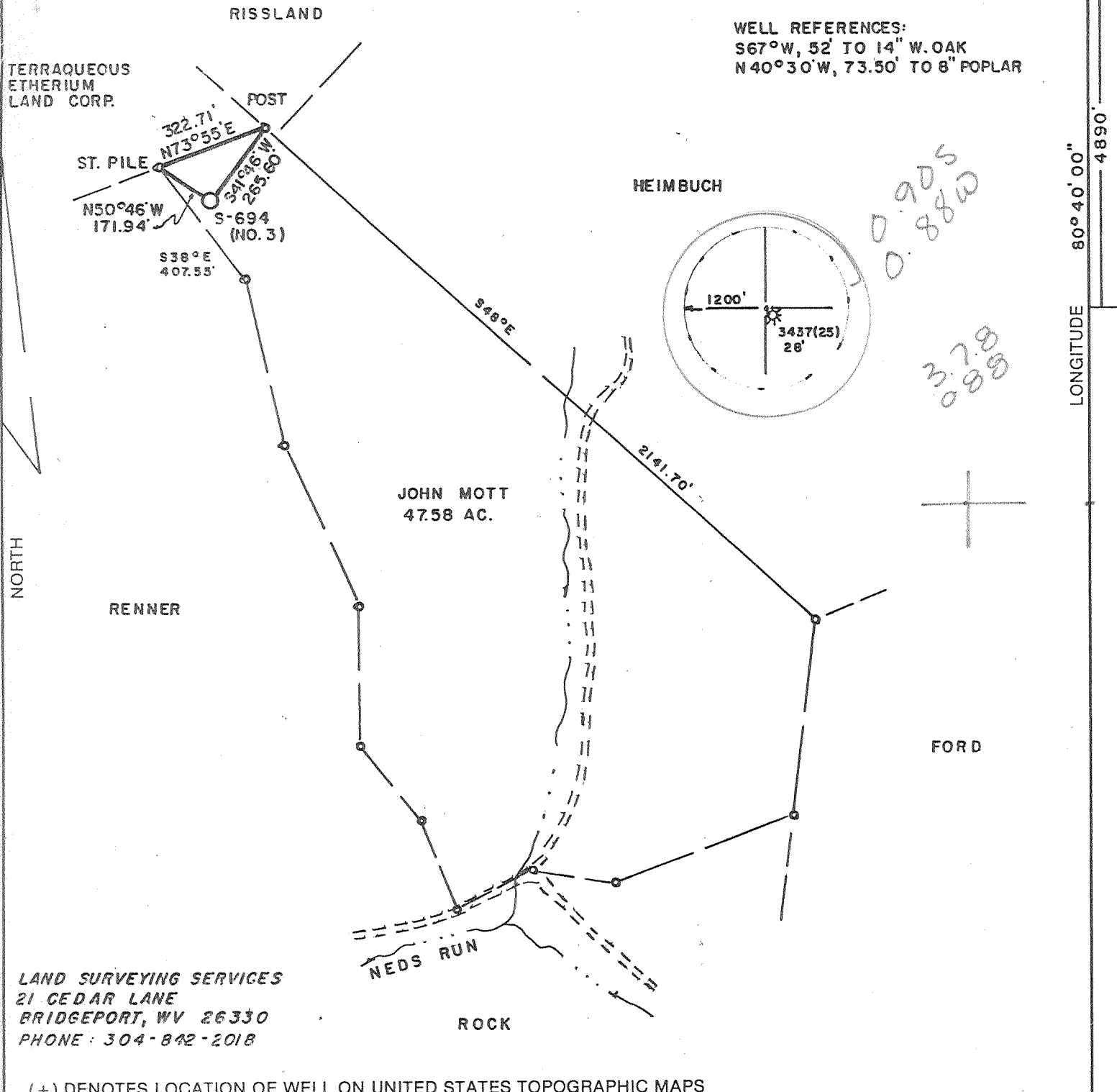


11/2/87

LATITUDE 39° 22' 30" 4710' 25



TERRAQUEOUS ETHERIUM LAND CORP.

