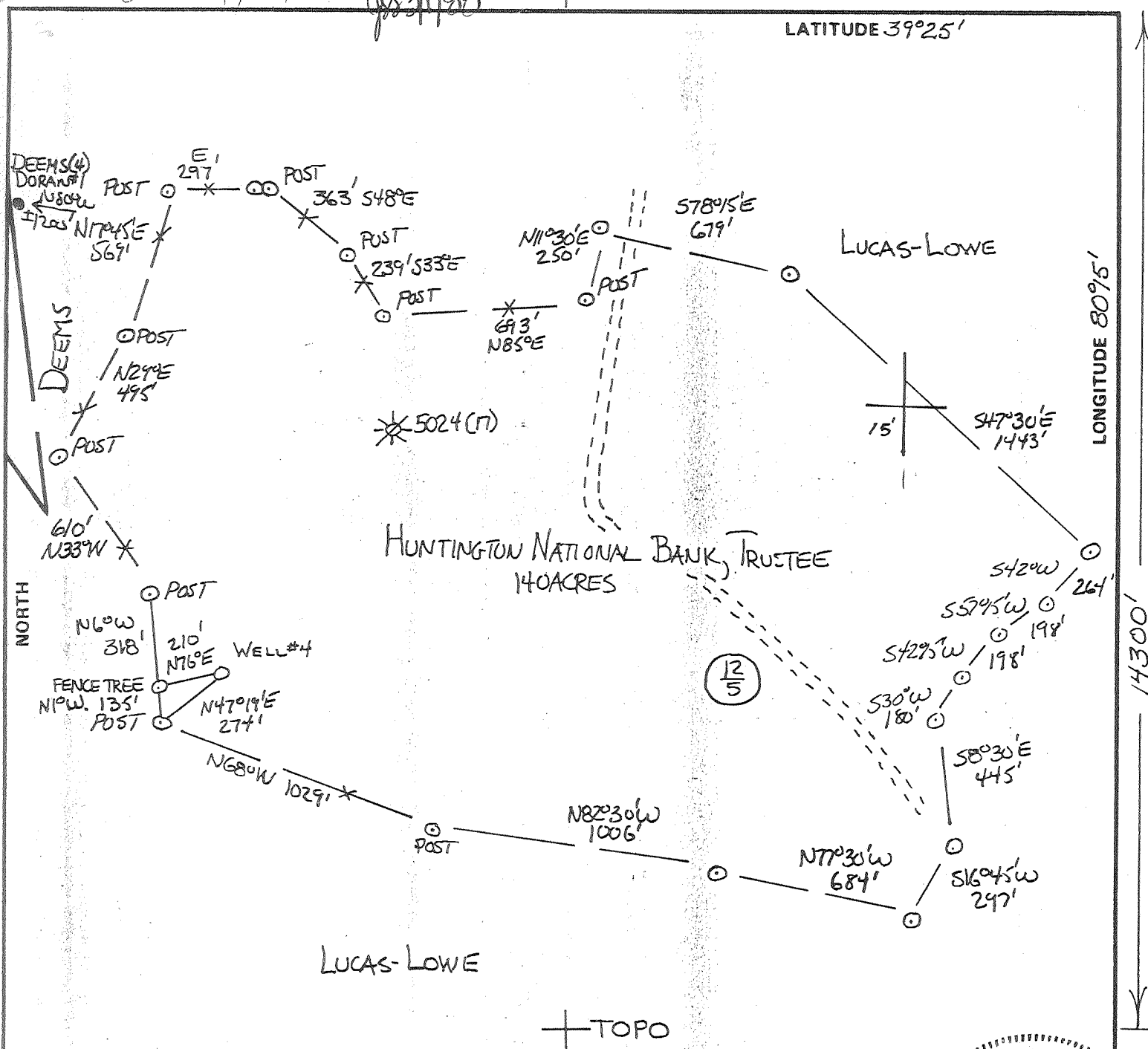


el. 4/29 1983

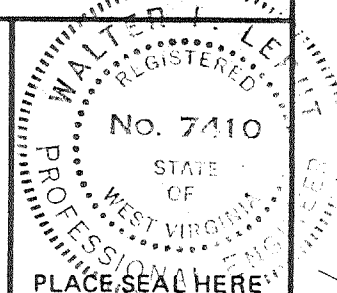
7700'

