



1983

9
v 8-81)

DATE July 10, 1983

WELL NO. SW-480 MCGRAW
API NO. 047 - 081 - 0635

State of West Virginia
Department of Mines
Oil and Gas Division

CONSTRUCTION AND RECLAMATION PLAN

OWNER NAME JAMES F. SCOTT
Address P.O. Box 112 SALEM, WV
Telephone 623-9600

DESIGNATED AGENT DARREL WRIGHT
Address P.O. Box 112 SALEM, WV
Telephone 623-9600

OWNER PAUL MCGRAW
Vegetation to be carried out by GREENBRIER HYDROSEEDING (Agent)

SOIL CONS. DISTRICT SOUTHERN

This plan has been reviewed by Southern SCD. All corrections
additions become a part of this plan: 7/27/83 (Date)

Gary W. Boschain
(SCD Agent)

ACCESS ROAD

Structure ROAD CULVERT (A)
Sizing 15" x 30' (ACCORDING TO MANUAL)
Ref. Manual 2-7, 2-8

LOCATION
Structure LOCATION PAD (1)
Material EARTHEN
Page Ref. Manual N/A

Structure ROAD CROSS DRAINS (B)
Sizing 400' of < 5% slope (135' to 250' spacing AS NECESSARY)
Ref. Manual 2-1, 2-2, 2-3, 2-4

Structure DRILL PIT (2)
Material EARTHEN
Page Ref. Manual N/A

Structure _____ (C)
Ref. Manual _____

Structure _____ (3)
Material _____
Page Ref. Manual _____

All structures should be inspected regularly and repaired if necessary. All commercial timber is to be cut and stacked and all brush and small timber to be removed from the site before dirt work begins.

REVEGETATION

Treatment Area I

2 Tons/acre
Correct to pH 6.5 Lime According to PH TEST
Fertilizer 600 lbs/acre (10-20-20 or equivalent)
HAY 2 Tons/acre
ORCHARD GRASS 12 lbs/acre
Red Clover 3 lbs/acre
_____ lbs/acre

Treatment Area II

2 Tons/acre
Lime _____ or correct to pH 6.5 Lime According to PH TEST
Fertilizer 600 lbs/acre (10-20-20 or equivalent)
Mulch HAY 2 Tons/acre
Seed* ORCHARD GRASS 12 lbs/acre
Red Clover 3 lbs/acre
_____ lbs/acre

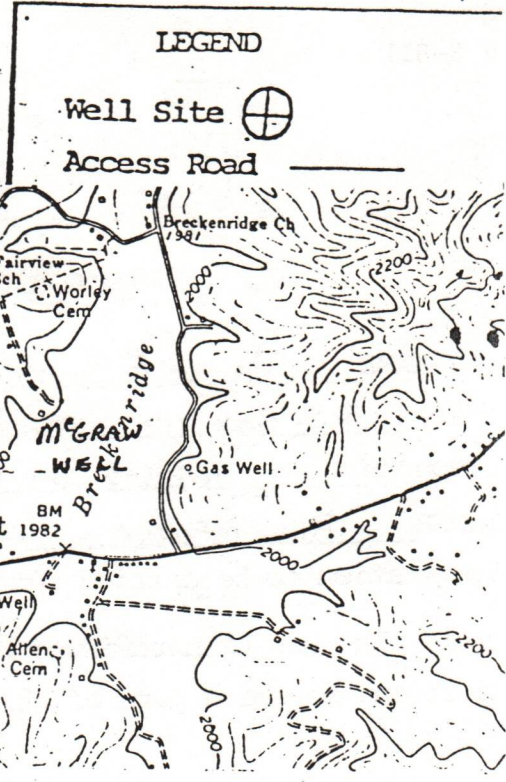
ulate all legumes such as vetch, trefoil and clovers with the proper bacterium. e with 3X recommended amount.