WELL REFERENCES:
S67°W, 52' TO 14" W. OAK
N40°30'W, 73.50' TO 8" POPLAR

NORTH

LONGITUDE 80° 40' 00" 4890'

LAND SURVEYING SERVICES
21 CEDAR LANE
BRIDGEPORT, WV 26330
PHONE: 304-842-2018

(+) 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 ENERGY.
 (SIGNED) *Stephen D. Losh*
 R.P.E. _____ L.L.S. 674
 STEPHEN D. LOSH

STATE OF WEST VIRGINIA
 DEPARTMENT OF ENERGY
 LAND SURVEYOR
 PLACE SEAL HERE

STATE OF WEST VIRGINIA
 DEPARTMENT OF ENERGY
 OIL AND GAS DIVISION



DATE OCTOBER 20, 19 87
 OPERATOR'S WELL NO. S-694
 API WELL NO. MOTT NO. 3
 47 - 017 - 3612
 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. 616 022 WC4 Center Point WC
 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 MAXTON ESTIMATED DEPTH 2100'
 WELL OPERATOR SCOTT OIL COMPANY DESIGNATED AGENT DARREL WRIGHT
 ADDRESS P.O. BOX 112 774 ADDRESS P.O. BOX 112
 SALEM, WV 26426 SALEM, WV 26426

NOV 16 1987

66 Smithton-Flint-Sedalia (99)

FORM WW-6 H.T. HALL 4-8673

COUNTY NAME PERMIT

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JUN 07 1988

28-Apr-88
API # 47- 17-03612

State of West Virginia
DEPARTMENT OF ENERGY
Division of Oil and Gas

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

Well Operator's Report of Well Work

Farm name: HEIMBUCH, WALTER Operator Well No.: J. MOTT 3 S-694

LOCATION: Elevation: 1265.00 Quadrangle: SMITHBURG

District: GRANT County: DODDRIDGE
Latitude: 4890 Feet South of 39 Deg. 22Min. 30 Sec.
Longitude 4710 Feet West of 80 Deg. 40 Min. 0 Sec.

Company: SCOTT OIL CO.
P. O. BOX 8
GREENWOOD, VA

Agent: JOHN T. HASKINS

Inspector: MIKE UNDERWOOD
Permit Issued: 11/12/87
Well work Commenced: 11/30/87
Well work Completed: 12/5/87
Verbal Plugging
Permission granted on: _____
Rotary Cable Rig
Total Depth (feet) 2225
Fresh water depths (ft) 100'
Salt water depths (ft) 753

Is coal being mined in area (Y/N)? n
Coal Depths (ft): 135

Casing & Tubing	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
Size			
11 3/4	30		
8 5/8		1675	to surface

OPEN FLOW DATA

Producing formation Maxton Pay zone depth (ft) _____
Gas: Initial open flow _____ MCF/d Oil: Initial open flow _____ Bbl/d
Final open flow 50 MCF/d Final open flow _____ Bbl/d
Time of open flow between initial and final tests _____ Hours
Static rock Pressure 370 psig (surface pressure) after _____ Hours

Second producing formation _____ Pay zone depth (ft) _____
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 pressure) after _____ Hours

NOTE: ON BACK OF THIS FORM PUT THE FOLLOWING: 1). DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. 2). THE WELL LOG WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE.

For: SCOTT OIL CO.
By: Daniel Wright
Date: 6/3/88

JUN 10 1988

Shot Maxton

Sand	0	61
Sand	61	69
Sand & Shale	69	146
Coal	135	136
Sand & Shale	136	142
Sand	142	195
Sand & Shale	195	235
Red Rock	235	250
Sand & Shale	250	730
Red Rock & Shale	730	760
Sand	760	790
Red Rock & Shale	790	850
Sand	850	900
Sand & Shale	900	1780
Sand	1780	1830
Shale	1830	1847
Sand & Shale	1847	2145
Little Lime	2145	2157
Sand & Shale	2157	2180
Big Lime	2180	<u>2225TD</u>

Gamma Ray

Maxton	1990	2040
Big Lime	2185	

800 1/2 1/2 1/2
1/2 1/2 1/2 1/2
1/2 1/2 1/2 1/2

RECEIVED
JUN 07 1988

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

6317

RECEIVED
OCT 27 1987



1) Date: October 21, 19 87
2) Operator's Well No. S-694 John Mott #3
3) API Well No. 47 - 017 - 3612
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 B (If "Gas", Production / Underground storage Deep / Shallow)
- 5) LOCATION: Elevation: 1265 Watershed: Neds Run
District: Grant 3 County: Doddridge 017 Quadrangle: Smithburg 7.5 610
- 6) WELL OPERATOR Scott Oil Co. 704 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 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, Maxton
- 12) Estimated depth of completed well, 2100 feet
- 13) Approximate strata depths: Fresh, 18', 60', 75', 90', 140', 200' feet; salt, 1650-1665 feet.
- 14) Approximate coal seam depths: 474'-467' Is coal being mined in the area? Yes / No
- 15) CASING AND TUBING PROGRAM From 1444, 1903, 1811, 1850, 3152, 3437 Doddridge

