



LATITUDE 39°15'00" 3810'

LONGITUDE 80°35'00" 11,650'

2.20S  
0.71W

WELL REFERENCES:  
 N5°E, 70' TO 6" W. OAK  
 N29°E, 98' TO 4" SUGAR

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 RD. INTER. 400' S.E.  
 OF LOCATION ELEV.- 974'

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) \_\_\_\_\_  
 R.P.E. \_\_\_\_\_ L.L.S. 674  
 STEPHEN D. LOSH

PLACE SEAL HERE

STATE OF WEST VIRGINIA  
 DEPARTMENT OF MINES  
 OIL AND GAS DIVISION



DATE JUNE 02 19 85  
 OPERATOR'S WELL NO. S-522  
 API WELL NO. COTTILL NO. 3  
 47 - 017 - 3448  
 STATE COUNTY PERMIT

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

LOCATION: ELEVATION 1060' WATERSHED INDIAN FORK  
 DISTRICT GREENBRIER COUNTY DODDRIDGE  
 QUADRANGLE BIG ISAAC 75 min. 252 VADIX 123 NC 2

SURFACE OWNER JESSIE B. KNIGHT, HEIRS ACREAGE 17.23  
 OIL & GAS ROYALTY OWNER PAULINE COTTILL LEASE ACREAGE 18  
 LEASE NO. \_\_\_\_\_

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 ALEXANDER, BENSON ESTIMATED DEPTH 5350' 6-6 Meathouse Fork - Bristol (196)  
 WELL OPERATOR SCOTT OIL COMPANY 774 DESIGNATED AGENT DARREL WRIGHT  
 ADDRESS P.O. BOX 112 SALEM, WV 26426 ADDRESS P.O. BOX 112 SALEM, WV 26426

JUL 15 1985

COUNTY NAME PERMIT

FORM IV-6-8 (76)

# RECEIVED

IV-35  
Rev 8-81  
OCT 28 1985DIVISION OF OIL & GAS  
DEPT. OF ENERGYState of West Virginia  
Department of Mines  
Oil and Gas DivisionDate October 14, 1985  
Operator's  
Well No. S-583  
Farm Pauline Cottrill #3  
API No. 47 - 017 - 3448WELL OPERATOR'S REPORT  
OF  
DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGEWELL TYPE: Oil \_\_\_ / Gas x / Liquid Injection \_\_\_ / Waste Disposal \_\_\_ /  
(If "Gas," Production x / Underground Storage \_\_\_ / Deep \_\_\_ / Shallow \_\_\_ /)LOCATION: Elevation: 1060 Watershed Indian Fork  
District: Greenbrier County Doddridge Quadrangle Big IsaacCOMPANY Scott Oil CompanyADDRESS P. O. Box 112, Salem, WV 26426DESIGNATED AGENT Darrel WrightADDRESS P. O. Box 112, Salem, WV 26426SURFACE OWNER Opal Knight et alADDRESS Route 1, Salem, WVMINERAL RIGHTS OWNER Pauline CottrillADDRESS Salem, WV 26426OIL AND GAS INSPECTOR FOR THIS WORK MikeUnderwood ADDRESS Rt. 2, Salem, WVPERMIT ISSUED July 8, 1985DRILLING COMMENCED 9/24/85DRILLING COMPLETED 9/30/85IF 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		842	to surface
7			
5 1/2			
4 1/2		5392	720 sks
3			
2			
Liners used			

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

Depth of completed well 5463 feet Rotary \_\_\_ / Cable Tools \_\_\_\_\_Water strata depth: Fresh 52,128 feet; Salt \_\_\_\_\_ feetCoal seam depths: 436-440 Is coal being mined in the area? no

## OPEN FLOW DATA

Producing formation Benson, Alexander, Bradford Pay zone depth \_\_\_\_\_ feet

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

Final open flow 852 Mcf/d Final open flow \_\_\_\_\_ Bbl/dTime of open flow between initial and final tests 4 hoursStatic rock pressure 1700 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 NOV 12 1985

Static rock pressure \_\_\_\_\_ psig (surface measurement) after \_\_\_\_\_ hours shut in

(Continue on reverse side)

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

Alexander	<u>5295-5320</u>	Sand 20/40 80/100	42,000# 8,000#	600 Bbl H <sub>2</sub> O
Benson	<u>4968-4976</u>	Sand 20/40 80/100	45,000# 8,000#	603 Bbl H <sub>2</sub> O
Bradford	<u>4458-4463</u>	Sand 20/40	25,000#	

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all f and salt water, coal, oil and
Fill			0	8	
Sand & Shale			8	357	
Red Rock			357	418	
Sand			418	436	
Coal			436	440	
Sand			440	510	
Sand & Shale			510	1080	
Sand			1080	1270	
Sand & Shale			1270	1394	
Sand			1394	1396	
Sand & Shale			1396	2004	
Lime			2004	2022	
Shale			2022	2040	
Big Lime			2040	2120	
Injun			2120	2190	
Sand & Shale			2190	2674	
Sand			2674	2689	
Sand & Shale			2689	3121	
Sand			3121	3363	
Sand & Shale			3363	3380	
Sand			3380	3412	
Sand & Shale			3412	5293	
Sand			5293	5320	
Sand & Shale			5320	5463	TD. Alexander
Gamma Ray Log ✓					
Big Lime			2044	2116	
Big Injun			2116	2192	
Gordon			2674	2810	
5th Sand			2900	2905	
Bradford			4456	4488	
Benson			4966	4978	
Alexander			5294	5322	

(Attach separate sheets as necessary)

Scott Oil Company  
Well Operator  
By: Daniel Wright  
Date: 10/14/85

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 ... encountered in the drilling of a well."



1) Date: \_\_\_\_\_, 19\_\_\_\_  
 2) Operator's Well No. S-583 Pauline Cottrill #3  
 3) API Well No. 47 State -017-3448 County \_\_\_\_\_ Permit \_\_\_\_\_

**RECEIVED**

JUN 13 1985

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

- OIL & GAS DIVISION**  
**DEPT. OF MINES**
- 4) WELL TYPE: A Oil  / Gas   
 B (If Gas Production  / Underground storage \_\_\_\_\_ / Deep \_\_\_\_\_ / Shallow \_\_\_\_\_)
- 5) LOCATION: Elevation: 1060 Watershed: Indian Fork  
 District: Greenbrier County: Doddridge Quadrangle: Big Isaac
- 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 Salem, WV 26426 *44315*
- 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  / Drill deeper \_\_\_\_\_ / Redrill \_\_\_\_\_ / Stimulate   
 Plug off old formation \_\_\_\_\_ / Perforate new formation \_\_\_\_\_  
 Other physical change in well (specify) \_\_\_\_\_
- 11) GEOLOGICAL TARGET FORMATION, Alexander, Benson (439)
- 12) Estimated depth of completed well, 5350 feet  
 13) Approximate traat 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	For drilling	Left in well		
Conductor	11 3/4					120-200'	200'	CTS by rule 15.05	
Fresh water									
Coal									Sizes
Intermediate	8 5/8						1450	to surface	
Production	4 1/2						5400	300 sks	Depths set
Tubing									
Liners									Perforations: Top _____ Bottom _____

OFFICE USE ONLY  
**DRILLING PERMIT**

Permit number 47-017-3448 Date July 8 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 July 8, 1987 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond:	Agent:	Plat:	Casing	Fee
137	ATB	MW	MW	156

*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