PLAN PREPARED BY BRAD THOMAS

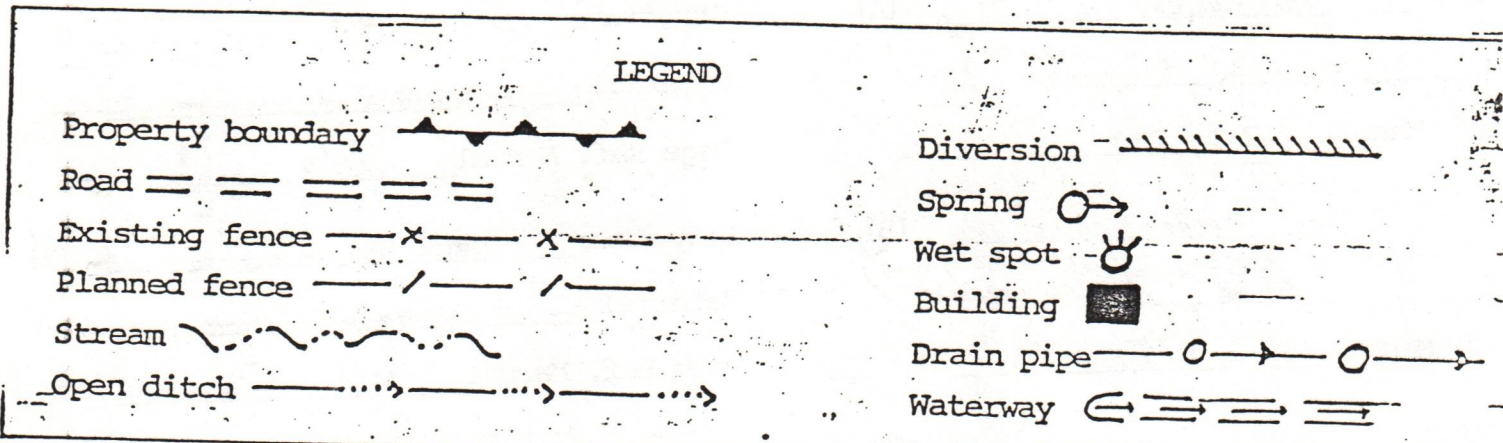
ADDRESS P.O. Box 112 SALEM WV 26426

Please request landowners' operation to protect new planting for one growing season. with separate sheets as necessary for complete

ATTACH OR PHOTOCOPY SECTION OF INVOLVED TOPOGRAPHIC MAP. QUADRANGLE ARNETT 7 1/2 QUAD



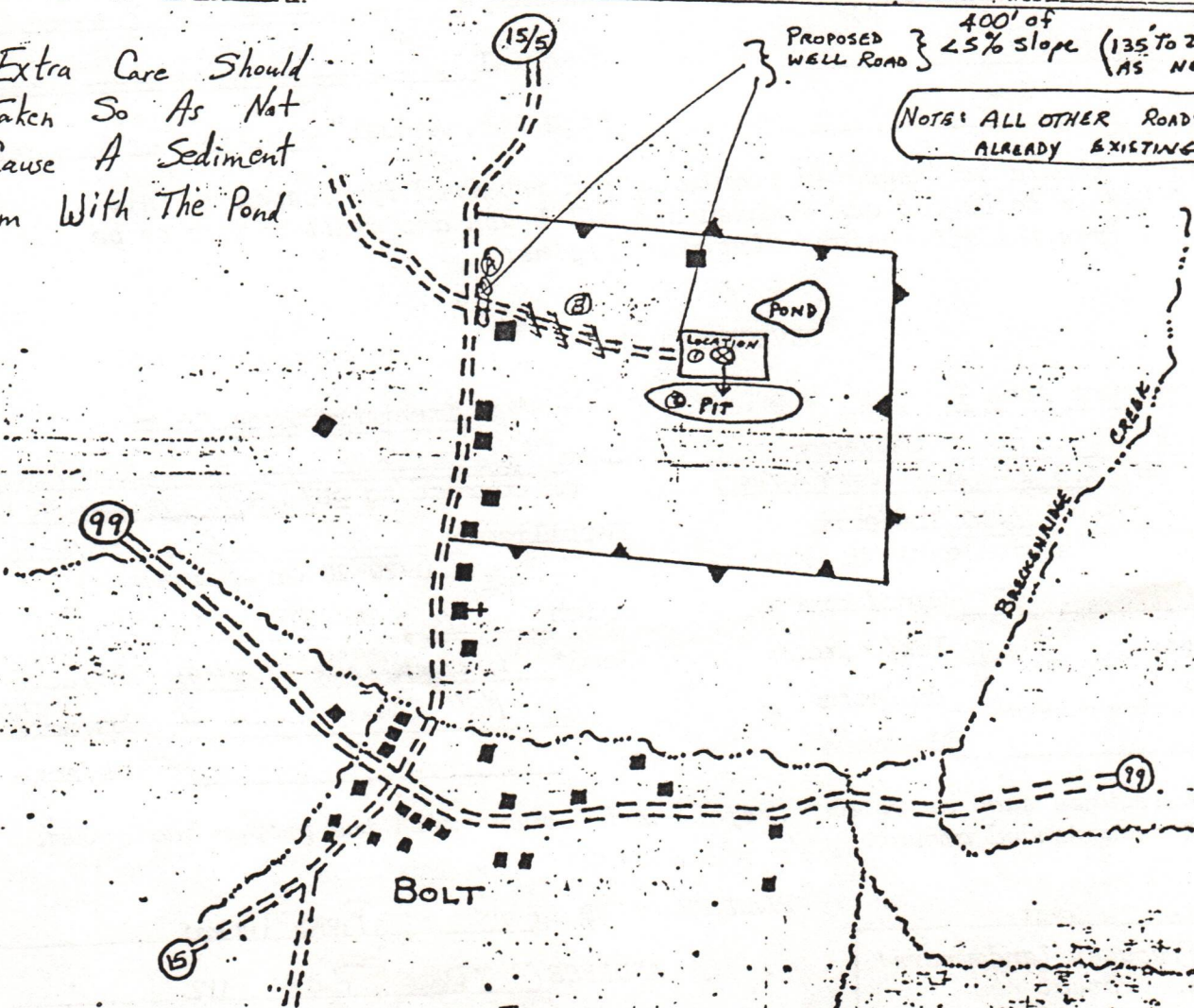
Sketch to include well location, existing access road, roads to be constructed, well drilling pits and necessary structures numbered or lettered to correspond with the part of this plan. Include all natural drainage.



