Well No. BOHN-1
3) API Well No. 47 State 097 County 2063 R.D. Permit (ReDrill)

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

- 4) WELL TYPE: A Oil / Gas X
B (If "Gas", Production X / Underground storage / Deep / Shallow X)
5) LOCATION: Elevation: 1175' Watershed: Hackers Creek
District: Warren 5 County: Upshur 097 Quadrangle: Berlin 245
6) WELL OPERATOR DENEX PETROLEUM CODE: 13335 7) DESIGNATED AGENT R. DENNIS XANDER
Address Rt. 5, Box 560 CORP. 244 Address -same-
8) OIL & GAS INSPECTOR TO BE NOTIFIED Name Phillip Tracy Address PO Box 2536 Elkins, WV 26241
9) DRILLING CONTRACTOR: Name Troy A. Brady, Jr. Address Rt. 5, Box 398 Buckhannon, WV 26201
10) PROPOSED WELL WORK: Drill / Drill deeper / Redrill XXX / Stimulate XXX
Plug off old formation / Perforate new formation
Other physical change in well (specify)
11) GEOLOGICAL TARGET FORMATION, Benson
12) Estimated depth of completed well, 5800' feet
13) Approximate trata depths: Fresh, 35, 1920' feet; salt, none feet.
14) Approximate coal seam depths: none Is coal being mined in the area? Yes / No X

15) CASING AND TUBING PROGRAM

Table with columns: CASING OR TUBING TYPE, SPECIFICATIONS (Size, Grade, Weight per ft, New, Used), FOOTAGE INTERVALS (For drilling, Left in well), CEMENT FILL-UP OR SACKS (Cubic feet), PACKERS (Kinds, Sizes, Depths set, Perforations: Top, Bottom). Includes handwritten entries like '30', '1156'', '4400 thru prod.', '250' Sacko', '38CSR18-11.1'.

OFFICE USE ONLY DRILLING PERMIT

Permit number 47-097-2063-RED Date December 16 19 87

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. 8) 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.)

The permitted work is as described in the Notice and Application, plat, and reclamation plan, subject to any modifications and conditions specified on the reverse hereof. Permit expires December 16, 1989 unless well work is commenced prior to that date and prosecuted with due diligence.

Table with columns: Bond, Agent, Plat, Casing, Fee, WPCN, SBE, Other. Includes handwritten signatures and numbers like 239, 983, 992.

NOTE: Keep one copy of this permit posted at the drilling location. John N. Johnston by Margaret J. Hass Director, Division of Oil and Gas File

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