LATITUDE 39°25'



FILE NO. _____
 DRAWING NO. 3-18-1981
 SCALE 1"=500'
 MINIMUM DEGREE OF ACCURACY 1/100
 PROVEN SOURCE OF ELEVATION ± OF ROADS ± 1/2 MI (NORTH) (993)

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) Walter P. Leppert
 R.P.E. 7410 L.L.S. _____



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS
 FORM IV-6 (8-78)
 WELL TYPE: OIL GAS _____ LIQUID INJECTION _____ WASTE DISPOSAL _____
 (IF "GAS,") PRODUCTION STORAGE _____ DEEP _____ SHALLOW _____
 LOCATION: ELEVATION 1080 WATER SHED SHINNS RUN
 DISTRICT CLAY COUNTY HARRISON
 QUADRANGLE SHINNSTON 7 1/2
 SURFACE OWNER M. LOWE + DAVID LOWE ACREAGE 140
 OIL & GAS ROYALTY OWNER HUNTINGTON NATIONAL BANK LEASE ACREAGE 140
 LEASE NO. 780
 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 5th SAND ESTIMATED DEPTH 2680
 WELL OPERATOR DORAN + ASSOCIATES, INC. DESIGNATED AGENT
 ADDRESS 200 ROESSLER ROAD ADDRESS _____
PGH, PA. 15220

