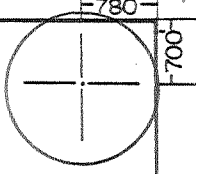


6-11-85

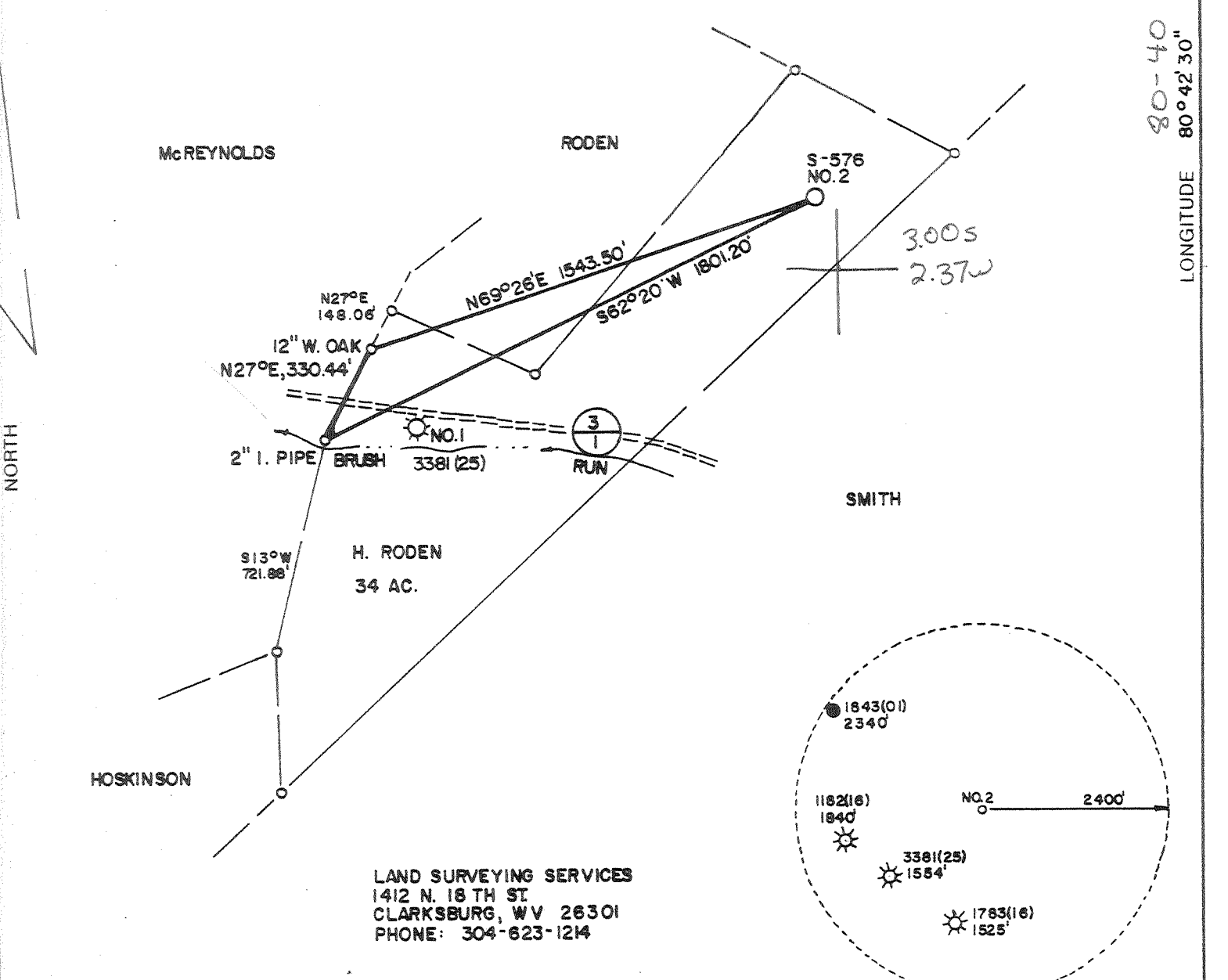
CODE \_\_\_\_\_ PLOT A

LATITUDE 39°22'30"  
39-25  
0.12s  
0.14w



WELL REFERENCES:  
N46°30'E, 178' TO 6" W.OAK  
S55°30'W, 140.50' TO 8" HICK.

McREYNOLDS



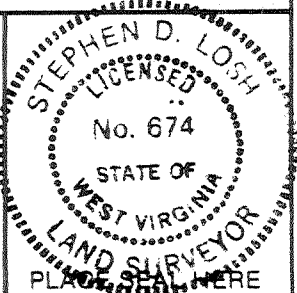
LONGITUDE 80°40' 80°42'30"

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" = 500'  
MINIMUM DEGREE OF ACCURACY 1 in 200  
PROVEN SOURCE OF ELEVATION TOP OF KNOB 4400 S.W. OF LOCATION ELEV. - 1217'

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 MAY 05, 19 85  
OPERATOR'S WELL NO. S-576  
API WELL NO. RODEN NO. 2  
47 - 017 - 3440  
STATE COUNTY PERMIT

