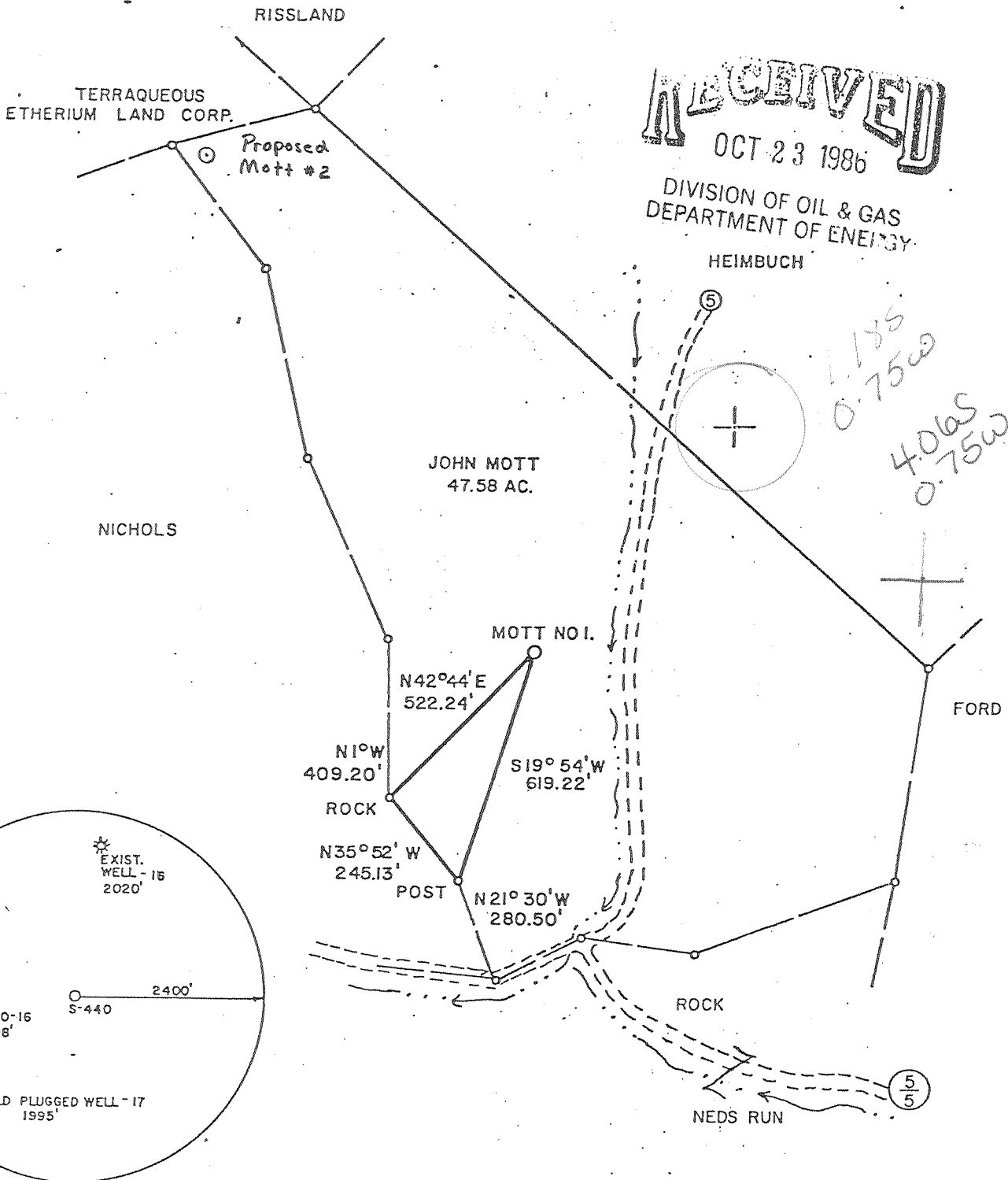


LATITUDE 39° 22' 30"