Note: Extra Care Should Be Taken So As Not To Cause A Sediment Problem With The Pond

PROPOSED WELL ROAD } 400' of 4.5% slope (135' to 250' SPACING AS NEEDED)

NOTE: ALL OTHER ROADS ARE ALREADY EXISTING





IV-35
(Rev 8-81)

Date November 21, 1983
Operator's
Well No. S-480 Paul McGraw
Farm Paul McGraw
API No. 47 - 081 - 0635 F

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JUL 26 1985

State of West Virginia
Department of Mines
Oil and Gas Division

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

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: 2018 Watershed Breckenridge Creek
District: Trap Hill County Raleigh Quadrangle Arnett

COMPANY James F. Scott
ADDRESS P. O. Box 112, Salem, WV 26426
DESIGNATED AGENT Darrel Wright
ADDRESS P. O. Box 112, Salem, WV 26426
SURFACE OWNER Paul McGraw
ADDRESS P. O. Box 101, Bolt, WV 25817
MINERAL RIGHTS OWNER Paul McGraw
ADDRESS P. O. Box 101, Bolt, WV 25817
OIL AND GAS INSPECTOR FOR THIS WORK Craig Duckworth
ADDRESS Mt. Lookout, WV 26678
PERMIT ISSUED August 24, 1983
DRILLING COMMENCED 9/15/83
DRILLING COMPLETED 9/23/83

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.	25'		
13-10"		307'	to surface
9 5/8			
8 5/8		1197	to surface
7			
5 1/2			
4 1/2		3226	100 sks
3			
2			
Liners used			

GEOLOGICAL TARGET FORMATION Weir Depth feet
Depth of completed well 3300 feet Rotary x / Cable Tools
Water strata depth: Fresh 250' feet; Salt feet
Coal seam depths: 10-11, 747-750, 930-932 Is coal being mined in the area? no
955-958

OPEN FLOW DATA

Producing formation Weir Pay zone depth 3111-3140 feet
Gas: Initial open flow Mcf/d Oil: Initial open flow Bbl/d
Final open flow 609 Mcf/d Final open flow Bbl/d

Time of open flow between initial and final tests 4 hours

Static rock pressure 800 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

(Continue on reverse side)