CASING OR TUBING TYPE	SPECIFICATIONS				FOOTAGE INTERVALS		CEMENT FILL-UP OR SACKS (Cubic feet)	PACKERS
	Size	Grade	Weight per ft.	New	Used	For drilling		
Conductor	11 3/4					120'		Kinds
Fresh water								
Coal								
Intermediate	8 5/8					1650	to surface	Sizes <u>38CSR18-11.3</u>
Production	4 1/2					2100	200 sks	Depth set <u>38CSR18-11.1</u>
Tubing							<u>or as required by 38CSR18-11.1</u>	
Liners								Perforations: Top Bottom

See Permit Attachment

OFFICE USE ONLY
DRILLING PERMIT

Permit number 47-017-3612 11/12 Date 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 11/12/89 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond: <input checked="" type="checkbox"/>	Agent: <input checked="" type="checkbox"/>	Plat: <input checked="" type="checkbox"/>	Casing: <input checked="" type="checkbox"/>	Fee: <u>235</u>	WPCR: <input checked="" type="checkbox"/>	SWP: <input checked="" type="checkbox"/>	Other: <input type="checkbox"/>
---	--	---	---	-----------------	---	--	---------------------------------

1175

See Attachment to Permit

NOTE: Keep one copy of this permit posted at the drilling location. Director, Division of Oil and Gas File

088 11/2/87

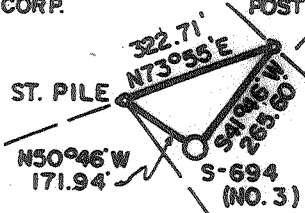
4710' LATITUDE 39° 22' 30"

WELL REFERENCES:
S67°W, 52' TO 14" W. OAK
N40°30'W, 73.50' TO 8" POPLAR

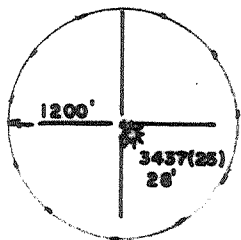
TERRAQUEOUS
ETHERIUM
LAND CORP.

RISSLAND

POST



HEIMBUCH



0.925
0.980

LONGITUDE 80° 40' 00" 4862

NORTH

RENNER

JOHN MOTT
47.58 AC.

2141.70'

FORD

NEDS RUN

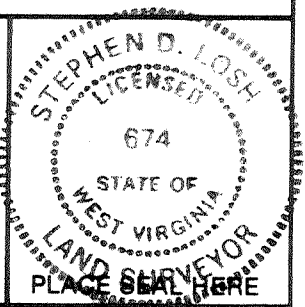
ROCK

LAND SURVEYING SERVICES
21 CEDAR LANE
BRIDGEPORT, WV 26330
PHONE: 304-842-2018

(+) 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

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 (SIGNED) Stephen D. Losh
 R.P.E. _____ L.L.S. 674
 STEPHEN D. LOSH



STATE OF WEST VIRGINIA
 DEPARTMENT OF ENERGY
 OIL AND GAS DIVISION



DATE OCTOBER 20, 19 87
 OPERATOR'S WELL NO. S-694
 API WELL NO. MOTT NO. 3

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

LOCATION: ELEVATION 1265' WATERSHED 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) _____

PLUG AND ABANDON ___ CLEAN OUT AND REPLUG ___
 TARGET FORMATION MAXTON ESTIMATED DEPTH 2100'

WELL OPERATOR 149 Cabot Oil & Gas Corporation SIGNED AGENT. Dave McCluskey
 ADDRESS 400 Fairway Drive, Suite 400 ADDRESS One Valley Square, Suite 800
Coraopolis, Pa. 15108 Charleston, wva. 25301

