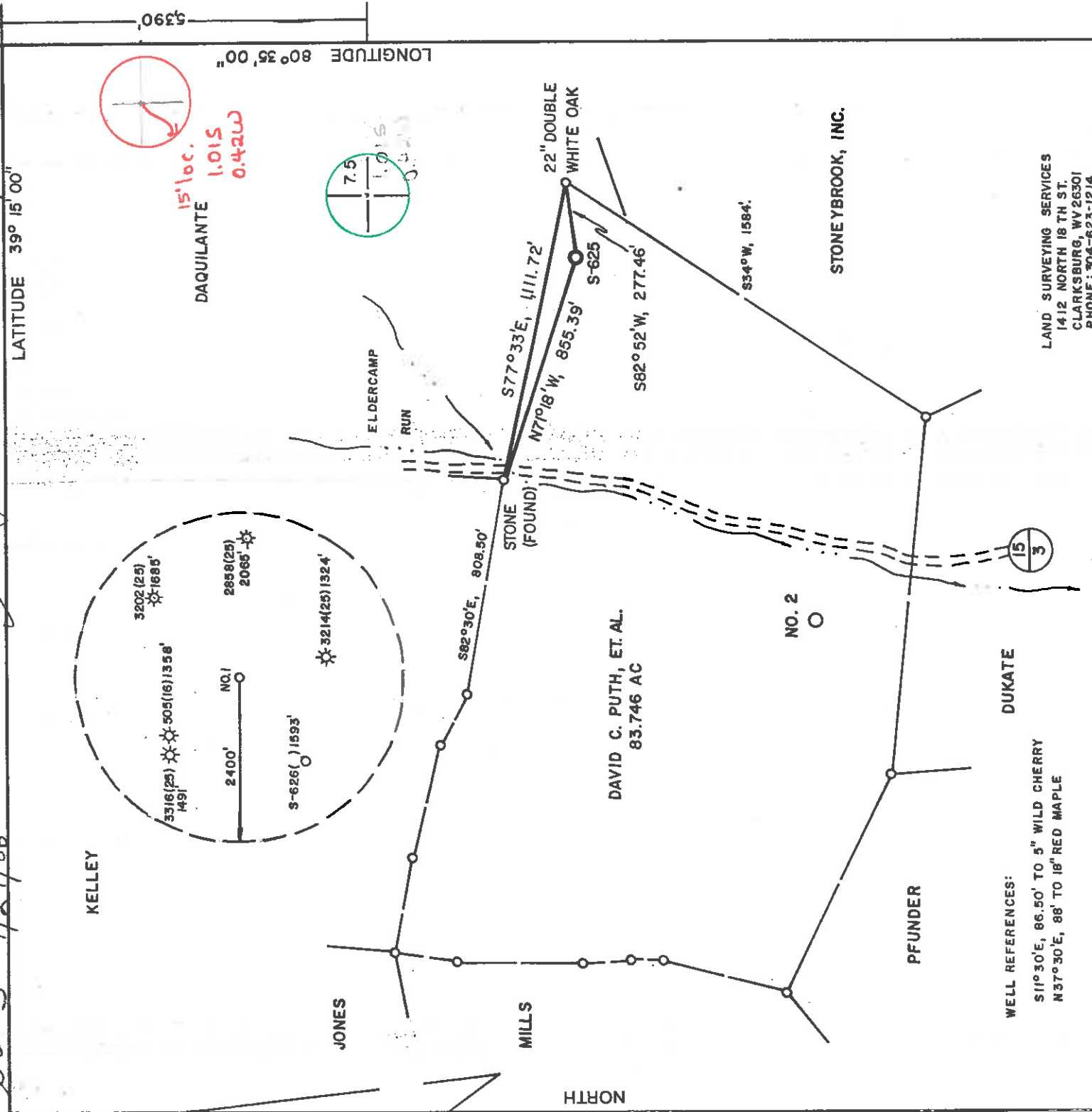


85-D 7/29/86

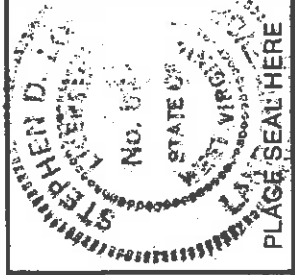


LAND SURVEYING SERVICES  
 1412 NORTH 18 TH ST.  
 CLARKSBURG, WV 26301  
 PHONE: 304-623-1214

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

FILE NO. \_\_\_\_\_  
 DRAWING NO. \_\_\_\_\_  
 SCALE 1" = 500'  
 MINIMUM DEGREE OF ACCURACY 1 IN 200  
 PROVEN SOURCE OF ELEVATION ROAD INT. 1840' S.W. OF LOC. AT ELEV. 918'

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.I.S. NO. 674  
 \_\_\_\_\_ STEPHEN D. LOSH



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

DATE JULY 23, 19 86  
 OPERATOR'S WELL NO. S-625  
 API WELL NO. \_\_\_\_\_  
47-017-3509 STATE COUNTY PERMIT

WELL TYPE: OIL  GAS  LIQUID INJECTION  WASTE DISPOSAL   
 (IF "GAS") PRODUCTION  STORAGE  DEEP  SHALLOW   
 LOCATION: ELEVATION 1186' WATER SHED ELDERCAMP RUN  
 DISTRICT GREENBRIER COUNTY DODDRIDGE  
 QUADRANGLE BIG ISAAC 352 VADIS NC. 2  
 SURFACE OWNER DAVID C. PUTH, ET AL. ACREAGE 83.746  
 OIL & GAS ROYALTY OWNER PENNZOIL - WHITE LEASE ACREAGE 83.746

