

13580'

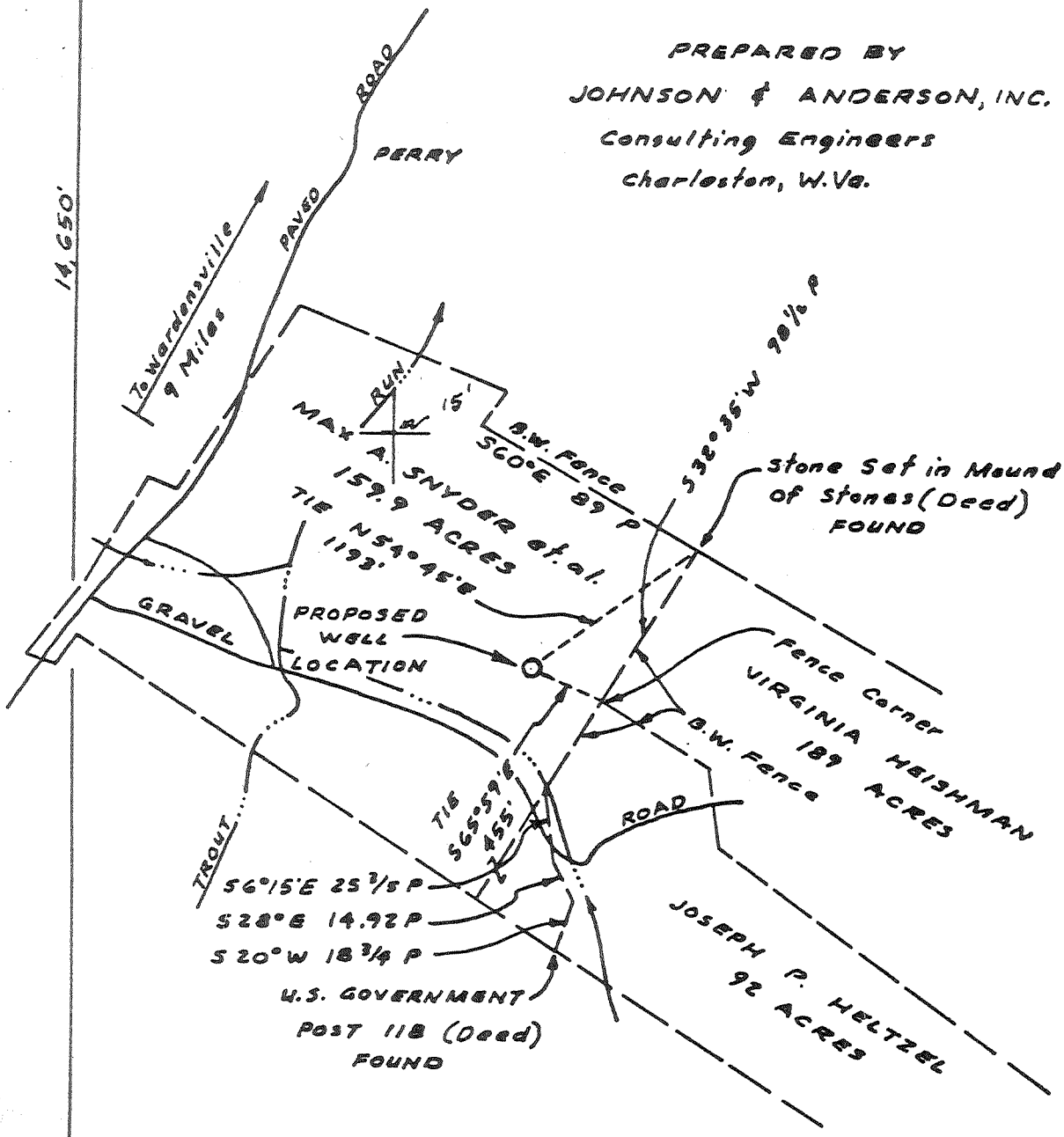
LATITUDE 39°00'00"

PREPARED BY
JOHNSON & ANDERSON, INC.
Consulting Engineers
Charleston, W. Va.