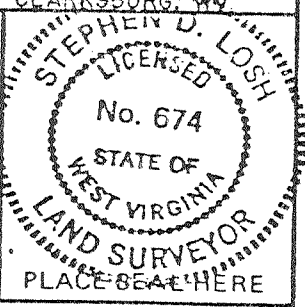


LONGITUDE 80° 40' 00" 6,095'

PREPARED BY DAVIS ASSOCIATES CLARKSBURG, WV

FILE NO. _____
 DRAWING NO. _____
 SCALE 1" = 400'
 MINIMUM DEGREE OF
 ACCURACY 1 in 200
 PROVEN SOURCE OF
 ELEVATION TOP OF KNOB 2000' NW
 LOCATION SPOT ELEV. 1322'

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) Stephen D. Losh
 R.P.E. _____ L.L.S. 674



STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION



DATE SEPT. 28, 19 82
 OPERATOR'S WELL NO. S-440
 API WELL NO. MOTT NO. 1

47 - 017 - 31525F
 STATE COUNTY PERMIT

LOCATES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS
 WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS,") PRODUCTION ___ STORAGE ___ DEEP ___ SHALLOW X
 LOCATION: ELEVATION 1024' WATER SHED NEDS RUN
 DISTRICT SMITHBURG COUNTY DODDRIDGE
 QUADRANGLE SMITHBURG 7.5 min. 611 022 WCY
 SURFACE OWNER WALTER HEIMBUCH ACREAGE 104.80
 OIL & GAS ROYALTY OWNER JOHN MOTT LEASE ACREAGE 47.58
 LEASE NO. 356

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 BENSON ESTIMATED DEPTH 5200' 6-6 Smithton-Flint-Sedelia
 WELL OPERATOR JAMES F. SCOTT DESIGNATED AGENT DARREL WRIGHT (199)
 ADDRESS P.O. BOX 112 ADDRESS P.O. BOX 112
 SALEM WV 25426 SALEM WV 25426

NOV 17 1986

MG 10/17/82 Plot

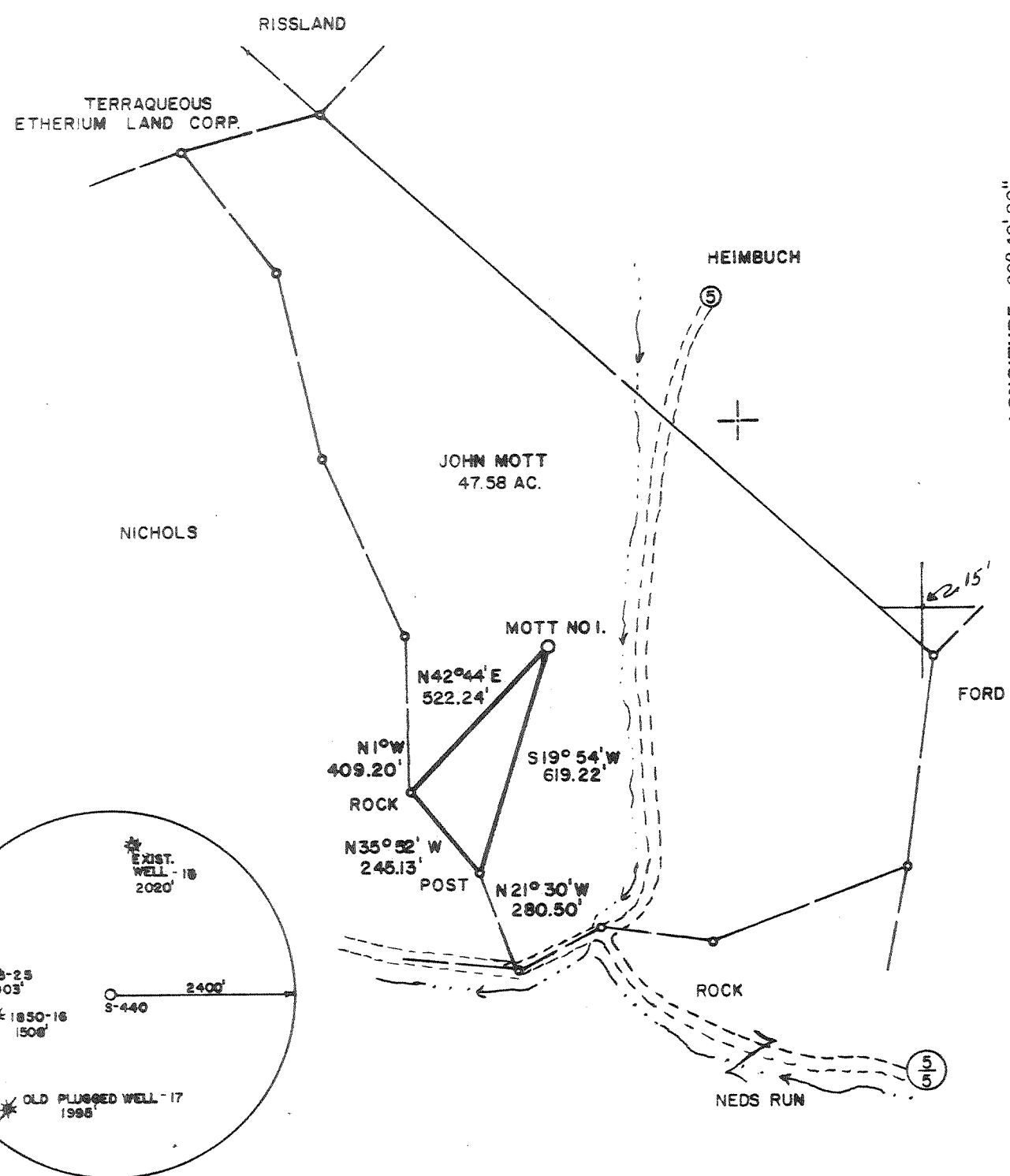
Card (CSD)

