

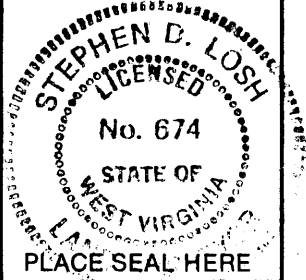
WELL REFERENCES:  
 N54°E, 123.50' TO 12" RED MAPLE  
 S81°45'W, 119' TO ANTENNA TOWER

LAND SURVEYING SERVICES  
 1412 NORTH 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" = 200'  
 MINIMUM DEGREE OF ACCURACY 1 IN 200  
 PROVEN SOURCE OF ELEVATION B.M. 890' NW. OF LOC.  
 AT ELEVATION 1030'

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) *[Signature]*  
 R.P.E. \_\_\_\_\_ L.L.S. NO. 674  
 STEPHEN D. LOSH



**STATE OF WEST VIRGINIA**  
 DEPARTMENT OF ENERGY  
 OIL AND GAS DIVISION

DATE JUNE 15, 19 86  
 OPERATOR'S WELL NO. S-621  
 API WELL NO. L. L. MOSS  
47-041-3737  
 STATE COUNTY PERMIT

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

LOCATION: ELEVATION 1137' WATER SHED HACKERS CREEK  
 DISTRICT HACKERS CREEK 4 COUNTY LEWIS  
 QUADRANGLE WESTON 670 132 15

SURFACE OWNER BOARD OF EDUCATION ACREAGE 2.8  
 OIL & GAS ROYALTY OWNER L. L. MOSS LEASE ACREAGE 17  
 LEASE NO. 1983

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 ELK ESTIMATED DEPTH 5800'  
 WELL OPERATOR SCOTT OIL COMPANY DESIGNATED AGENT DARREL WRIGHT  
 ADDRESS P. O. BOX 112 ADDRESS P. O. BOX 112  
 SALEM, WV 26426 SALEM, WV 26426

JUL 28 1986

RECEIVED  
SEP 10 1986



DIVISION OF OIL & GAS  
DEPARTMENT OF ENERGY

State of West Virginia

Department of Mines  
Oil and Gas Division

Date September 9, 1986

Operator's

Well No. S-621

Farm L. L. Moss

API No. 47 - 041 - 3737

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: 1137 Watershed Hackers Creek  
District: Hackers Creek County Lewis Quadrangle Weston

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 Lewis County Board of Education

ADDRESS Weston, WV 26452

MINERAL RIGHTS OWNER L. L. Moss

ADDRESS \_\_\_\_\_

OIL AND GAS INSPECTOR FOR THIS WORK Stephen

Casey ADDRESS Rt. 2, Jane Lew

PERMIT ISSUED July 22, 1986

DRILLING COMMENCED 8/21/86

DRILLING COMPLETED 8/27/86

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"	30'		
9 5/8			
8 5/8		810	to surface
7			
5 1/2			
4 1/2		4290	510 sks
3			
2			
Liners used			

GEOLOGICAL TARGET FORMATION \_\_\_\_\_ Depth \_\_\_\_\_ feet

Depth of completed well 5350 feet Rotary \_\_\_ / Cable Tools \_\_\_\_\_

Water strata depth: Fresh 380 feet; Salt \_\_\_\_\_ feet

Coal seam depths: \_\_\_\_\_ Is coal being mined in the area? no

OPEN FLOW DATA

Producing formation Benson, Fifth Sand, Gordon Pay zone depth \_\_\_\_\_ feet

Gas: Initial open flow \_\_\_\_\_ Mcf/d Oil: Initial open flow \_\_\_\_\_ Bbl/d

Final open flow 805 Mcf/d Final open flow \_\_\_\_\_ Bbl/d

Time of open flow between initial and final tests \_\_\_\_\_ hours

Static rock pressure 625 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

SEP 15 1986

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

Benson	<u>4180-4186</u>	20/40	450 sks	
Fifth Sand	<u>2184-2188</u>	20/40	75 sks	Acid 500 gal
Gordon	<u>2054-2062</u>	20/40	75 sks	Acid 500 gal

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS
					Including indication of all f and salt water, coal, oil and
Sand & Shale			0	1045	
Gray Shale/Red Rock			1045	1230	
Little Lime			1230	1280	
Big Lime			1280	1455	
Shale			1455	2190	
5th Sand			2190	2210	
Sand			2210	2300	
Shale			2300	3200	
Sand & Shale			3200	5350TD	
				5110TD	
Gamma Ray Tops ✓					
Big Lime			1296		
Gordon			2050		
5th Sand			2130		
Balltown			3034		
Benson			4177		

(Attach separate sheets as necessary)

Scott Oil Company

Well Operator

By:

*Daniel Wright*

Date:

9/9/86

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 ~~and~~, encountered in the drilling of a well."



1) Date: June 19, 19 86  
 2) Operator's Well No. S-621 L. L. Moss  
 3) API Well No. 47 -041-3737  
 State County Permit

7/85  
**RECEIVED**  
 JUN 23 1986

STATE OF WEST VIRGINIA  
 DEPARTMENT OF ENERGY, 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: 1137 Watershed: Hackers Creek  
 District: Hackers Creek 4 County: Lewis Quadrangle: Weston 669
- 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 9) DRILLING CONTRACTOR:  
 Name Stephen Casey Name \_\_\_\_\_  
 Address Route 2 Address \_\_\_\_\_  
Jane Lew, WV
- 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, E1k 437
- 12) Estimated depth of completed well, 5800 feet
- 13) Approximate strata depths: Fresh, 2107, 245 feet; salt, 21317 feet.
- 14) Approximate coal seam depths: 554, 710 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	For drilling	Left in well			
Conductor	11 3/4					30'			Kinds	
Fresh water										
Coal									Sizes	
Intermediate	8 5/8						800'	to surface	Per Rule 15.05	
Production	4 1/2						5800'	400 sks	Depths set	
Tubing										
Lin.									Perforations:	
									Top Bottom	

OFFICE USE ONLY  
**DRILLING PERMIT**

Permit number 47-041-3737 Date July 22 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 July 22, 1988 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond: <input checked="" type="checkbox"/>	Agent: <u>AS</u>	Plat: <u>AS</u>	Casing: <u>AS</u>	Fee: <u>595</u> <u>125</u>	WPCP: <u>AS</u>	S&E: <u>AS</u>	Other: _____
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NOTE: Keep one copy of this permit posted at the drilling location.

John H. Johnston  
 Director, Division of Oil and Gas

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

File