LONGITUDE 78°37'30"

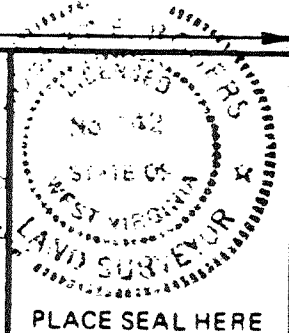
NORTH

14,650'



FILE NO. _____
 DRAWING NO. _____
 SCALE 1" = 1,000'
 MINIMUM DEGREE OF ACCURACY 1:200'
 PROVEN SOURCE OF ELEVATION U.S.G.S. B.M.
1922 - H-58-1921, EL. 1922.997

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) Robert L. Ayers
 L.L.S. 142



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



DATE FEBRUARY 23, 19 81
 OPERATOR'S WELL NO. 1
 API WELL NO. 47-031-0022-P
 STATE COUNTY PERMIT

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION

WELL TYPE: OIL GAS LIQUID INJECTION _____ WASTE DISPOSAL _____
 (IF "GAS,") PRODUCTION _____ STORAGE _____ DEEP SHALLOW _____ WILDCAT _____
 LOCATION: ELEVATION 1776 WATER SHED TROUT RUN
 DISTRICT CAPON COUNTY HARDY
 QUADRANGLE WOLF GAP
 SURFACE OWNER MAX A. SNYDER et ux, et al ACREAGE 159.9
 OIL & GAS ROYALTY OWNER MAX A. SNYDER et ux, et al LEASE ACREAGE 159.9
 LEASE NO. EXXON NO. 767087
 PROPOSED WORK: DRILL CONVERT _____ DRILL DEEPER _____ REDRILL _____ FRACTURE OR STIMULATE _____ PLUG OFF OLD FORMATION _____ PERFORATE NEW FORMATION _____ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) Plugging 8/7/81
KNOX - COPPER RIDGE DOLOMITE
 PLUG AND ABANDON _____ CLEAN OUT AND REPLUG _____
 TARGET FORMATION X ESTIMATED DEPTH 9,500'
 WELL OPERATOR EXXON CORPORATION DESIGNATED AGENT SEC. OF STATE, C.T. CORP. SYSTEM, W.M. WOODRUE
 ADDRESS P.O. BOX 60626 ADDRESS 1200 CHARLESTON NATIONAL PLAZA
NEW ORLEANS, LA. 70160 CHARLESTON, W.VA. 25301

13580'

Plot

Card

CSD

LATITUDE 39°00'00"

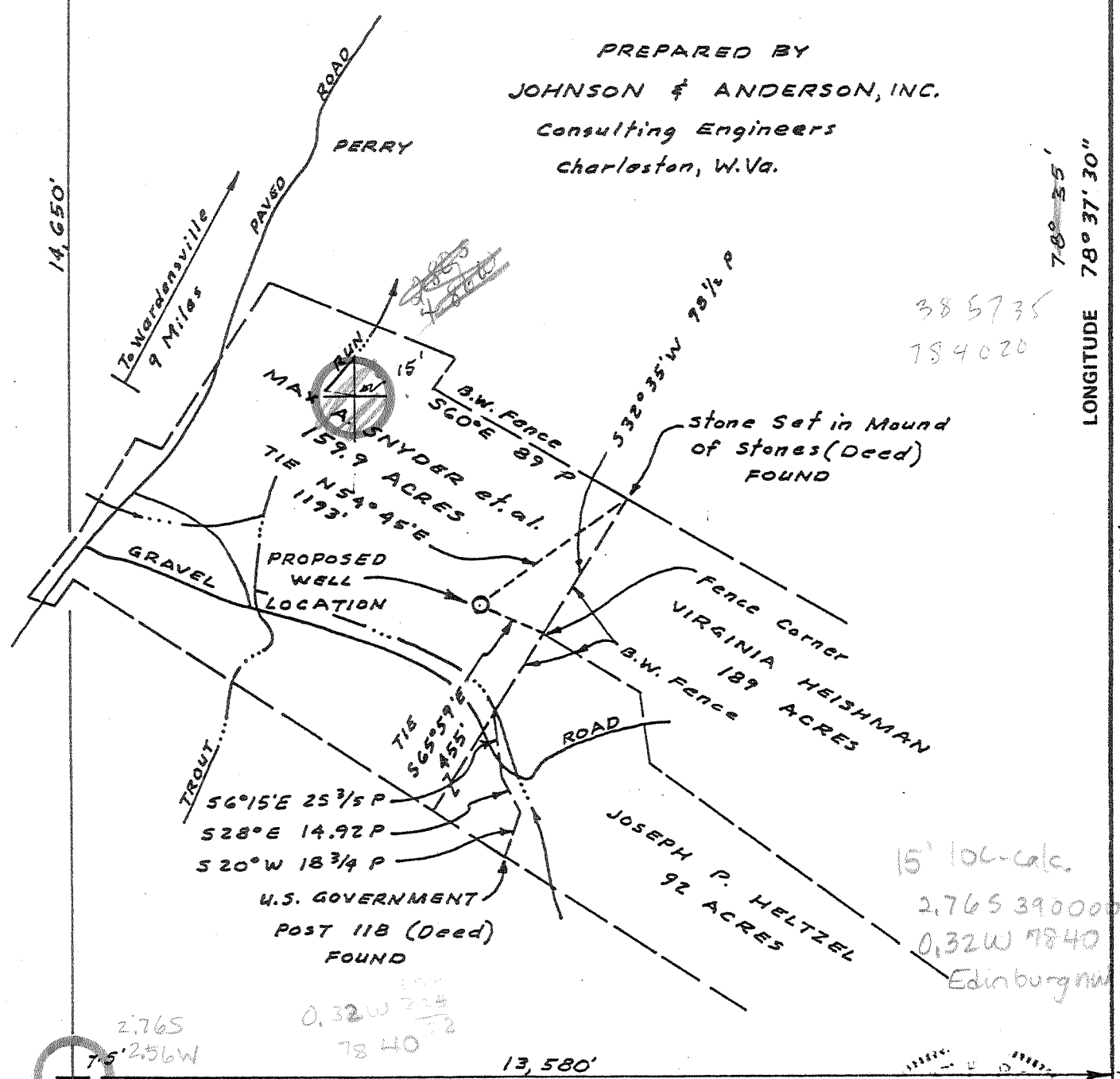
PREPARED BY
JOHNSON & ANDERSON, INC.
Consulting Engineers
Charleston, W.Va.