3920

LATITUDE 39° 22' 30"

LONGITUDE 80° 40' 00"

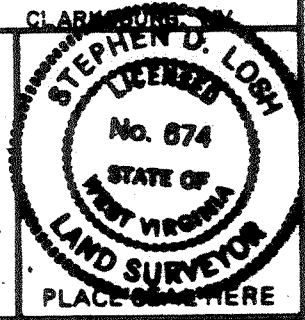
NORTH



PREPARED BY DAVIS ASSOCIATES CLARKSBURG, WV

FILE NO. _____
 DRAWING NO. _____
 SCALE 1" = 400'
 MINIMUM DEGREE OF ACCURACY 1 in 200
 PROVEN SOURCE OF ELEVATION TOP OF KNOB 2000' NW OF LOCATION SPOT ELEV. 1322'

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) Stephen D. Losh
 R.P.E. _____ L.L.S. 674



STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION



DATE SEPT 28, 19 82
 OPERATOR'S WELL NO. S-440
 API WELL NO. _____ MOTT NO. 1
47 - 017 - 3152
 STATE COUNTY PERMIT

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS
 WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS,") PRODUCTION X STORAGE ___ DEEP ___ SHALLOW X
 LOCATION: ELEVATION 1024' WATER SHED NEDS RUN
 DISTRICT SMITHBURG COUNTY DODDRIDGE
 QUADRANGLE SMITHBURG 7.5 min.
 SURFACE OWNER WALTER HEIMBUCH ACREAGE 104.80
 OIL & GAS ROYALTY OWNER JOHN MOTT LEASE ACREAGE 47.58
 LEASE NO. 356
 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 BENSON ESTIMATED DEPTH 5200'
 WELL OPERATOR JAMES F. SCOTT DESIGNATED AGENT DARREL WRIGHT
 ADDRESS P.O. BOX 112 ADDRESS P.O. BOX 112
SALEM, WV 26426 SALEM, WV 26426