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, ALEXANDER ESTIMATED DEPTH 5700'  
 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

6-6 Zinnia (145)

**AUG 18 1986**



WV-35  
rev 8-81)

Date October 24, 1986  
Operator's Well No. S-625  
Farm David Puth #1  
API No. 47 - 017 - 3509

State of West Virginia  
Department of Mines  
Oil and Gas Division

WELL OPERATOR'S REPORT  
OF

DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

WELL TYPE: Oil / Gas / Liquid Injection / Waste Disposal /  
(If "Gas," Production / Underground Storage / Deep / Shallow /)

LOCATION: Elevation: 1186 Watershed Eldercamp Run  
District: Greenbrier County Doddridge Quadrangle Big Isaac 7.5

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 Catherine A. Smith & David Puth  
ADDRESS 8611 Brandt Place, Bethesda, Md  
MINERAL RIGHTS OWNER Pennzoil Co.  
ADDRESS P. O. Box 1588, Parkersburg, WV  
OIL AND GAS INSPECTOR FOR THIS WORK Mike  
Underwood ADDRESS Rt. 2, Salem, WV  
PERMIT ISSUED August 13, 1986  
DRILLING COMMENCED September 22, 1986  
DRILLING COMPLETED September 27, 1986  
IF APPLICABLE: PLUGGING OF DRY HOLE ON  
CONTINUOUS PROGRESSION FROM DRILLING OR  
REWORKING. VERBAL PERMISSION OBTAINED  
ON

Casing Tubing Size	Used in Drilling	Left in Well	Cement fill up Cu. ft.
20-16 Cond.	30'		
13-10"			
9 5/8			
8 5/8		970	to surface
7			
5 1/2			
4 1/2		5580	160 sks
3			
2			
Liners used			

GEOLOGICAL TARGET FORMATION Benson, Alexander Depth 5700 feet  
Depth of completed well 5616 feet Rotary x / Cable Tools  
Water strata depth: Fresh 135,348 feet; Salt  
Coal seam depths: 345 Is coal being mined in the area? no

OPEN FLOW DATA

Producing formation Benson, Alexander Pay zone depth 5123/5457 feet  
Gas: Initial open flow \_\_\_\_\_ Mcf/d Oil: Initial open flow \_\_\_\_\_ Bbl/d  
Final open flow 300 Mcf/d Final open flow \_\_\_\_\_ Bbl/d  
Time of open flow between initial and final tests \_\_\_\_\_ hours  
Static rock pressure 1775 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 NOV 03 1986 hours  
Static rock pressure \_\_\_\_\_ psig (surface measurement) after \_\_\_\_\_ hours shut in

(Continue on reverse side)

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

<u>Alexander</u>	<u>5451-5471</u>	Sand 80/100 20/40	100 sks 300 sks
<u>Benson</u>	<u>5118-5124</u>	Sand 80/100 20/40	100 sks 400 sks

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS
Fill			0	5	Including indication of all fr and salt water, coal, oil and
Shale			5	35	
Sand			35	50	
Sand/Shale			50	345	
Coal			345	350	
Sand & Shale			350	411	
Red Rock			411	561	
Sand & Shale			561	1024	
Sand & Shale			1024	1221	
Red Rock			1221	1350	
Sand & Shale			1350	1600	
Sand			1600	2185	
Sand & Shale			2185	2344	
Red Rock & Shale			2344	2400	
Big Lime			2400	2497	
Sand & Shale			2497	5005	
Lime			5005	5045	
Sand & Shale			5045	5165	
Sand			5165	5616 TO	
Sand & Shale			5165		
Gamma Ray ✓			2172	2330	
Big Lime/Big Injun			2828	2845	
GordonStray			2907	2957	
Gordon			5123	5138	
Benson			5457	5508	
Alexander ✓					

(Attach separate sheets as necessary)

Scott Oil Company  
Well Operator David Wright  
By: \_\_\_\_\_  
Date: 10/24/86

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  
minerals, encountered in the drilling of a well."



**RECEIVED**  
JUL 28 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  Undergrnd storage  Deep  Shallow   
Elevation: 1186 Watershed: Eldercamp Run  
District: Greenbrier County: Doddridge Quadrangle: Big Isaac 2572  
6) WELL OPERATOR: Scott Oil Co. CODE: 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

10) PROPOSED WELL WORK: Drill  deeper  Redrill  Stimulate   
Plug off old formation  Perforate new formation   
Other physical change in well (specify): Benson-Alexander

11) GEOLOGICAL TARGET FORMATION, Benson-Alexander  
12) Estimated depth of completed well, 5700 feet  
13) Approximate true depths: Fresh, 487 feet; salt, 817 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	For drilling	Left in well		
Conductor	11 3/4		30'			
Fresh water						
Coal						
Intermediate	8 5/8			950	to surface	Sizes Per Luk 15.05
Production	4 1/2			5250	500 sks	Depths set OR AS REQUIRED BY
Tubing					Luke 15.01	Perforations:
Line						Top Bottom

OFFICE USE ONLY  
DRILLING PERMIT

Permit number 47-017-3509 Date August 13, 1986

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

Bond:	Agent: RLB	Plat: AS	Casing: AS	Fee: 630	WPCP: AS	S&E: AS	Other: AS
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NOTE: Keep one copy of this permit posted at the drilling location.  
Director, Division of Oil and Gas  
See the reverse side of the APPLICANT'S COPY for instructions to the well operator.

