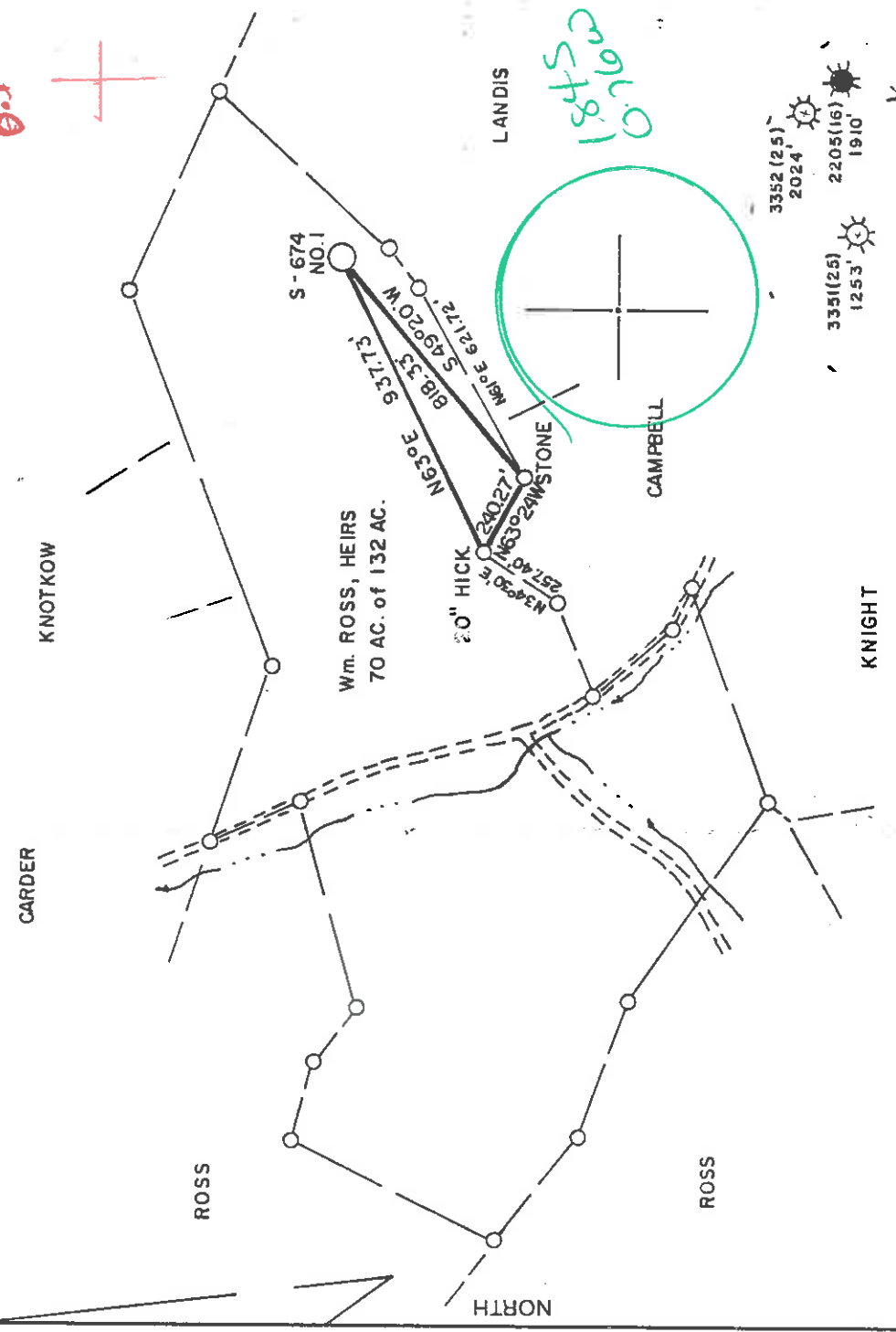


82B 7/1/87

WELL REFERENCES:
N32°30'E, 148' TO 14" W. OAK
S02°30'E, 123' TO 6" HICKORY

LATITUDE 39°15'00"

LONGITUDE 80°35'00"

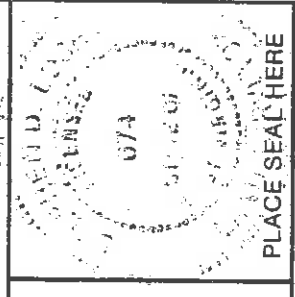


LAND SURVEYING SERVICES
21 CEDAR LANE
BRIDGEPORT, WV 26330
PHONE: 304-842-2018

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

FILE NO. _____
DRAWING NO. _____
SCALE 1" = 500'
MINIMUM DEGREE OF ACCURACY 1 in 200
PROVEN SOURCE OF ELEVATION RD. INTER. 1475' S.W. OF LOCATION ELEV. 913'