MAR 5 1984

mg 10/17/82

Plot Card CSD

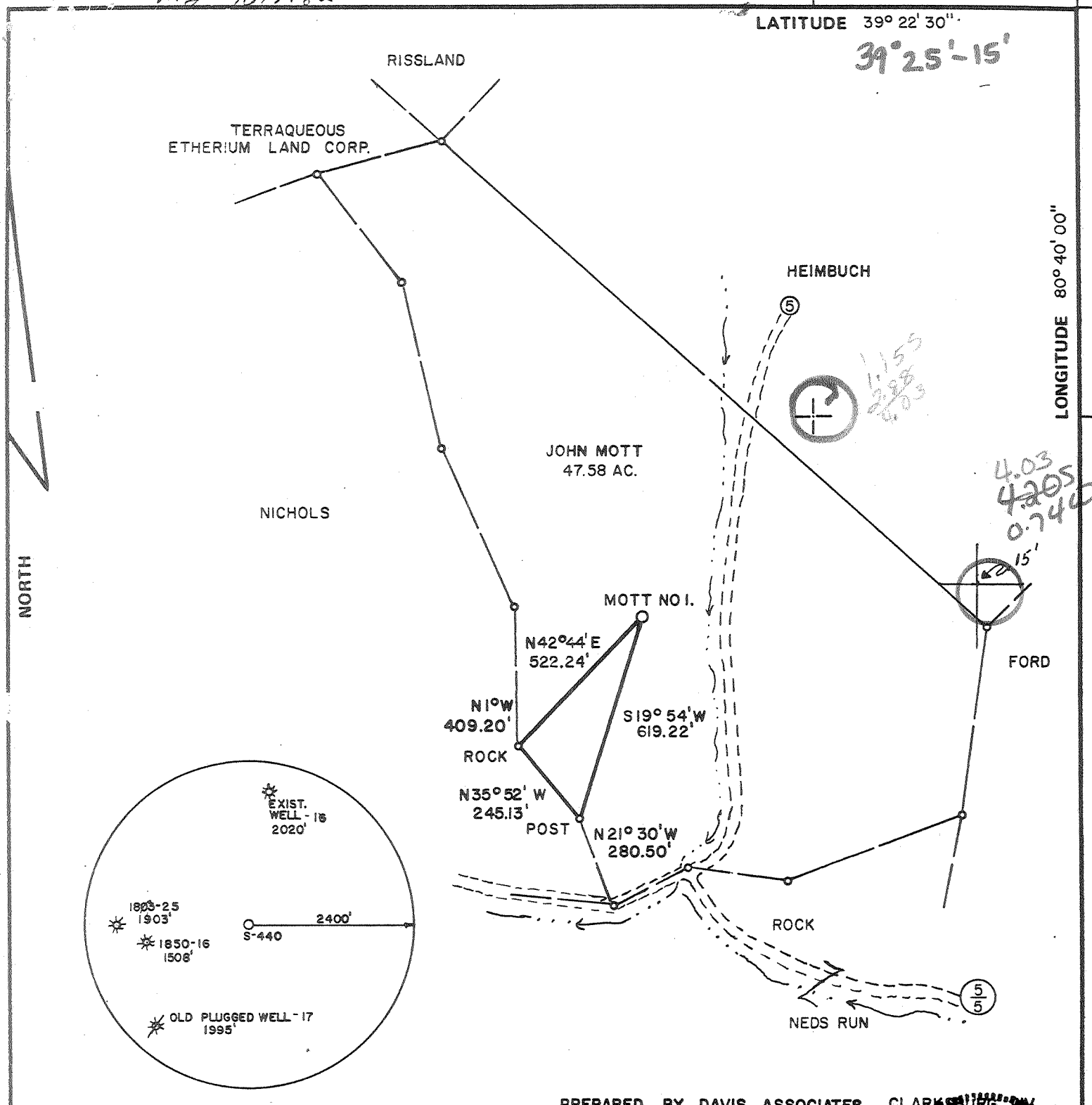
3920'

LATITUDE 39° 22' 30"

39° 25' - 15'

LONGITUDE 80° 40' 00"