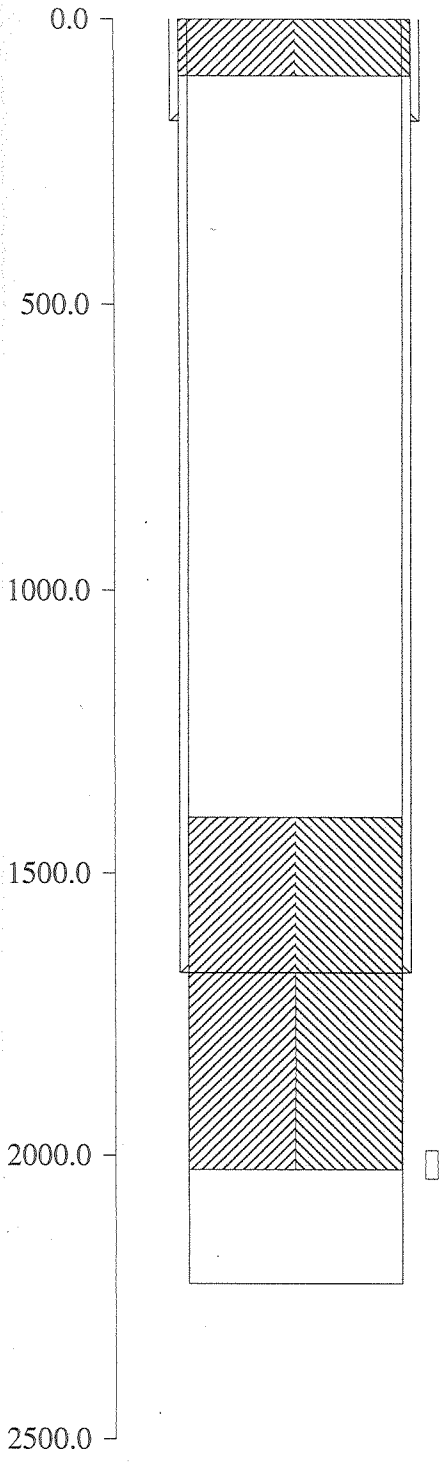
COUNTY NAME DODD
PERMIT 3612

FORM WW-6
H.T. HALL 49673

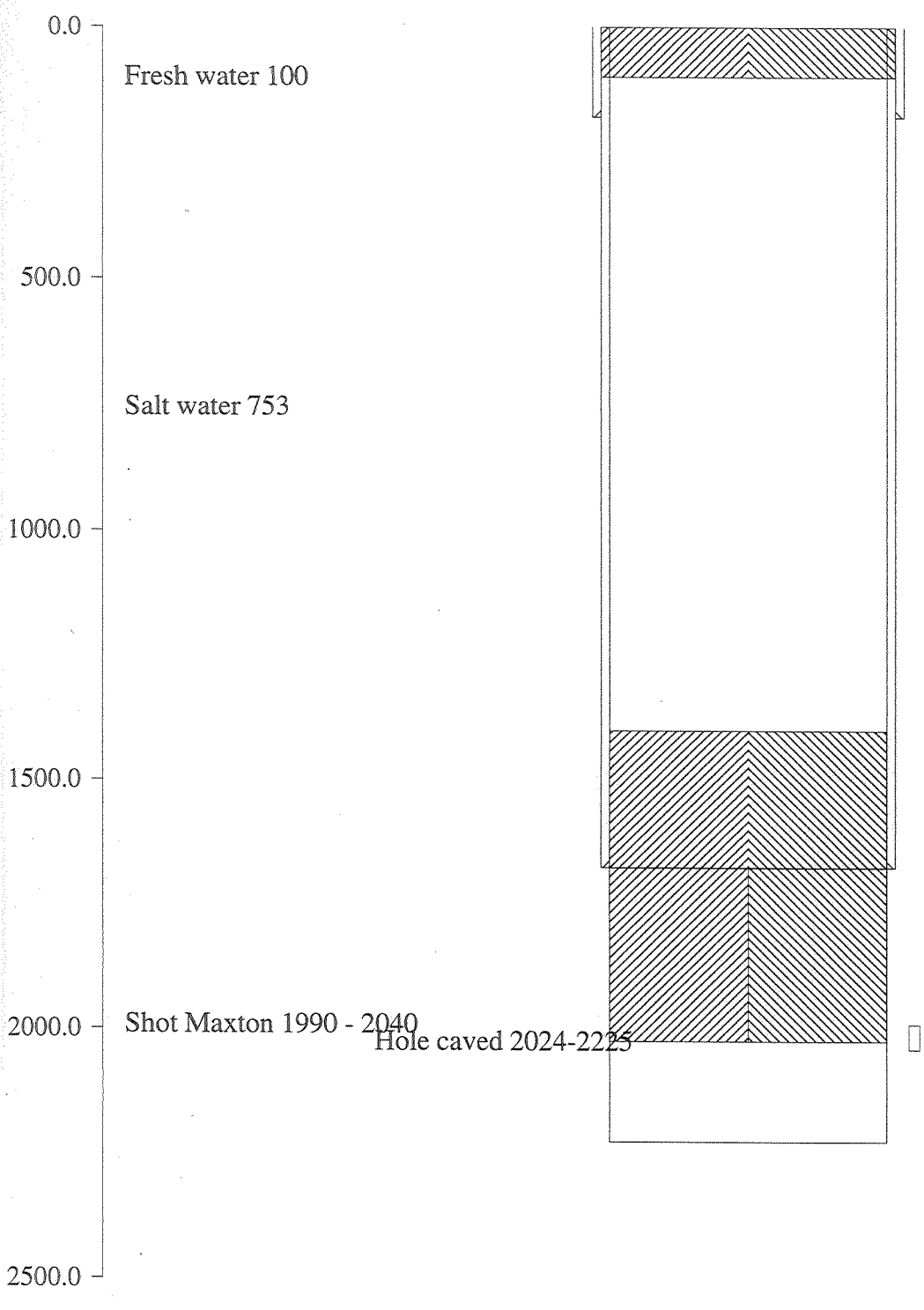
1000.5012

WELL INFORMATION 12/14/1995

Well Name: J Mott 3 S-694 Field:
 Property: Walter Heimbuch API #: 47-017- 3612
 County: Doddridge State: WV
 Spud Date: 11/30/1987 Completion Date: 12/05/1987
 Kelly Bushing (ft): 0.0 Elevation Reference: Ground Level
 Wellhead (ft): 1265.0 Elevation (ft): 0.0
 Max. Deviation (Degree): 0.0



Hole			Reference from Wellhead			
ID	MD	TVD	Comment			
16.000	180.0	180.0	Hole segment number one			
10.000	1675.0	1675.0	Hole segment number two			
6.000	2225.0	2225.0	Hole segment number three			
Hole Plug			Reference from Wellhead			
Top	Bottom	Comment				
1676.0	2024.0					
Casing String #1			Reference from Wellhead			
OD	ID	Top	Bottom	Weight	Grade	Comment
11.750	11.150	0.0	180.0	38.00	F-25	
8.625	8.097	0.0	1675.0	24.00	F-25	
Casing Plug Back			Reference from Wellhead			
Top	Bottom	Type	Comment			
1400.0	1675.0	Cement				
Casing Plug Back			Reference from Kelly Bushing			
Top	Bottom	Type	Comment			
0.0	100.0	Cement				
Zone						
Date	Top	Bottom	State	Reference	Description	Comme
12/14/1995	1990.0	2040.0	N/A	KB	Zone	shot Max



STATE OF WEST VIRGINIA
DIVISION OF ENVIRONMENTAL PROTECTION
SECTION OF OIL AND GAS

AFFIDAVIT OF PLUGGING AND FILLING WELL

AFFIDAVIT SHOULD BE IN TRIPLICATE, one copy mailed to the Division, one copy to be retained by the Well Operator and the third copy (and extra copies if required) should be mailed to each coal operator at their respective addresses.

Farm name: W. Heimbuch/W. Werner Operator Well No.: John Mott #3
 LOCATION: Elevation: 1,265.00 Quadrangle: Smithburg