STATE OF WEST VIRGINIA DEPARTMENT OF MINES OIL AND GAS DIVISION

DATE _____ 19 _____
 OPERATOR'S WELL NO. 4
 API WELL NO. _____
47 - 033 - 2611 - P
 STATE COUNTY PERMIT

Plugging Cancelled

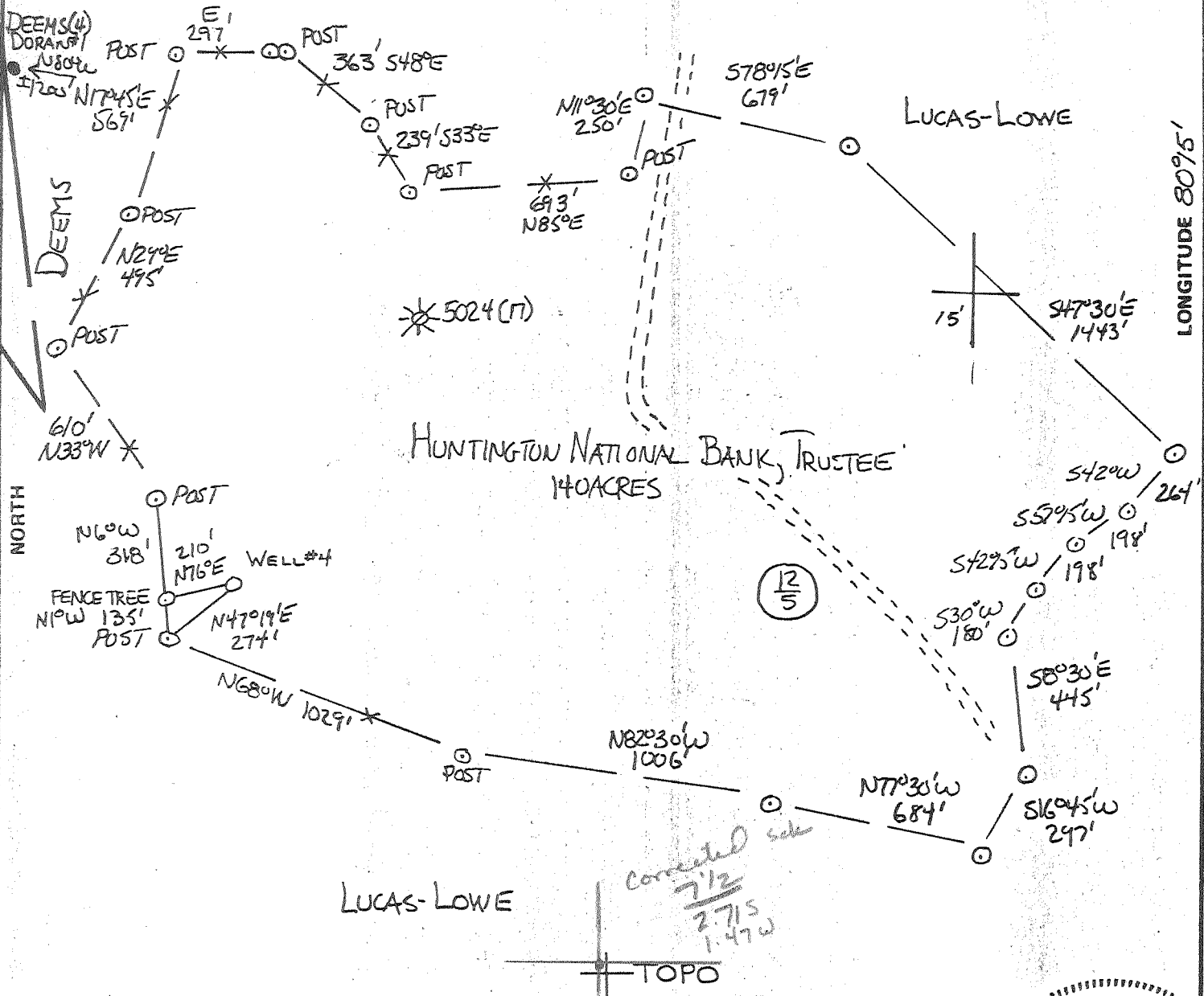
HARR. 2611-~~7~~

APR 1 1983

Charlie Stimeling, Agent
 P.O. Box 39
 Bridgeport, WVa. 26330

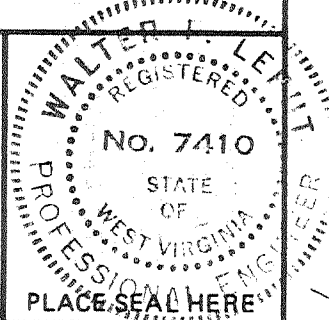
LATITUDE 39°25'

LONGITUDE 80°5'



FILE NO. _____
 DRAWING NO. 3-18-1981
 SCALE 1"=500'
 MINIMUM DEGREE OF ACCURACY 1 IN 200
 PROVEN SOURCE OF ELEVATION ± OF ROADS ± 1/2 MI (NORTH) (993)

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 FORM IV-6 (8-78)



DATE _____ 19____
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47 - 033 - 2611-P
 STATE COUNTY PERMIT