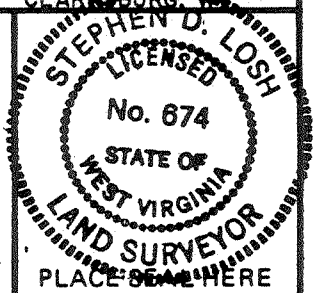
6.095'



PREPARED BY DAVIS ASSOCIATES CLARKSBURG, WV

FILE NO. _____
 DRAWING NO. _____
 SCALE 1" = 400'
 MINIMUM DEGREE OF ACCURACY 1 in 200
 PROVEN SOURCE OF ELEVATION TOP OF KNOB 2000' NW OF LOCATION SPOT ELEV. 1322'

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) Stephen D. Losh
 R.P.E. _____ L.L.S. 674



STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION



DATE SEPT. 28, 19 82
 OPERATOR'S WELL NO. S-440
 API WELL NO. MOTT NO. 1
47 - 017 - 3152
 STATE COUNTY PERMIT

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS
 WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS,") PRODUCTION X STORAGE ___ DEEP ___ SHALLOW X
 LOCATION: ELEVATION 1024' WATER SHED NEDS RUN
 DISTRICT GRANT COUNTY DODDRIDGE
 QUADRANGLE SMITHBURG 7.5 min.
 SURFACE OWNER WALTER HEIMBUCH ACREAGE 104.80
 OIL & GAS ROYALTY OWNER JOHN MOTT LEASE ACREAGE 47.58
 LEASE NO. 356
 PROPOSED WORK: DRILL X CONVERT ___ DRILL DEEPER ___ REDRILL ___ FRACTURE OR STIMULATE ___ PLUG OFF OLD FORMATION ___ PERFORATE NEW FORMATION ___ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____

Centerpoint WC

OCT 18 1982

PLUG AND ABANDON ___ CLEAN OUT AND REPLUG ___
 TARGET FORMATION BENSON ESTIMATED DEPTH 5200'
 WELL OPERATOR JAMES F. SCOTT DESIGNATED AGENT DARREL WRIGHT
 ADDRESS P.O. BOX 112 SALEM, WV 26426 ADDRESS P.O. BOX 112 SALEM, WV 26426

6-6 Smithton-Flint-Scalia (99)

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DEC 21 1987



WR-35

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

State of West Virginia
DEPARTMENT OF ENERGY
Oil and Gas Division

Date December 17, 1987
Operator's Well No. S-440
Farm John Mott #1
API No. 47 - 017 - 3152 - fr

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 x / Underground Storage ___ / Deep ___ / Shallow ___ /)

LOCATION: Elevation: 1024 Watershed Ned Run
District: Grant County Doddridge Quadrangle Smithburg

COMPANY Scott Oil Company
ADDRESS P. O. Box 112, Salem, WV 26426
DESIGNATED AGENT Darrel Wright
ADDRESS P. O. Box 112, Salem, WV 26426
SURFACE OWNER Walter Heimbuch
ADDRESS Rt. 2, Box 212-B, West Union, WV
MINERAL RIGHTS OWNER John Mott
ADDRESS _____
OIL AND GAS INSPECTOR FOR THIS WORK Mike Underwood
ADDRESS Rt. 2, Salem, WV
PERMIT ISSUED 11/13/86
DRILLING COMMENCED well fractured 12/22/86
DRILLING COMPLETED _____
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"			
9 5/8			
8 5/8		1600	to surface
7			
5 1/2			
4 1/2		5127	650 sks
3			
2			
Liners used			

GEOLOGICAL TARGET FORMATION Benson Depth _____ feet
Depth of completed well 5213 feet Rotary ___ / Cable Tools ___
Water strata depth: Fresh 18 feet; Salt _____ feet
Coal seam depths: _____ Is coal being mined in the area? ___

OPEN FLOW DATA
Producing formation Benson Pay zone depth _____ feet
Gas: Initial open flow not taken Mcf/d Oil: Initial open flow _____ Bbl/d
Final open flow not taken Mcf/d Final open flow _____ Bbl/d
Time of open flow between initial and final tests _____ hours
Static rock pressure not taken 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 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