WELL TYPE: OIL \_\_\_ GAS X LIQUID INJECTION \_\_\_ WASTE DISPOSAL \_\_\_  
(IF "GAS,") PRODUCTION \_\_\_ STORAGE \_\_\_ DEEP \_\_\_ SHALLOW X  
LOCATION: ELEVATION 927 WATERSHED BRUSH RUN  
DISTRICT GRANT 3 COUNTY DODDRIDGE  
QUADRANGLE SMITHBURG, 75 min. 611 Centerpoint 022 WC4  
SURFACE OWNER JAMES LEWIS ACREAGE 460  
OIL & GAS ROYALTY OWNER HARRY RODEN LEASE ACREAGE 34  
LEASE NO. 1722  
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 5200'  
WELL OPERATOR JAMES F. SWETT DESIGNATED AGENT DARREL WRIGHT  
ADDRESS P.O. BOX 112 806 SALEM, WV 26426 ADDRESS P.O. BOX 112 SALEM, WV 26426

JUN 24 1985

6-6 Smithton-Flint-Sedalia (99)

NORTH

FORM IV-6 (6-76)

H.T. HALL

COUNTY NAME

PERMIT



State of West Virginia  
Department of Mines  
Oil and Gas Division

Date August 7, 1985  
Operator's  
Well No. S-576  
Farm Harry Roden #2  
API No. 47 - 017 - 3440

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: 927 Watershed Brush Run  
District: Grant County Doddridge Quadrangle Smithburg

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 James Lewis

ADDRESS Paris, Virginia 22130

MINERAL RIGHTS OWNER Harry Roden

ADDRESS \_\_\_\_\_

OIL AND GAS INSPECTOR FOR THIS WORK Mike

Underwood ADDRESS Rt. 2, Salem

PERMIT ISSUED 6/13/85

DRILLING COMMENCED 7/16/85

DRILLING COMPLETED 7/22/85

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		1357	to surface
7			
5 1/2			
4 1/2		5131	100 sks
3			
2			
Liners used			

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

Depth of completed well 5179 feet Rotary \_\_\_ / Cable Tools \_\_\_\_\_

Water strata depth: Fresh 250,380 feet; Salt 1570 feet

Coal seam depths: 139-143, 371-373 Is coal being mined in the area? no

OPEN FLOW DATA

Producing formation Benson Pay zone depth 5032-5036 feet

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

Final open flow 343 Mcf/d Final open flow \_\_\_\_\_ Bbl/d

Time of open flow between initial and final tests 4 hours

Static rock pressure 1350 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

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

Benson

5032-5036

Sand 20/40 50,000#  
80/100 10,000#

690 bbl H<sub>2</sub>O

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS
					Including indication of all fr and salt water, coal, oil and
Red Rock			0	9	
Sand & Shale			9	15	
Red Rock			15	20	
Sand			20	25	
Sand & Shale			25	139	
Coal			139	143	
Sand & Shale			143	272	
Sand			272	290	
Sand & Shale			290	330	
Sand			330	317	
Coal			371	373	
Sand & Shale			373	545	
Red Rock & Shale			545	620	
Sand			620	655	
Red Rock & Shale			655	680	
Sand & Shale			680	760	
Red Rock & Shale			760	1350	
Sand & Shale			1350	1442	Gamma Ray Tops ✓
Sand			1442	1500	
Shale			1500	1562	Little Lime 1865
Sand			1562	1588	Big Lime 1925
Shale			1588	1810	Gordon 2670
Sand & Red Rock			1810	1870	Benson 5023
Lime			1870	1883	
Sand & Shale			1883	1895	Top Extension 2525'
Lime			1895	1980	
Sand			1980	2120	
Sand & Shale			2120	2278	
Sand			2278	2310	
Sand & Shale			2310	2675	
Sand			2675	2712	
Shale			2712	5030	
Sand Benson @ TD			5030	5060	
Shale			5060	5179TD	

(Attach separate sheets as necessary)

Scott Oil Company

Well Operator

By:

*David Wright*

Date:

August 7, 1985

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 coal, encountered in the drilling of a well."

**RECEIVED**

MAY 28 1985



1) Date: \_\_\_\_\_, 19\_\_\_\_  
 2) Operator's Well No. S-576 Roden #2  
 3) API Well No. 47 State -017-3440 County \_\_\_\_\_ Permit 3240

STATE OF WEST VIRGINIA  
 DEPARTMENT OF MINES, OIL AND GAS DIVISION

OIL & GAS DIVISION APPLICATION FOR A WELL WORK PERMIT

- 4) WELL TYPE: DEPT. OF MINES X /  
 B (If "Gas", Production X / Underground storage \_\_\_\_\_ / Deep \_\_\_\_\_ / Shallow \_\_\_\_\_ /)
- 5) LOCATION: Elevation: 927 Watershed: Brush Run  
 District: Grant County: Doddridge Quadrangle: Smithburg
- 6) WELL OPERATOR: James F. Scott 7) DESIGNATED AGENT: Darrel Wright  
 Address: P. O. Box 112 44313 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 X / Drill deeper \_\_\_\_\_ / Redrill \_\_\_\_\_ / Stimulate X /  
 Plug off old formation \_\_\_\_\_ / Perforate new formation \_\_\_\_\_ /  
 Other physical change in well (specify) \_\_\_\_\_
- 11) GEOLOGICAL TARGET FORMATION: Benson  
 12) Estimated depth of completed well, 5200 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		
Conductor	11 3/4					150' <del>20'</del> 150'	CTS by rule 15.05
Fresh water							
Coal							Sizes
Intermediate	8 5/8					1350	to surface
Production	4 1/2					5100	300 sks on set required by rule 15.01
Tubing							Perforations:
Liners							Top Bottom

OFFICE USE ONLY  
 DRILLING PERMIT

Permit number 47-017-3440 Date June 13 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 13, 1987 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond:	Agent:	Plat:	Casing	Fee
137	A113	MUMM	131	

*Margaret J. Hesse*  
 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