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

Weir Perfs: 3111-3140 Sand 20/50 60,000# 255 BBls H₂O (Foam)

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS
					Including indication of all fractures and salt water, coal, oil and gas
Soil			0	10	
Coal			10	11	
Shale			11	135	
Sandstone			135	194	
Shale			194	320	1 1/2" stream H ₂ O @ 250'
Sandstone			320	432	
Shale			432	450	
Sandstone			450	747	
Coal			747	750	
Sandstone			750	926	
Shale			926	930	
Coal			930	932	
Shale			932	955	
Coal			955	958	
Shale			958	960	
Sandstone			960	1280	
Shale			1280	1309	
Sandstone			1309	1480	
Shale			1480	1517	
Sandstone			1517	1600	
Lime			1600	1640	
Shale			1640	1695	
Sandstone			1695	2148	
Shale			2148	2168	
Sandstone			2168	2189	
Shale			2189	2230	
Sandstone			2230	2417	
Lime			2417	2485	
Shale			2485	2510	
Limestone			2510	2970	
Sandstone			2970	3075	
Shale			3075	3090	
Sandstone			3090	3174	
Shale			3174	3300	
Gamma Ray Log Tops					
Princeton Sand		1422-1470			
Ravencliff		1550-1600			
Avis Lime		1600-1634			
Maxton		2070-2140			
Little Lime		2381-2445			
Big Lime		2507-2960			
Weir		3087-3143			

(Attach separate sheets as necessary)

James F. Scott
Well Operator

By: James F. Scott
Date: 11/21/83

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."

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

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SEP 24 1985

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

INSPECTOR'S WELL REPORT

Permit No. 081-0635 FRAC

Oil or Gas Well 945
(KIND)

Company <u>Scott Oil</u> Address <u>Salem, WV</u> Farm <u>McGraw</u> Well No. <u>S-480</u> District <u>Teap Hill</u> County <u>Raleigh</u> Drilling commenced _____ Drilling completed _____ Total depth _____ Date shot _____ Depth of shot _____ Initial open flow _____ /10ths Water in _____ Inch Open flow after tubing _____ /10ths Merc. in _____ Inch Volume _____ Cu. Ft. Rock pressure _____ lbs. _____ hrs. Oil _____ bbls., 1st 24 hrs. Fresh water _____ feet _____ feet Salt water _____ feet _____ feet	CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
	Size			
	16			Kind of Packer _____
	13			
	10			Size of _____
	8 1/4			
	6 3/8			Depth set _____
	5 3/16			
	3			Perf. top _____
	2			Perf. bottom _____
Liners Used			Perf. top _____	
			Perf. bottom _____	

CASING CEMENTED _____ SIZE _____ No. FT. _____ Date _____

NAME OF SERVICE COMPANY _____

COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES

_____ FEET _____ INCHES FEET _____ INCHES

_____ FEET _____ INCHES FEET _____ INCHES

Drillers' Names _____

Remarks: Blow Well After Frac

9/20/85
DATE

R. D. Dutton
DISTRICT WELL INSPECTOR

Form 26
2/16/82

**STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS WELLS DIVISION
INSPECTOR'S PLUGGING REPORT**

Permit No. _____

Well No. _____

COMPANY _____ ADDRESS _____

FARM _____ DISTRICT _____ COUNTY _____

Filling Material Used _____

Liner		Location		Amount	Packer	Location		
PLUGS USED AND DEPTH PLACED			BRIDGES		CASING AND TUBING			
CEMENT-THICKNESS	WOOD-SIZE	LEAD	CONSTRUCTION-LOCATION		RECOVERED	SIZE	LOST	

Drillers' Names _____

Remarks:

_____ I hereby certify I visited the above well on this date.
DATE

DISTRICT WELL INSPECTOR

IV-35
(Rev 8-81)

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MAR 26 1986

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY



State of West Virginia

Department of Mines
Oil and Gas Division

Date March 26, 1986

Operator's

Well No. S-480 Paul McGraw.