DEC 22 1987

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

Benson 5066-5070

Sand 20/40 300 sks
80/100 50 sks

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DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all free and salt water, coal, oil and c
Fill			0	5	<p>RECEIVED DEC 21 1987 DIVISION OF OIL & GAS DEPARTMENT OF ENERGY</p>
Sand & Shale			5	18	
Sand			18	96	
Sand & Shale			96	278	
Sand			278	325	
Sand & Shale			325	400	
Sand			400	414	
Sand & Shale			414	490	
Sand			490	522	
Red Rock & Shale			522	541	
Sand			541	546	
Sand & Shale			546	587	
Sand			587	605	
Sand & Shale			605	982	
Red Rock			982	1014	
Sandy Shale			1014	1590	
Red Rock			1590	1888	
Big Lime			1888	2050	
Big Injun			2050	2090	
Sandy Shale			2090	5065	
Benson			5065	5070	
Shale			5070	5213TD	

(Attach separate sheets as necessary)

Scott Oil Company

Well Operator

By:

Date:

Daniel Wright
12/17/87

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."

4580

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IV-35
(Rev 8-81)

OIL AND GAS DIVISION
WV DEPARTMENT OF MINES

State of West Virginia

Department of Mines
Oil and Gas Division

Date December 2, 1982
Operator's
Well No. S - 440
Farm John Mott
API No. 47 - 017 - 3152

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 X / Underground Storage ___ / Deep ___ / Shallow X /)

LOCATION: Elevation: 1024 Watershed Neds Run
District: Grant County Doddridge Quadrangle Smithburg 7.5'

COMPANY James F. Scott

ADDRESS P.O. Box 112; Salem, WV 26426

DESIGNATED AGENT Darrel Wright

ADDRESS P.O. Box 112; Salem, WV 26426

SURFACE OWNER Walter Heimbuch

ADDRESS Rt. 2, Box 212-B, West Union, WV 26456

MINERAL RIGHTS OWNER John Mott

ADDRESS Rt. 1, Box 6-F, Centerville, Mo. 63633

OIL AND GAS INSPECTOR FOR THIS WORK Stephen Casey

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

PERMIT ISSUED October 7, 1982

DRILLING COMMENCED Nov. 2, 1982

DRILLING COMPLETED Nov. 10, 1982

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"			
9 5/8			
8 5/8		1600	to surface
7			
5 1/2			
4 1/2		5127	650 sks
3			
2			
Liners used			

GEOLOGICAL TARGET FORMATION Devonian Shale Depth 5300 feet

Depth of completed well 5213 feet Rotary X / Cable Tools _____

Water strata depth: Fresh 18 feet; Salt _____ feet

Coal seam depths: _____ Is coal being mined in the area? _____

OPEN-FLOW DATA

Producing formation Benson Devonian Shale Pay zone depth 5070 feet

Gas: Initial open flow 24 Mcf/d Oil: Initial open flow _____ Bbl/d

Final open flow 873 Mcf/d Final open flow _____ Bbl/d

Time of open flow between initial and final tests _____ hours

Static rock pressure 1600 psig (surface measurement) after 72 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

(Continue on reverse side)

DEC 13 1982

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

Frac with 10,000 # 80/100
35,000 # 20/40
550 bbls s/l fluid

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS
					Including indication of all fresh and salt water, coal, oil and gas
Fill			0	5	
Sand & Shale			5	18	
Sand			18	96	½" H2/O @ 18'
Sandy Shale			96	225	
Sand			225	262	
Shale & Red Rock			262	278	
Sand			278	325	
Shale			325	348	
Shale & Sand			348	380	
Red Rock & Shale			380	400	
Sand			400	414	
Sand & Shale			414	470	
Red Rock & Shale			470	490	
Sand			490	522	
Red Rock & Shale			522	541	
Sand			541	546	
Sand & Shale			546	587	
Sand			587	605	
Sand & Shale			605	840	
Red Rock & Sandy Shale			840	982	
Red Rock			982	1014	
Sandy Shale			1014	1590	
Red Rock			1590	1888	
Big Lime			1888	2050	
Big Injun			2050	2090	
Sandy Shale			2090	5065	
Benson			5065	5070	
Shale			5070	5213 TD	

(Attach separate sheets as necessary)

James F. Scott

Well Operator

By:

James F. Scott

Date:

December 2, 1982

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."