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION

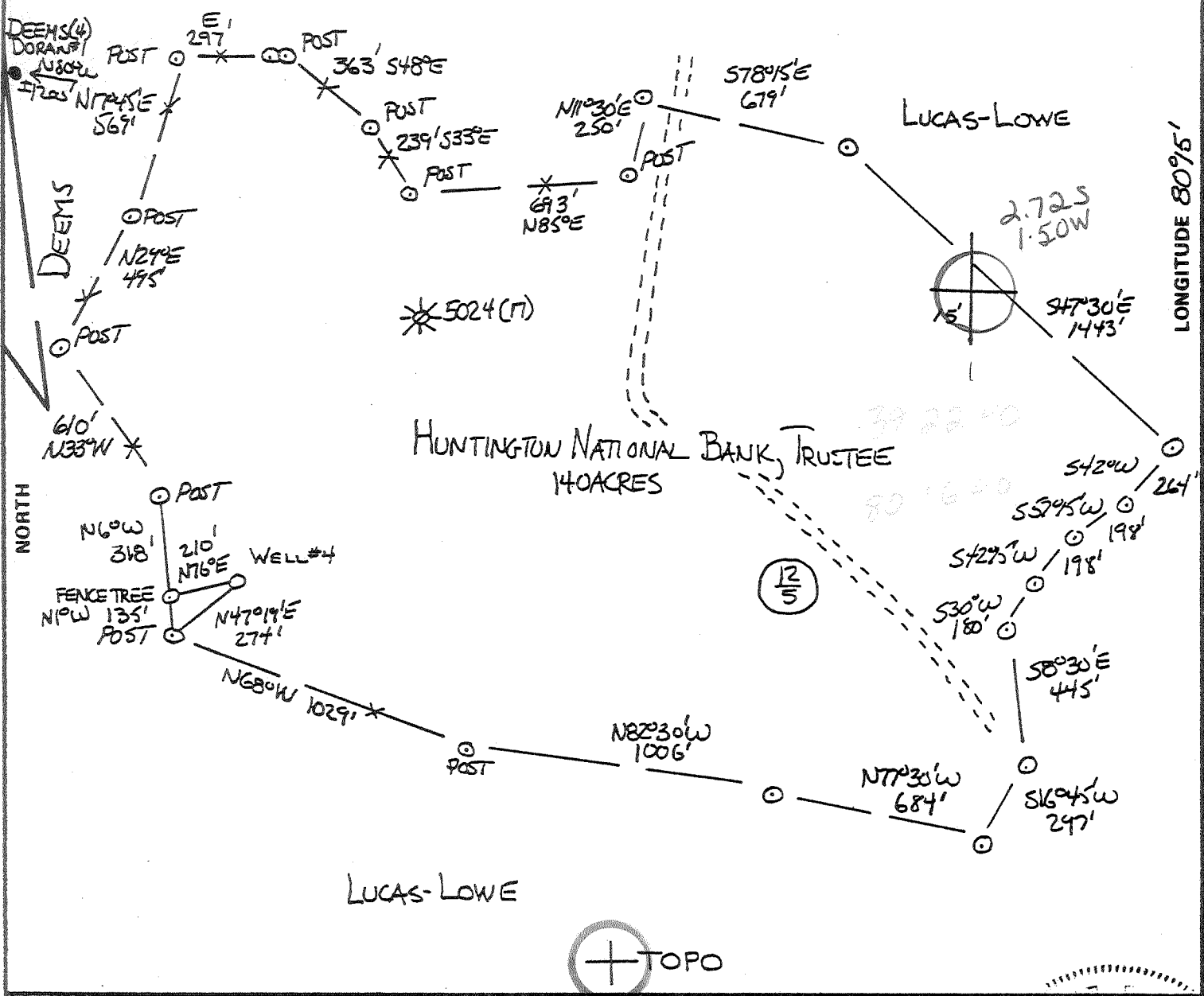
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 (IF "GAS,") PRODUCTION STORAGE _____ DEEP _____ SHALLOW _____
 LOCATION: ELEVATION 1080 WATER SHED SHINNS RUN
 DISTRICT CLAY COUNTY HARRISON
 QUADRANGLE SHINNSTON 7 1/2
 SURFACE OWNER M. LOWE + DAVID LOWE ACREAGE 140
 OIL & GAS ROYALTY OWNER HUNTINGTON NATIONAL BANK LEASE ACREAGE 140
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MAR 4 1988