Farm Paul McGraw

API No. 47 - 081 - 0635 frac

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: 2018 Watershed Breckenridge Creek
District: Trap Hill County Raleigh Quadrangle Arnett

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 Paul McGraw

ADDRESS P. O. Box 101, Bolt, WV 25817

MINERAL RIGHTS OWNER same as above

ADDRESS _____

OIL AND GAS INSPECTOR FOR THIS WORK Rodney

Dillon ADDRESS Scarbro, WV 25917

PERMIT ISSUED July 31, 1985

DRILLING COMMENCED frac Ravencliff 9/18/85

DRILLING COMPLETED _____

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.	25'		
13-10"		307	to surface
9 5/8			
8 5/8		1197	to surface
7			
5 1/2			
4 1/2		3226	100 sks
3			
2			
Liners used			

GEOLOGICAL TARGET FORMATION Ravencliff Depth _____ feet

Depth of completed well 3300 feet Rotary ___ / Cable Tools _____

Water strata depth: Fresh 250' feet; Salt _____ feet

Coal seam depths: 10-11,747-750,930-932 Is coal being mined in the area? no
955-958

OPEN FLOW DATA

Producing formation Ravencliff Pay zone depth _____ feet

Gas: Initial open flow _____ Mcf/d Oil: Initial open flow _____ Bbl/d

Final open flow 158 Mcf/d Final open flow _____ Bbl/d

Time of open flow between initial and final tests 4 hours

Static rock pressure 240 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

(Continue on reverse side)

RAL 0635-FRAC

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

Ravencliff perfs: 1576-1592 Sand 20/40 50,000# 244 bbl fluid

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all f and salt water, coal, oil and
Soil			0	10	
Coal			10	11	
Shale & Sandstone			11	747	
Coal			747	750	
Sandstone & Shale			740	930	
Coal			930	932	
Shale			932	955	
Coal			955	958	
Shale & Sandstone			958	1600	
Lime			1600	1640	
Shale & Sandstone			1640	2417	
Lime			2417	2485	
Shale			2485	2510	
Limestone			2510	2970	
Sandstone			2970	3075	
Shale			3075	3090	
Sandstone			3090	3174	
Shale			3174	3300	
Gamma Ray Log Tops					
Princeton			1422	1470	
Ravencliff			1550	1600	
Avis Lime			1600	1634	
Maxton			2070	2140	
Little Lime			2381	2445	
Big Lime			2507	2960	
Weir			3087	3143	

(Attach separate sheets as necessary)

Scott Oil Company
Well Operator

By:

David Wright

Date:

3/26/86

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 coal, encountered in the drilling of a well."

FILE COPY
RECEIVED
JUN 18 1985



1) Date: June 14, 19 85
2) Operator's Well No. S-480 Paul McGraw
3) API Well No. 47 081 0635 frac
State County Permit

STATE OF WEST VIRGINIA
DEPARTMENT OF ~~MINES~~ OIL AND GAS DIVISION
ENERGY
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: 2018 Watershed: Breckenridge Creek
District: Trap Hill 7 County: Raleigh Quadrangle: Arnett 218
- 6) WELL OPERATOR Scott Oil Company 7) DESIGNATED AGENT Darrel Wright
Address P. O. Box 112 Address P. O. Box 112
Salem, WV 26426 44315 Salem, WV 26426
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED 9) DRILLING CONTRACTOR:
Name Rodney Dillon Name _____
Address P. O. Box 30 Address _____
Scarbro, WV 25917
- 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, Ravenclyff
- 12) Estimated depth of completed well, 3300 feet
- 13) Approximate trata depths: Fresh, 250 feet; salt, _____ feet.
- 14) Approximate coal seam depths: 10-11, 747-750 Is coal being mined in the area? Yes _____ / No /
- 15) CASING AND TUBING PROGRAM 930-932

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									Kinds
Fresh water							307	to surface	
Coal									Sizes
Intermediate	8 5/8						1197	to surface	
Production	4 1/2						3226	100 sks	Depths set
Tubing									
Liners									Perforations:
									Top Bottom

OFFICE USE ONLY
DRILLING PERMIT

Permit number 47-081-0635 Frac Date July 31 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 31, 1987 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond:	Agent:	Plat:	Casing:	Fee:
<u>137</u>	<u>AB</u>	<u>MP</u>	<u>MP</u>	<u>168</u>

[Signature]
Administrator, Office of Oil and Gas
DIRECTOR, DIVISION OF OIL & GAS File

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.