LONGITUDE 78°37'30"

14,650'

14,650'

NORTH



FILE NO. _____
 DRAWING NO. _____
 SCALE 1" = 1,000'
 MINIMUM DEGREE OF ACCURACY 1:200'
 PROVEN SOURCE OF ELEVATION U.S.G.S. B.M. 1922 - H-58-1921, EL. 1922.997

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) Robert F. Rogers
 L.L.S. 142



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



DATE FEBRUARY 23, 19 81
 OPERATOR'S WELL NO. 1
 API WELL NO. 47-031-0022
 STATE HARDY COUNTY 031 PERMIT 0022

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION

WELL TYPE: OIL GAS LIQUID INJECTION _____ WASTE DISPOSAL _____
 (IF "GAS,") PRODUCTION _____ STORAGE _____ DEEP SHALLOW _____ WILDCAT _____
 LOCATION: ELEVATION 1776 WATER SHED TROUT RUN
 DISTRICT CAPON COUNTY HARDY
 QUADRANGLE WOLF GAP Edinburg NW
 SURFACE OWNER MAX A. SNYDER et ux, et al ACREAGE 159.9
 OIL & GAS ROYALTY OWNER MAX A. SNYDER et ux, et al LEASE ACREAGE 159.9
 LEASE NO. EXXON NO. 767087
 PROPOSED WORK: DRILL CONVERT _____ DRILL DEEPER _____ REDRILL _____ FRACTURE OR STIMULATE _____ PLUG OFF OLD FORMATION _____ PERFORATE NEW FORMATION _____ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____
KNOX - COPPER RIDGE DOLOMITE
 PLUG AND ABANDON CLEAN OUT AND REPLUG _____
 TARGET FORMATION X ESTIMATED DEPTH 9,500'
 WELL OPERATOR EXXON CORPORATION DESIGNATED AGENT SEC. OF STATE, C.T. CORP. SYSTEM, W.M. WOODROE
 ADDRESS P.O. BOX 60626 ADDRESS 1200 CHARLESTON NATIONAL PLAZA
NEW ORLEANS, LA. 70160 CHARLESTON, W.VA. 25301

H. T. HALL

1-0

Deep Well

APR 22 1981

RECEIVED

(08-78)

OCT 13 1981

OIL AND GAS DIVISION
WV DEPARTMENT OF MINES

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

Date: October 6, 1981
Operator's Max A. Synder et ux,
Well No. et al. #1
API Well No. 47 - 031 - 0022
State County Permit