(Obver) 7/85

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OCT 23 1986



1) Date: October 21, 1986
 2) Operator's Well No. S-440 John Mott #1
 3) API Well No. 47 017 3152 frac
 State County Permit

STATE OF WEST VIRGINIA
 DIVISION OF OIL & GAS DEPARTMENT OF ENERGY, OIL AND GAS DIVISION
 DEPARTMENT OF ENERGY
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: 1024 Watershed: Neds Run
 District: Grant 3 County: Doddridge Quadrangle: Smithburg 6/0
- 6) WELL OPERATOR Scott Oil Co. 774 CODE: 44315 7) DESIGNATED AGENT Darrel Wright
 Address P. O. Box 112 Address P. O. Box 112
Salem, WV 26426 Salem, WV 26426
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED Name Mike Underwood
 Address Rt. 2, Box 114
Salem, WV 26426
- 9) DRILLING CONTRACTOR:
 Name _____
 Address _____
- 10) PROPOSED WELL WORK: Drill _____ / Drill deeper _____ / Redrill _____ / Stimulate X /
 Plug off old formation _____ / Perforate new formation X /
 Other physical change in well (specify) Drill out cement, perf, frac w/ TBG & packer.
- 11) GEOLOGICAL TARGET FORMATION, Benson 436 Packer.
- 12) Estimated depth of completed well, 5213 feet
- 13) Approximate trata depths: Fresh, _____ feet; salt, _____ feet.
- 14) Approximate coal seam depths: _____ Is coal being mined in the area? Yes _____ / No X /

15) 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	Sizes
Conductor	<u>11 3/4</u>					<u>30'</u>				
Fresh water										
Coal										
Intermediate	<u>8 5/8</u>						<u>1600</u>	<u>to surface</u>		
Production	<u>4 1/2</u>						<u>5127</u>	<u>650 sks</u>		
Tubing										
Lin.										

OFFICE USE ONLY
 DRILLING PERMIT

Permit number 47-017-3152-F Date November 13 19 86

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 November 13, 1988 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond: <u>✓</u>	Agent: <u>AS</u>	Plat: <u>✓</u>	Casing: <u>✓</u>	Fee: <u>75-5-15-1</u>	WPCP: <u>AS</u>	S&E	Other
----------------	------------------	----------------	------------------	-----------------------	-----------------	-----	-------

[Signature]
 Director, Division of Oil and Gas File

NOTE: Keep one copy of this permit posted at the drilling location.

See the reverse side of the APPLICANT'S COPY for instructions to the well operator.



Well No. S-440
Farm John Mott
API # 47 - 017- 3152
Date Oct. 6, 1982

STATE OF WEST VIRGINIA
OFFICE OF OIL AND GAS - DEPARTMENT OF MINES

OIL AND GAS WELL PERMIT APPLICATION

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

LOCATION: Elevation: 1024 Watershed: Neds Run
District: Grant County: Doddridge Quadrangle: Smithburg 7.5'

WELL OPERATOR James F. Scott
Address P.O. Box 112
Salem, WV 26426

DESIGNATED AGENT Darrel Wright
Address P.O. Box 112
Salem, WV 26426

OIL AND GAS
ROYALTY OWNER John Mott
Address Rt. 1 Box 6-F
Centerville, Mo. 63633
Acreage 47

COAL OPERATOR
Address

SURFACE OWNER Walter Heimbuch
Address Rt. 2 Box 212-B
West Union, WV 26456
Acreage 104.8

COAL OWNER(S) WITH DECLARATION ON RECORD:
NAME NO COAL
Address
NAME
Address

FIELD SALE (IF MADE) TO:
NAME
Address

COAL LESSEE WITH DECLARATION ON RECORD:
NAME
Address

OIL AND GAS INSPECTOR TO BE NOTIFIED:
NAME Stephen Casey
Address Rt. 2 Box 232-D
Jane Lew, WV 26378
Telephone 884-7470

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OCT 07 1982

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 July 29 1982, to the undersigned well operator from John Mott & Clovis Mott.