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JUN 18 1987

OFFICE USE ONLY

PERMIT MODIFICATIONS AND CONDITIONS (IF ANY) TO THE PROPOSED WELL WORK

1. WELL OPERATOR: Scott Oil Company
Address: P. O. Box 112, Salem, WV 26582

2. DRILLING CONTRACTOR: [Name/Address]

3. PROPOSED WELL WORK: [Details]

4. LOCATION: [Details]

5. ELEVATION: [Details]

6. WELL DEPTH: [Details]

7. OTHER INFORMATION: [Details]

8. COMMENTS: [Details]

OFFICE USE ONLY

This part of Form IV-2(b) is to record the dates of certain occurrences and any follow-up inspections.

	Date	Date(s)
Application received		
Well work started		
Completion of the drilling process		
Well Record received		
Reclamation completed		

OTHER INSPECTIONS

Reason: _____

Reason: _____

137	AP	WPH	128
-----	----	-----	-----

1) Date: June 14, 1985
2) Operator's Well No. Paul McGraw S-480
3) API Well No. 47 081 0635 frac State County Permit

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES, OFFICE OF OIL & GAS

NOTICE OF APPLICATION FOR A WELL WORK PERMIT

SURFACE OWNER(S) OF RECORD TO BE SERVED

(i) Name Paul McGraw
Address Box 101
Bolt, WV 25817
ii) Name
Address
iii) Name
Address

5(i) COAL OPERATOR
Address
5(ii) COAL OWNER(S) WITH DECLARATION ON RECORD:
Name Paul McGraw
Address Box 101
Bolt, WV 25817
Name
Address

TO THE PERSON(S)

- (1) The Appl to be pl and desc cementin
- (2) The plat
- (3) The Cons plug a w reclam

THE REASON WHICH ARE SUMMARY (FORM IV-2(B) OR ACTION AT ALL.

Take notice erator proposes t for a Well Work P Department of Min and depicted on a Construction and by hand to the pe before the day of

- 6) EXTRACTION RIG Check and provi Included is I hold th The require
- 7) ROYALTY PROVISI Is the right to or other contra for compensatio to the volume c

If the you may use Aff

RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED NOT FOR INTERNATIONAL MAIL

(See Reverse)

480
P 102 479 899

Sent to	Paul McGraw
Street and No.	Box 101
P.O., State and ZIP Code	Bolt, WV 25817
Postage	\$ 56
Certified Fee	75
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to whom and Date Delivered	70
Return receipt showing to whom, Date, and Address of Delivery	
TOTAL Postage and Fees	\$ 127
Postmark or Date	JUN 17 1985

* U.S.G.P.O. 1984-446-014
PS Form 3800, Feb. 1982



the following documents:

Form IV-4 if the well is drilling or other work, the proposed casing and

Form V-6; and the well work is only to be under control and for

REGARDING THE APPLICATION COPY OF THE APPLICATION REQUIRED TO TAKE ANY

undersigned well accompanying documents Gas, West Virginia on attached Application ation, the plat, and the certified mail or delivered (circumstances) on or

contracts by which (side for specifics.)

in a lease or leases by similar provision that inherently related to No

the answer is Yes,

RECEIVED JUN 18 1985

OIL & GAS DIVISION DEPT. OF MINES

See the reverse side for line item instructions, and for instructions concerning the required copies of the Notice and Application, plat, and Construction and Reclamation Plan.

The truth of the information on the Notice and Application is verified and sworn to and the Notice is signed on behalf of the Well Operator in my County and State by Darrel Wright, this 14 day of June, 1985. My commission expires April 23, 1993.

WELL OPERATOR Scott Oil Company
By Darrel Wright
Its Vice President
Address P. O. Box 112
Salem, WV 26426
Telephone 304-623-9600

Notary Public, Roger Zima Harrison County, State of West Virginia

I N S T R U C T I O N S T O A P P L I C A N T

CONCERNING THE LINE ITEMS:

- 1) Date of Notice.
- 2) Your well name and number.
- 3) To be filled out by the Office of Oil & Gas.
- 4) & 5) Use separate sheet if necessary.
- 4) Surface owner(s) of record to be served with Notice and Application. However, see also Code § 22-4-1b(b) if "more than three tenants in common or other co-owners of interest described in subsection (a) of this section hold interests in such lands".
- 5(i) "Coal Operator" means any person, firm, partnership, partnership association or corporation that proposes to or does operate a coal mine.
- 5(ii, iii) See Code § 22-4-20.
- 6) See Code § 22-4-11(c). However, in lieu of filing the lease(s) or other continuing contract(s), the Applicant may fill out the information in the space provided below.
- 7) See Code § § 22-4-11(d, e).