WELL OPERATOR'S REPORT
OF
DRILLING, REABSORPTION AND/OR RECOMPLETION, OR PHYSICAL CHANGE

WELL TYPE: Oil / Gas / Liquid Injection Waste Disposal
(If "Gas", Production / Underground storage Deep / Shallow)
LOCATION: Elevation: 1776' Watershed: Trout Run
District: Capon County: Hardy Quadrangle: Wolf Gap Quar 7 1/2'
(NW/4 Edinburg 15' Quad
WELL OPERATOR Exxon Corporation ESTIMATED AGENT Secretary of State
Address P. O. Box 60626 Address W.M. Woodroe
New Orleans, Louisiana 70160 1200 Charleston National Plaza
Charleston, W. Virginia 25301
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 April 8, 1981, 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
August 12, 1981 Address P. O. Box 345
Jane Lew, W. Virginia 26378

GEOLOGICAL TARGET FORMATION: _____ Depth _____ feet
Depth of completed well, 8,977 feet Rotary / Cable Tools _____
Water strata depth: Fresh, 100 feet; salt, 500 feet.
Coal seam depths: N/A Is coal being mined in the area? No
Work was commenced August 12, 1981, and completed August 12, 1981

CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SPECIFICATIONS				FOOTAGE INTERVALS		CEMENT PACK-OFF OR SACKS (Cubic Feet)	PACKERS	
	Size	Grade	Weight per Ft.	New	Used	For drilling			Left in well
Conductor	20"	B	104	X		117'	117'	300 sks.	Wands
Fresh water	13-3/8"	K55	54.5	X		646'	646'	665 sks.	
Coal	N/A								Sizes
Intermediate	9-5/8"	L80	40	X		1641'	1641'	595 sks.	
Production									Seeds set
Tubing									
Liners									Perforations:
									Cap System

OPEN FLOW DATA Dry hole. Plugged and abandoned 8/12/81.
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
[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

OCT 29 1981

Continued on reverse side

08-78

DETAILS OF PREPARED MATERIAL, FACTURING OR ESTIMATION, PHYSICAL CHANGE, ETC.

N/A

08-78

FORMATION	Color	Hard or Soft	Top Feet	Bottom Feet	REMARKS Including indication of all tests and salt water, scale, etc. and gas
Martinsburg Sh.	blk.	hard	0	848	Water 100' - 646' 1500-2900 ppm Cl
Trenton Lms.	gy.	hard	848	1492	
Black River Lms.	gy.	hard	1492	2378	
Know Dol.	gy.	hard	2378	8977 TD	
					Water 3130' 1450 ppm Cl

(Attach separate sheets as complete as necessary)

Exxon Corporation
Well Operator
By *[Signature]*
Revenue & Regulatory Acctg. Supervisor

SK/djr

NOTE: Regulation 2.32.1: provided as follows:
The term "log" or "well log" shall mean a statement, dictated, geologic record of all formations, including test, encountered in the drilling of a well.

RECEIVED

APR - 8 1981

Date: March 5, 1981
Operator's Well No. 1
AP: Well No. 07-031-0022
State County Permit

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES, OIL AND GAS DIVISION
OIL & GAS DIVISION
DEPT. OF MINES
OIL AND GAS WELL PERMIT APPLICATION

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

LOCATION: Elevation: 1776 Watershed: Trout Run
District: Capon County: Hardy Quadrangle: Wolfgap 7 1/2'

WELL OPERATOR Exxon Corporation
Address P. O. Box 60626
New Orleans, Louisiana 70160

DESIGNATED AGENT *C T Corporation System
Secretary of State
Address W. M. Woodroe
1200 Charleston National Plaza
Charleston, W. Virginia 25301
*Address for receipt of process

OIL & GAS ROYALTY OWNER Max A. Snyder and Charles A. Snyder
Address Rt. 1, Box 37
Baker, W. Virginia 26801

COAL OPERATOR None
Address _____

ACREAGE 159

SURFACE OWNER Same as above.
Address _____
Acres _____

COAL OWNER(S) WITH DECLARATION ON RECORD:
Name N/A
Address _____
Name _____
Address _____

FIELD SALE (IF MADE) TO:
Name Unknown
Address _____

COAL LESSEE WITH DECLARATION ON RECORD:
Name N/A
Address _____

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

The undersigned well operator is entitled to operate for oil or gas purposes at the above location under a deed / lease / other contract / dated July 8, 1978, to the undersigned well operator from Max A. Snyder and Charles A. Snyder

