

LATITUDE 39° 22' 30" 25 00

LONGITUDE 80° 40' 00" 4910

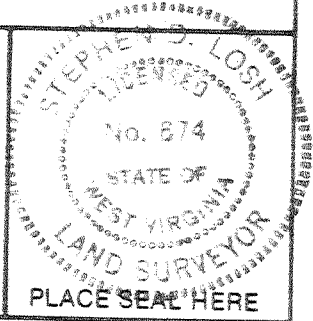
WELL REFERENCES:
 N69°W, 67' TO 14" W. OAK
 N16°W, 84.30' TO 10" Y. POPLAR

LAND SURVEYING SERVICES
 1412 N. 18 TH ST.
 CLARKSBURG, WV 26301
 PHONE: 304-623-1214

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS

FILE NO. _____
 DRAWING NO. _____
 SCALE 1" = 400'
 MINIMUM DEGREE OF ACCURACY 1 in 200
 PROVEN SOURCE OF ELEVATION EXIST. WELL 3152
 ELEV. - 1024'

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
 STEPHEN D. LOSH



STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION

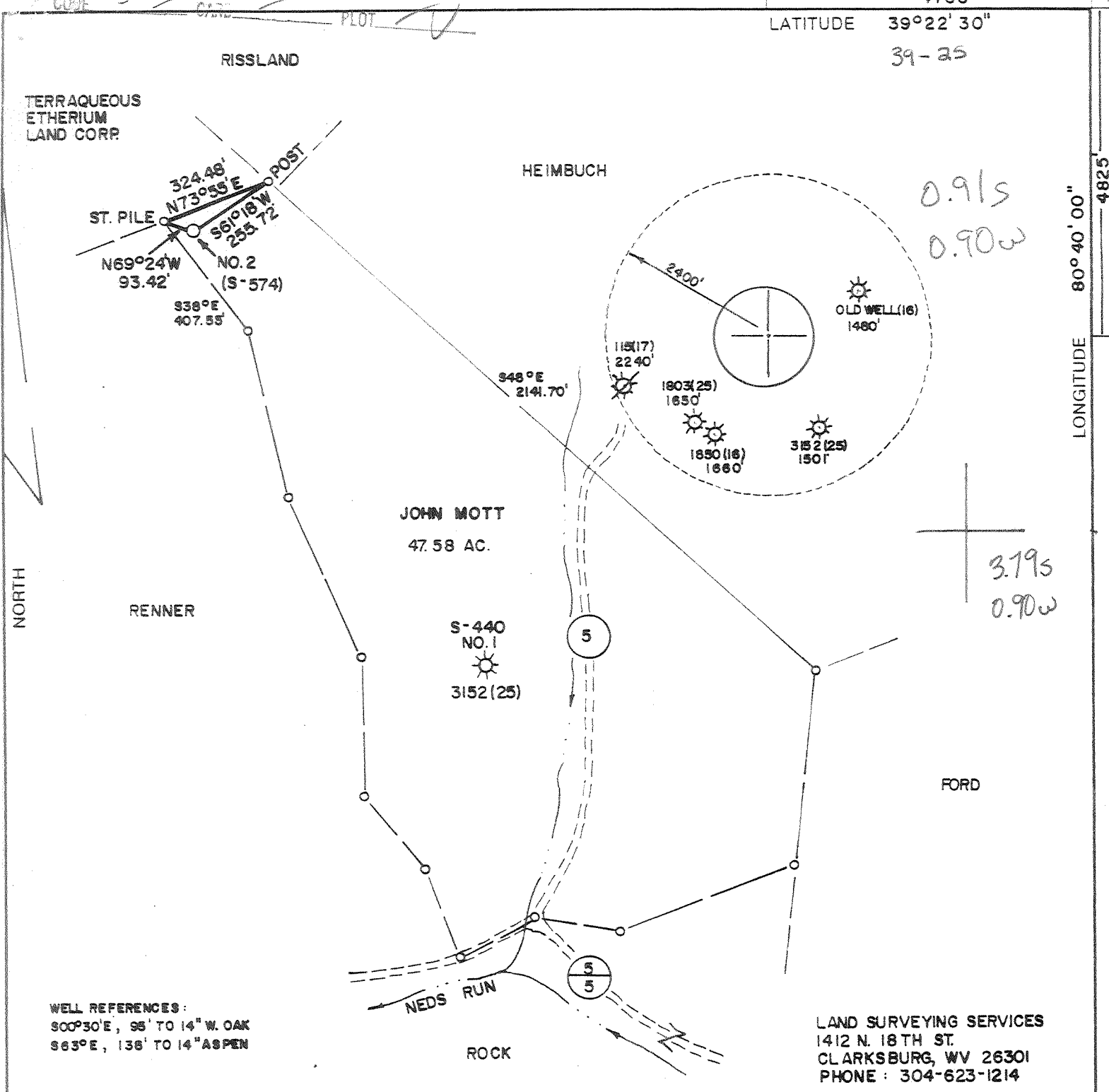


DATE JUNE 20, 1985
 OPERATOR'S WELL NO. S-574
 API WELL NO. MOTT NO. 2
 47 - 017 - 3437 - Rev
 STATE COUNTY PERMIT

WELL TYPE: OIL ___ GAS LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS,") PRODUCTION STORAGE ___ DEEP ___ SHALLOW
 LOCATION: ELEVATION 1265' WATER SHED NEDS RUN
 DISTRICT GRANT 3 COUNTY DODDRIDGE
 QUADRANGLE SMITHBURG 7.5 min. 611 022 WC 4
 SURFACE OWNER WALTER HEIMBUCH ACREAGE 104.80
 OIL & GAS ROYALTY OWNER JOHN MOTT LEASE ACREAGE 47.58
 LEASE NO. 356
 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 BENSON ESTIMATED DEPTH 5400'
 WELL OPERATOR SCOTT OIL COMPANY 774 DESIGNATED AGENT DARREL WRIGHT
 ADDRESS P. O. BOX 112 ADDRESS P. O. BOX 112
 SALEM, WV 26426 SALEM, WV 26426

AUG 12 1985

COUNTY NAME PERMIT



LATITUDE 39°22'30" 4760'
 39-25
 LONGITUDE 80°40'00" 4825'

0.915
 0.90w
 3.19s
 0.90w

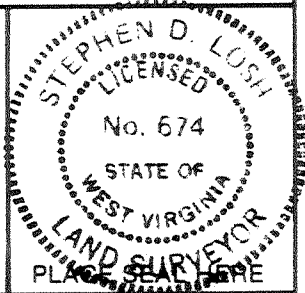
WELL REFERENCES:
 900°30'E, 95' TO 14" W. OAK
 963°E, 138' TO 14" ASPEN

LAND SURVEYING SERVICES
 1412 N. 18TH ST.
 CLARKSBURG, WV 26301
 PHONE: 304-623-1214

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS

FILE NO. _____
 DRAWING NO. _____