CONCERNING THE REQUIRED COPIES FOR FILING AND SERVICE:

Filing. Code § 22-4-1k and Regulation 7.02 provide that the original and required copies of the Notice and Application must be filed with the Administrator, accompanied by (i) a plat in the form prescribed by Regulation 11, (ii) a bond in one of the forms prescribed by Regulation 12, or in lieu thereof the other security allowed by Code § 22-4-1k(d) and the reclamation required by Code § 22-4-12b and Regulation 23, (iv) unless previously paid on the same well, the fees required by Code § 22-4-1a(c) and 22-3-12a, and (v) if applicable, the consent required by Code § 22-4-8a from the owner of any water well on dwelling within 200 feet of the proposed well.

Service. In addition, service must be made on the surface owner(s) and the person(s) with an interest in the coal. See Code § § 22-4-1m, 22-4-2, 22-4-2a, and 22-4-2b.

INFORMATION SUPPLIED UNDER CODE § 22-4-11(d)

IN LIEU OF FILING LEASE(S) AND OTHER CONTINUING CONTRACT(S)

Under the oath required to make the verification on the obverse side of this Notice, I depose and say that I am the person who signed the Notice for the Applicant, and that--

- (1) the tract of land is the same tract described in the Application to which this Notice applies, partly or wholly depicted in the accompanying plat, and described in the Construction and Reclamation Plan;
- (2) the parties and recordation data (if recorded) for lease(s) or other continuing contract(s) by which the Applicant claims the right to extract, produce or market the oil or gas are as follows:

<u>Grantor, lessor, etc.</u>	<u>Grantee, lessee, etc.</u>	<u>Royalty</u>	<u>Book</u>	<u>Page</u>
Paul McGraw	James F. Scott	1/8	46	653

John C. [Signature]

FILE COPY
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JUL 12 1985



1) Date: June 14, 19 85
 2) Operator's Well No. S-480 Paul McGraw
 3) API Well No. 47 081 0635 frac
 State County Permit

**OIL & GAS DIV.
DEPT. OF MINES**

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

- 4) WELL TYPE: A Oil _____ / Gas X _____
 B (If "Gas", Production X _____ / Underground storage _____ / Deep _____ / Shallow _____ /)
- 5) LOCATION: Elevation: 2018 Watershed: Breckenridge Creek
 District: Trap Hill County: Raleigh Quadrangle: Arnett
- 6) WELL OPERATOR Scott Oil Company 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 Rodney Dillon Name _____
 Address P. O. Box 30 Address _____
Scarbro, WV 25917
- 10) PROPOSED WELL WORK: Drill _____ / Drill deeper _____ / Redrill _____ / Stimulate _____ /
 Plug off old formation _____ / Perforate new formation X _____ /
 Other physical change in well (specify) _____
- 11) GEOLOGICAL TARGET FORMATION, Ravenclyff
- 12) Estimated depth of completed well, 3300 feet
 13) Approximate trata depths: Fresh, 250 feet; salt, _____ feet.
 14) Approximate coal seam depths: 10-11, 747-750 Is coal being mined in the area? Yes _____ / No X _____
- 15) CASING AND TUBING PROGRAM 930-932

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										Kinds
Fresh water							307	to surface		
Coal										Sizes
Intermediate	8 5/8						1197	to surface		
Production	4 1/2						3226	100 sks		Depths set
Tubing										
Liners										Perforations:
										Top Bottom

INSTRUCTIONS TO COAL OPERATOR, OWNER, OR LESSEE

The named coal operator, coal owner(s), and coal lessee are hereby notified that any objection they wish to make or are required to make by Code §22-4-3 must be filed with the Department of Mines within fifteen (15) days after the receipt of this Application by the Department.