 District: Grant County: Doddridge
 Latitude: 4,890 feet South of 39 DEG. 22 MIN. 30 SEC.
 Longitude: 4,710 feet West of 80 DEG. 40 MIN. 0 SEC.

Well Type: OIL GAS X
 Company: Cabot Oil & Gas Corp. Coal Operator N/A
400 Fairway Drive Ste. 400 or Owner _____
Coraopolis, PA 15108
 Agent: John W. Abshire Coal Operator N/A
 or Owner _____

Permit Issued: 12/22/94

Comp
12/05/1997
TD 2225
(Short)
#H2O
100
Sack
H2O
733

RECEIVED
Environmental Protection
Division
FEB 21 1997
Office of Oil & Gas
Permitting

AFFIDAVIT

STATE OF WEST VIRGINIA,
County of Doddridge ss: Roy Prudnick, Jr. and Dan Grove 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 and were employed by
 the above named well operator, and participated in the work of plugging
 and filling the above well, and Mike Underwood Oil and
 Gas Inspector representing the Director, say that said work was
 commenced on the 14th day of December 19 95, and that
 the well was plugged and filled in the following manner:

TYPE	FROM	TO	PIPE REMOVED	LEFT
Hole Caved	2225'	2024'	11-3/4" 0'	180'
Cement	2024'	1400'	8-5/8" 0'	1676'
Gel	1400'	100'		
Cement	100'	Surface		

Description of monument: 4-1/2" x 4' monument with I.D. marker
 and that the work of plugging and filling said well was completed on
 the 14th day of December 19 95
 And further deponents saith not.

Sworn and subscribe before me this 14th day of FEBRUARY, 19 97
 My commission expires: JUNE 17, 2000
Roy Prudnick, Jr.
Dan Grove
Cynthia M. Stegenga
 Notary Public

Notarial Seal
 Cynthia M. Stegenga, Notary Public
 West Bellemont Twp., Washington County
 My Commission Expires June 17, 2000
 Member, Pennsylvania Association of Notaries

FEB 21 1997