PLUG AND ABANDON _____ CLEAN OUT AND REPLUG _____
 TARGET FORMATION 5TH SAND ESTIMATED DEPTH 2680
 WELL OPERATOR DORAN + ASSOCIATES, INC. DESIGNATED AGENT
 ADDRESS 200 ROESSLER ROAD ADDRESS _____
PGH, PA. 15220

Charlie Stimeling, Agent
 P.O. Box 39
 Bridgeport, WVa. 26330

LATITUDE 39°25'



FILE NO. _____
 DRAWING NO. 3-18-1981
 SCALE 1"=500'
 MINIMUM DEGREE OF ACCURACY 1 IN 200
 PROVEN SOURCE OF ELEVATION ± OF ROADS ± 1/2 MI (NORTH) (993)

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 R.P.E. 7410 L.L.S. _____



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 FORM IV-6 (8-78)



DATE _____ 19____
 OPERATOR'S WELL NO. 4
 API WELL NO. _____
47 - 033 - 2611
 STATE COUNTY PERMIT

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION

WELL TYPE: OIL GAS _____ LIQUID INJECTION _____ WASTE DISPOSAL _____
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 QUADRANGLE SHINNSTON 7 1/2 Clarksburg EC
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 TARGET FORMATION 5TH SAND ESTIMATED DEPTH 2680
 WELL OPERATOR DORAN + ASSOCIATES, INC DESIGNATED AGENT ALSORCAN
 ADDRESS 200 ROESSLER ROAD ADDRESS RT 4 Box 444
PGH, PA. 15220 BUCKHANNON W.V.



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

RECEIVED

SFP 3 - 1981

Oil and Gas Division

OIL AND GAS DIVISION
WV DEPARTMENT OF MINES

WELL RECORD

Rotary Oil _____
Cable _____ Gas
Recycling _____ Comb. _____
Water Flood _____ Storage _____
Disposal _____ (Kind)

Quadrangle Shinnston 7 1/2

Permit No. 47-033-2611

Company Doran & Associates, Inc.
Address 200 Roessler Road, Pgh., PA 15220
Farm David Lowe #4 Acres 140
Location (waters) Shinns Run
Well No. K-R-29 Elev. 1080
District Clay County Harrison
The surface of tract is owned in fee by Mr & Mrs. David Lowe
Address P.O. Box 282, Sedona, AZ 86336
Mineral rights are owned by Huntington Nat'l Bank
P.O. Box 1558, Columbus, OH 43260
Address M. Lowe P.O. Box 282 Sedona, AZ 86336
Drilling Commenced 6-25-81
Drilling Completed 7-2-81
Initial open flow -- cu. ft. -- bbls.
Final production 95 M cu. ft. per day 3 bbls.
Well open 72 hrs. before test 446# RP.

Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Size 20-16			
Cond. 13-10" 11 3/4	80'	80'	
9 5/8			
8 5/8	1000'	1000'	175 sks
7			
5 1/2			
4 1/2	2648'	2648'	250 sks
3			
2			
Liners Used			

Well treatment details:

Attach copy of cementing record. 95MCF + 380

STIMULATION RECORD

DATE:	INTERVAL PERFORATED:	FROM TO	AMT FLUID	AMT SAND
7-9-81		2552 2572	565 bbls.	60,000#

Coal was encountered at _____ Feet _____ Inches
Fresh water _____ Feet _____ Salt Water _____ Feet
Producing Sand Fifth Sand 2552-72 Depth 2542

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Shale & Sand			0	55		
Open mine shaft			55	60		
Sand & Shale			60	1030		
Sand			1030	1125		
Shale			1125	1166		
Sand			1166	1169		
Red Rock			1169	1432		
Sand			1432	1437		
Shale			1437	1460		
Little Lime			1460	1463		
Shale & Sand			1463	1470		
Big Lime			1470	1529		
Big Injun			1529	1565		
Lime			1565	1622		
Shale			1622	1630		
Sand & Shale			1630	1645		
Sand			1645	1680		
Sand & Shale			1680	2390		
Sand			2390	2450		
Sand & Shale			2450	2540		
Sand			2540	2575		
Shale			2575	2785		
Driller's T.D.				2785		
Fifth Sand			2542	2576		

* Indicates Electric Log tops in the remarks section.