(If said deed, lease, or other contract has been recorded:)

Recorded on , 19 , in the office of the Clerk of County Commission of County, West Virginia, in Book at page . A permit is requested as follows:

PROPOSED WORK: Drill X / 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 receipt of this Application by the Dept. 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 lessees on or before the day of the mailing or delivery of this 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
1613 WASHINGTON ST., E.
CHARLESTON, WV 25311
Telephone - 304/348-3092

James F. Scott
Well Operator
By: James F. Scott
Its: Owner

(Revised 3-81)

PROPOSED WORK ORDER

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

DRILLING CONTRACTOR (IF KNOWN) UNKNOWN

Address _____

GEOLOGICAL TARGET FORMATION Benson ; Alexander

Estimated depth of completed well 5300 feet. Rotary X / Cable tools /

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

Approximate coal seam depths:

Is coal being mined in this area: Yes / No X /

CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SPECIFICATIONS					FOOTAGE INTERVALS		CEMENT FILL- UP OR SACKS Cubic ft.	PACKERS
	Size	Grade	Weight per ft	New	Used	For Drill- ling	Left in Well		
Conductor	11 3/4					30			Kinds
Fresh water									
Coal									Sizes
Intermed.	8 5/8						900	to surface	
Production	4 1/2						5300	700 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,

ARTICLE 4 OF THE W. VA. CODE, THE LOCATION IS HEREBY

APPROVED FOR drilling THIS PERMIT SHALL EXPIRE

IF OPERATIONS HAVE NOT COMMENCED BY 6-8-83

BY [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:

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 regularions.

Date: , 19 .

By: _____

Its: _____



1) Date: January 26, 19 84
 2) Operator's Well No. S-440 John Mott
 3) API Well No. 47 - 017 - 3152 - FRAC
 State County Permit

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

- 4) WELL TYPE: A Oil Gas
 B (If "Gas", Production Underground storage Deep Shallow)
 5) LOCATION: Elevation: 1024 Watershed: Neds Run
 District: Grant County: Doddridge Quadrangle: Smithburg
 6) WELL OPERATOR James F. Scott 7) DESIGNATED AGENT Darrel Wright
 Address P. O. Box 112 Address P. O. Box 112
Salem, WV 26426 Salem, WV 26426
 8) OIL & GAS INSPECTOR TO BE NOTIFIED 9) DRILLING CONTRACTOR:
 Name Stephen Casey Harold Mike Underwood Name _____
 Address Route 2, Box 232-D Jane Lew, WV 26378 Route 2, Box 114 Salem, WV Address _____
 10) PROPOSED WELL WORK: Drill Drill deeper Redrill Stimulate
 Plug off old formation Perforate new formation
 Other physical change in well (specify) _____
 11) GEOLOGICAL TARGET FORMATION, Devonian Shale - BENSON

RECEIVED
 BENSON 30 1984
 OIL & GAS DIVISION
 DEPT. OF MINES
 No

15) 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					30'	Kinds
Fresh water							
Coal							Sizes
Intermediate	8 5/8					1600	to surface
Production	4 1/2					5127	650 sks
Tubing							Depths set
Liners							Perforations: Top <u>5068</u> Bottom <u>5070</u>

OFFICE USE ONLY
 DRILLING PERMIT

Permit number 47-017-3152-FRAC Date March 1, 19 84

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 March 1, 1986 unless well work is commenced prior to that date and prosecuted with due diligence.

BLANKET	Agent <u>lo</u>	Plat: <u>MH</u>	Casing <u>MH</u>	Fee <u>2026</u>
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[Signature]
 Administrator, Office of Oil and Gas

NOTE: Keep one copy of this permit posted at the drilling location.