 SCALE 1" = 400'
 MINIMUM DEGREE OF ACCURACY 1 in 200
 PROVEN SOURCE OF ELEVATION EXIST. WELL 3152
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 (SIGNED) *Stephen D. Losh*
 R.P.E. _____ L.L.S. 674
 STEPHEN D. LOSH



STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
OIL AND GAS DIVISION

DATE APRIL 29, 1985
 OPERATOR'S WELL NO. S-574
 API WELL NO. MOTT NO. 2
47-017-3437
 STATE COUNTY PERMIT

WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS,") PRODUCTION ___ STORAGE ___ DEEP ___ SHALLOW X

LOCATION: ELEVATION 1265' WATER SHED BRUSH RUN
 DISTRICT GRANT 3 COUNTY DODDRIDGE
 QUADRANGLE SMITHBURG 7.5 min. 611 Centerpoint 022 WC 4

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 5400'
 WELL OPERATOR JAMES F. SCOTT DESIGNATED AGENT DARREL WRIGHT
 ADDRESS P.O. BOX 112 806 ADDRESS P.O. BOX 112
SALEM, WV 26426 SALEM, WV 26426

FORM IV-6 (8-78)
 H.T. HALL

COUNTY NAME
 PERMIT

6-6 Smithton-Flint-Sedalia (99)

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

Benson, Perfs 5308-5311 14 holes Sand 80/100 150 sks
20/40 400 sks

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS
					Including indication of all fr and salt water, coal, oil and
Top soil			0	10	
Sand & Shale			10	80	
Red Rock			80	95	
Sand & Shale			95	267	
Red Rock			267	310	
Shale			310	422	
Red Rock			422	514	
Shale			514	520	
Red Rock & Shale			520	565	
Sand & Shale			565	1070	
Red Rock			1070	1140	
Sand & Shale			1140	1595	
Sand			1595	1630	
Sand & Shale			1630	2130	
Red Rock			2130	2140	
Shale			2140	2155	
Big Lime			2155	2270	
Shale			2270	2304	
Big Injun GER + PO.			2304	2350	
Sand & Shale			2350	2970	
Sand			2970	2992	
Sand & Shale			2992	5320	
Sand Benson?			5320	5340	
Shale			5340	5457TD	

Days nearby of log is
2270

Benson @
T.D.