(over)

SEP 21 1981

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks

Date August 26, 1981

APPROVED Donald R. Laughlin, Owner

By Donald R. Laughlin Vice President-
(Title) Operations



Date: March 25, 19 81

FORM IV-2
(Obverse)
(08-78)

Operator's
Well No. _____

API Well No. 47 - 033 - 2611

State County Permit

D. Lowe #4

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

OIL AND GAS WELL PERMIT

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

LOCATION: Elevation: 1080 Watershed: Mudlick Run
District: Clay County: Harrison Quadrangle: Shinnston 7 1/2

WELL OPERATOR Doran & Associates DESIGNATED AGENT Al Sorcan
Address 200 Roessler Road Address Rt. 4, Box 444
Pittsburgh, PA 15220 Buckhannon, WV 26201

OIL & GAS ROYALTY OWNER Huntington Nat'l Bank tr./M. Lowe COAL OPERATOR Consolidation Coal Company
Address P.O. Box 1558 / P.O. Box 282 Address Consol Plaza
Columbus, OH 43260 / Sedona, AZ 86336 Pittsburgh, PA 25241

Acres 140 COAL OWNER(S) WITH DECLARATION ON RECORD:
SURFACE OWNER M. Lowe and David Lowe Name Consolidation Coal Company
Address P. O. Box 282 Address Consol Plaza
Sedona, AZ 86336 Pittsburgh, PA 25241

Acres 140 Name _____
FIELD SALE (IF MADE) TO: Address _____
Address N/A

OIL & GAS INSPECTOR TO BE NOTIFIED Name N/A
Name Stephen Casey Address _____

Address Rt. 2 - Box 232-D
Jane Lew, WV 26378

OIL & GAS DIVISION
DEPT. OF MINES

RECEIVED
APR 29 1981

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 June 19, 19 81, to the undersigned well operator from Huntington
National Bank tr: David S. Lowe Trust
(If said deed, lease, or other contract has been recorded):
Recorded on July 3, 19 80, in the office of the Clerk of the County Commission of Harrison County, West
Virginia in Book 1093 at page 277. A permit is requested as follows:

PROPOSED WORK: Drill XX / Drill deeper _____ / Redrill _____ / Fracture or stimulate _____ /
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 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.

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
Department of Mines at Charleston, West Virginia.

PLEASE SUBMIT COPIES OF ALL
PHYSICAL LOGS DIRECTLY

WEST VIRGINIA OIL AND GAS
CONSERVATION COMMISSION
100 WASHINGTON STREET EAST
CHARLESTON, WV 25311

PHONE: (304) 348-3092

Well Operator
By Donald P. Laughlin
Its _____

NET BOND

PROPOSED WORK ORDER

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

DRILLING CONTRACTOR (IF KNOWN) Sam Jack Drilling Co.
Address P. O. Box 697
Indiana, PA 15701

GEOLOGICAL TARGET FORMATION, 5TH SAND

Estimated depth of completed well, 2680 feet Rotary X / Cable tools /

Approximate water strata depths: Fresh, 35 feet; salt, feet.

Approximate coal seam depths: 55, 145, 735 Is coal being mined in the area? Yes / No X /

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		
Conductor	11 3/4				X	X	Kinds
Fresh Water							
Coal							Sizes
Intermediate	8 5/8		20	X		1125	To SURFACE
Production	4 1/2		9 1/2	X		2680	250 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 1-14-82

[Signature]
Deputy Director - Oil & Gas Division

[Signature]

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

Date: , 19

By

Its

PLEASE
GEC
TO:
WES:
C
SIOI
1615 W
CHARI
TELEPH