[If said deed, lease, or other contract has been recorded:]
Recorded on August 24, 1978, in the office of the Clerk of the County Commission of Hardy County, West Virginia, in Deed Book 152 at page 59. A permit is requested as follows:

PROPOSED WORK: Drill / 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 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) 349-3092

Exxon Corporation
Well Operator
By [Signature]
Attorney-in-Fact

PROPOSED WORK ORDER

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

DRILLING CONTRACTOR (IF KNOWN) Delta Drilling Co.
Address R.D. #4 Box #132A
Indiana, Penn. 15701

GEOLOGICAL TARGET FORMATION, Knox Dolemite

Estimated depth of completed well, 9,500 feet Rotary Cable tools _____
Approximate water strata depths: Fresh, 300 feet; salt, 500 feet.
Approximate coal seam depths: N/A 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	20	B	104	X		0-100		100 cu. ft.	or to surface
Fresh water	13 3/8	K55	54.5	X		0-500		400 cu. ft.	or to surface
Coal	N/A								
Intermediate	9 5/8	L80	40	X		0-2500		1000 cu. ft.	Sizes or to 1000'
Production	5 1/2	K55 N80	17	X		0-9,500		1300 cu. ft.	or to 6500'
Tubing	2 7/8	H40 K55	6.5	X		0-9,500		---	Depths set
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-3, "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 800 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.

*Packer sizes and setting depths will be determined from actual drilling and logging operations.

THIS PERMIT MUST BE POSTED AT THE WELL SITE.
Actual casing setting depths may vary depending on our drilling experience.

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 12-8-81

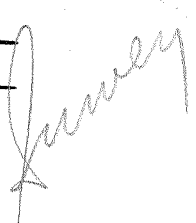

Deputy Director - Oil & Gas Division

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 § 22-4-30, 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 location, the well location has been added to the mine map. The undersigned has no objection to 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.

By _____
Its _____



Date: 8-13, 1981
 Operator's Name: Max A. Snyder et ux, et al
 Well No. 1
 API Well No. 47-031-022-P
 State County Permit

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

AFFIDAVIT OF PLUGGING AND FILLING WELL

WELL TYPE: Oil / Gas / Liquid Injection / Waste Disposal
 (If "Gas", Production / Underground storage / Deep / Shallow
 LOCATION: Elevation: 1776' Watershed: Trout Run
 District: CAPON County: HARDY Quadrangle: WOLF GAP QUAD 7 1/2'
(NW/4 EDINBURG 15' QUAD)

WELL OPERATOR EXXON CORPORATION
 Address P. O. BOX 60626
NEW ORLEANS, LA 70160

DESIGNATED AGENT Secretary of State
 Address W. M. Woodree
1200 Charleston National Plaza
Charleston, W. Virginia 25301
 *Address for receipt of process

STATE OF WEST VIRGINIA,)
 COUNTY OF HARDY) SS:

J. Murley and James Z Feucht

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 Exxon Corp.
 as well operator, and participated in the work of plugging and filling the above well; that the work
 commenced on 8-12, 1981, and completed on 8-12, 1981, in the
 following manner:

PERMITTED WORK: Plug and abandon / Clean out and replug
 Verbal approval to P&A well Mrs. Fred Burdette to Neal Terrell August 7, 1981.

PLUGGING MATERIALS

Type of Cement	Other Materials	Depth	Thickness
Class A Neat	2% CaCl	1260	136'
" "	"	1399	533'
10 bbls above retainer			
38 bbls below retainer			
Class A Neat	2% CaCl	38'	112'
Class A Neat	"	Surface	10'

COAL SEAMS (NAMES AND DEPTHS)
N/A

Bridge Plugs Used--Type and Depth
Halliburton EZSV set @
1396'

DESCRIPTION OF WELL MONUMENT
Letters and numbers are 3" in
height made of welding rod beads
on flat plate. Wording as follows:
Exxon Co. U.S.A Max Snyder
#1 API 47-031-0022
Aug. 1981.- Cemented
on 6" pipe 10' below surface.
Top of pipe 30" above surface

VENT PIPE N/A
 MISCELLANEOUS MATERIALS N/A
 CASING LOST 117'-20"; 646'-13 3/8"
1641'-9 5/8"
 TYPE OF RIG:
 Owner: Well Op'r / Contractor
 Rig time: days plus hours

 (SEAL)

 (SEAL)

Subscribed and sworn to before me this
13 day of Aug., 1981.
 My commission expires March 19, 1985.
47-031-022
David Schubert