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
OIL AND GAS DIVISION



DATE JUNE 17, 19 87
OPERATOR'S WELL NO. S-674
API WELL NO. ROSS NO. 1
47-017-3567
STATE COUNTY PERMIT

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
(IF "GAS,") PRODUCTION X STORAGE DEEP SHALLOW X
LOCATION: ELEVATION 1202 WATER SHED INDIAN FORK
DISTRICT GREENBRIER COUNTY DODDRIDGE
QUADRANGLE BIG ISAAC 7.5 min. 252 1232 Vedis NC
SURFACE OWNER VIRGINIA JANISZEWSKI ARCHIE FRYE ACREAGE 64
OIL & GAS ROYALTY OWNER WILLIAM ROSS, HEIRS LEASE ACREAGE 132
LEASE NO. 2030

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 5600'
WELL OPERATOR SCOTT OIL COMPANY 774 DESIGNATED AGENT DARREL WRIGHT
ADDRESS P.O. BOX 112 ADDRESS P.O. BOX 112
SALEM, WV 26426 SALEM, WV 26426

PERMIT
JUL 20 1987

6-6 Meathouse Fork-Bristol (146)



RECEIVED
OCT 16 1987

State of West Virginia

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

DEPARTMENT OF ENERGY
Oil and Gas Division

WELL OPERATOR'S REPORT
OF

Date September 22, 1987
Operator's Well No. S-674
Farm William Ross #1
API No. 47-017 - 3567

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: 1202 Watershed Indian Fork
District: Greenbrier County Doddridge Quadrangle Big Isaac

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 Archie Fry
ADDRESS Dayton, Ohio

MINERAL RIGHTS OWNER William Ross Heirs
ADDRESS _____

OIL AND GAS INSPECTOR FOR THIS WORK Mike Underwood
ADDRESS Rt. 2, Salem, WV

PERMIT ISSUED July 16, 1987

DRILLING COMMENCED 8/31/87

DRILLING COMPLETED 9/4/87

IF APPLICABLE: PLUGGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED _____

Casing Tubing Size	Used in Drilling in Well	Left in Well	Cement fill up Cu. ft.
20-16 Cond.			
13-10"	30'		
9 5/8			
8 5/8		1267	to surface
7			
5 1/2			
4 1/2		5619	525 sks
3			
2			
Liners used			

GEOLOGICAL TARGET FORMATION

Depth of completed well 5711 feet Rotary / Cable Tools _____ feet
Water strata depth: Fresh 130 feet; Salt _____ feet
Coal seam depths: 856-860 Is coal being mined in the area? no

OPEN FLOW DATA

Producing formation Benson, Alexander Pay zone depth _____ feet
Gas: Initial open flow _____ Mcf/d Oil: Initial open flow _____ Bbl/d
Final open flow 411 Mcf/d Final open flow _____ Bbl/d
Time of open flow between initial and final tests _____ hours
Static rock pressure 1800 psig (surface measurement) after _____ 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

(Continue on reverse side)

OCT 26 1987

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

Alexander 5466-5490 Sand 80/100 50 sks, 20/40 400 sks
Benson 5136-5144 Sand 80/100 50 sks, 20/40 500 sks

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 OCT 16 1987

WELL LOG
 DIVISION OF OIL & GAS
 DEPARTMENT OF ENERGY

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fre and salt water, coal, oil and g
Fill			0	10	
Sand & Shale			10	120	
Coal			120	121	
Red Rock & Shale			121	856	
Coal			856	860	
Sand & Shale			860	2188	
Lime			2188	2240	
Sand			2240	2330	
Sand & Shale			2330	2837	
Sand			2837	2852	
Sand & Shale			2852	2917	
Sand			2917	2962	
Sand & Shale			2962	5134	
Sand			5134	5148	
Sand & Shale			5148	5465	
Sand			5465	5516	
Sand & Shale			5516	5711 TD	
Gamma Ray ✓					
Big Lime			2188	2240	
Big Injun			2240	2330	
Gordon Stry			2837	2852	
Gordon			2917	2962	
Benson			5134	5148	
✓Alexander			5465	5516	

(Attach separate sheets as necessary)

Scott Oil Company

Well Operator

By: David Wright

Date: September 22, 1987

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
 all, encountered in the drilling of a well."



RECEIVED JUN 29 1987

1) Operator's Well No. William Ross #1 S-674
2) API Well No. 47-017-3567
3) State County Permit

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
5) LOCATION: Elevation: 1202 Watershed: Indian Fork
District: Greenbrier County: Doddridge-017 Quadrangle: Big Isaac 252
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

9) DRILLING CONTRACTOR:
Name: _____ Address: _____
10) PROPOSED WELL WORK: Drill deeper Redrill Stimulate
Plug off old formation Perforate new formation

11) GEOLOGICAL TARGET FORMATION, Alexander/Benson
12) Estimated depth of completed well, 5600 feet
13) Approximate trata depths: Fresh, _____ feet; salt, _____ feet.
14) Approximate coal seam depths: _____ feet. 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			
Conductor	11 3/4		For drilling 300 Left in well 300		Kinds
Fresh water					Sizes
Coal					Depths set
Intermediate	8 5/8		1100	to surface	Perforations:
Production	4 1/2		5600	400 sks	Top
Tubing					Bottom
Liners					

OFFICE USE ONLY
DRILLING PERMIT

Permit number 47-017-3567 Date July 16, 1987

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 16, 1989 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond:	Agent:	Fee	Other
		214	S&E
		1000	

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. File