(Attach separate sheets as necessary)

Scott Oil Company
Well Operator
By: Daniel Wright
Date: 9/17/85

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 mineral, encountered in the drilling of a well."

FILE COPY
 RECEIVED
 MAY 22 1985



1) Date: _____, 19____
 2) Operator's Well No. S-574 John Mott #2
 3) API Well No. 47 -017-3437
 State _____ County _____ Permit _____

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

- OIL & GAS DIVISION
 DEPT. OF MINES
- 4) TYPE: Gas / Production / Underground storage _____ / Deep _____ / Shallow _____ /
- 5) LOCATION: Elevation: 1265 / Watershed: Brush Run
 District: Grant / County: Doddridge / Quadrangle: Smithburg 7.5
- 6) WELL OPERATOR: SCOTT OIL COMPANY JAMES F. SCOT / Address: P. O. Box 112 Salem, WV 26426 44315
- 7) DESIGNATED AGENT: Darrel Wright / Address: P. O. Box 112 Salem, WV 26426
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED: Name Mike Underwood / Address Route 2 Salem, WV 26426
- 9) DRILLING CONTRACTOR: Name _____ / 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: Benson
- 12) Estimated depth of completed well, 5400 feet
- 13) Approximate strata depths: Fresh, _____ feet; salt, _____ feet.
- 14) Approximate coal seam depths: _____ Is coal being mined in the area? Yes _____ / 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					1000'	to surface by rule 15.05
Production	4 1/2					5400	300 sks
Tubing							as required
Liners							by style 1510
							Top Bottom

OFFICE USE ONLY
 DRILLING PERMIT

Permit number 47-017-3437 Date June 12 19 85

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 June 12, 1987 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond:	Agent:	Plat:	Casing:	Fee:
137	AIB	MUMMU		129

Margaret J. Hass
 Administrator, Office of Oil and Gas

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.

File



1) Date: June 25, 19 85
 2) Operator's Well No. John Mott #2 S-574
 3) API Well No. 47 017-3437 Revised Permit
 State County

RECEIVED

JUL 1 0 1985

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

**OIL & GAS DIV.
 DEPT. OF MINES**

- 4) WELL TYPE: A or B Gas X /
 B (If "Gas", Production X / Underground storage _____ / Deep _____ / Shallow X /)
- 5) LOCATION: Elevation: 1265 / Watershed Brush Run
 District: Grant 3 / County: Doddridge / Quadrangle: Smithburg 7.5 610
- 6) WELL OPERATOR Scott Oil Company 774 / 7) DESIGNATED AGENT Darrel Wright
 Address P. O. Box 112 / Address P. O. Box 112
Salem, WV 26426 44315 / Salem, WV 26426
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED / 9) DRILLING CONTRACTOR:
 Name Mike Underwood / Name _____
 Address Route 2 / Address _____
Salem, WV 26426
- 10) PROPOSED WELL WORK: Drill X / Drill deeper _____ / Redrill _____ / Stimulate X /
 Plug off old formation _____ / Perforate new formation _____
 Other physical change in well (specify) _____
- 11) GEOLOGICAL TARGET FORMATION, Benson 435
- 12) Estimated depth of completed well, 5400 feet
- 13) Approximate strata 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>1000'</u>	<u>to surface by rule 15.05</u>		
Production	<u>4 1/2</u>						<u>5400'</u>	<u>300 sks to be set required by rule 15.01</u>		
Tubing										
Liners										
									Perforations:	
									Top	Bottom

OFFICE USE ONLY
 DRILLING PERMIT

Permit number 47-017-3437 Rev / August 2 19 85
 Date

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 August 2, 1987 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond: <u>✓</u>	Agent: <u>ALB</u>	Plat: <u>MW</u>	Casing: <u>MW</u>	Fee: <u>203</u>
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[Signature]
 Administrator, Office of Oil and Gas
 DIRECTOR, DIVISION

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.