The following waiver must be completed by the coal operator and by any coal owner or coal lessee who has recorded a declaration under Code §22-4-20, if the permit is to be issued within fifteen (15) days of the filing of the Application.

WAIVER

The undersigned coal operator _____ / owner _____ / lessee _____ / of the coal under this well location has examined this proposed well location. If a mine map exists which covers the area of the well location, the well location has been added to the mine map. The undersigned has no objection to the work proposed to be done at this location, provided, the well operator has complied with all applicable requirements of the West Virginia Code and the governing regulations.

Date: _____, 19 _____

By Paul McGraw
 Its _____

Coal Owner

RECEIVED

JUL 12 1985

**OIL & GAS DIV.
DEPT. OF MINES**



1) Date: June 14, 19 85
 2) Operator's Well No. S-480 Paul McGraw
 3) API Well No. 47 081 0635 frac
 State County Permit

**STATE OF WEST VIRGINIA
DEPARTMENT OF MINES, 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: 2018 / Watershed: Breckenridge Creek
 District: Trap Hill / County: Raleigh / Quadrangle: Arnett
- 6) WELL OPERATOR Scott Oil Company / 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 Rodney Dillon / Name _____
 Address P. O. Box 30 / Address _____
Scarbro, WV 25917
- 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, Ravenclyff
- 12) Estimated depth of completed well, 3300 feet
- 13) Approximate trata depths: Fresh, 250 feet; salt, _____ feet.
- 14) Approximate coal seam depths: 10-11, 747-750 Is coal being mined in the area? Yes _____ / No /
- 15) CASING AND TUBING PROGRAM 930-932

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									Kinds
Fresh water							307	to surface	
Coal									Sizes
Intermediate	8 5/8						1197	to surface	
Production	4 1/2						3226	100 sks	Depths set
Tubing									
Liners									Perforations:
									Top Bottom

The law requires a comment period for surface owners. However, the permit can be issued in less than 15 days from the filing of the Application if the surface owner(s) of record sign(s) the following "Voluntary Statement of No Objection" on a facsimile of this surface owner's copy of the Application.

VOLUNTARY STATEMENT OF NO OBJECTION

I hereby state that I have read the instructions to surface owners on the reverse side of this Application for a Well Work Permit, and that I have received copies of (1) a Notice of Application for a Well Work Permit on Form IV-2(A), (2) an Application for a Well Work Permit on Form IV-2(B), (3) a survey plat on Form IV-6, and (4) a Construction and Reclamation Plan on Form IV-9, all for proposed well work on my surface land as described therein.

I further state that I have no objection to the planned work described in these materials, and I have no objection to a permit being issued based on those materials.

(For execution by corporation, partnership, etc.)

(For execution by natural persons)

NAME: _____

Paul McGraw
(Signature)

Date: 6-27-85

By _____

Its _____ Date _____

(Signature) Date: _____

Surface Owner

1R-26
Obverse

INSPECTOR'S PERMIT SUMMARY FORM

Fracture Permit: 7-31-85

WELL TYPE GAS
ELEVATION 2018
DISTRICT Trap Hill
QUADRANGLE Arnett
COUNTY Raleigh

API# 47-081-0635 Frac
OPERATOR Scott Oil
TELEPHONE _____
FARM Mc Graw
WELL # S-480

SURFACE OWNER Mc Graw COMMENTS _____ TELEPHONE _____
TARGET FORMATION _____ DATE APPLICATION RECEIVED _____
DATE STARTED _____
LOCATION _____ NOTIFIED yes DRILLING COMMENCED _____

WATER DEPTHS _____, _____, _____, _____
COAL DEPTHS _____, _____, _____, _____

CASING

Ran _____ feet of _____ "pipe on _____ with _____ fill up
Ran _____ feet of _____ "pipe on _____ with _____ fill up
Ran _____ feet of _____ "pipe on _____ with _____ fill up
Ran _____ feet of _____ "pipe on _____ with _____ fill up
TD _____ feet on _____

RECEIVED
DEPARTMENT OF ENERGY
OIL AND GAS

PLUGGING

MAR 31 1986

Type	From	To	Pipe Removed

Pit Discharge date: _____ Type _____
Field analysis ph _____ fe _____ cl _____
Well Record received _____

Date Released 3/27/86

R. Dillon
Inspector's signature

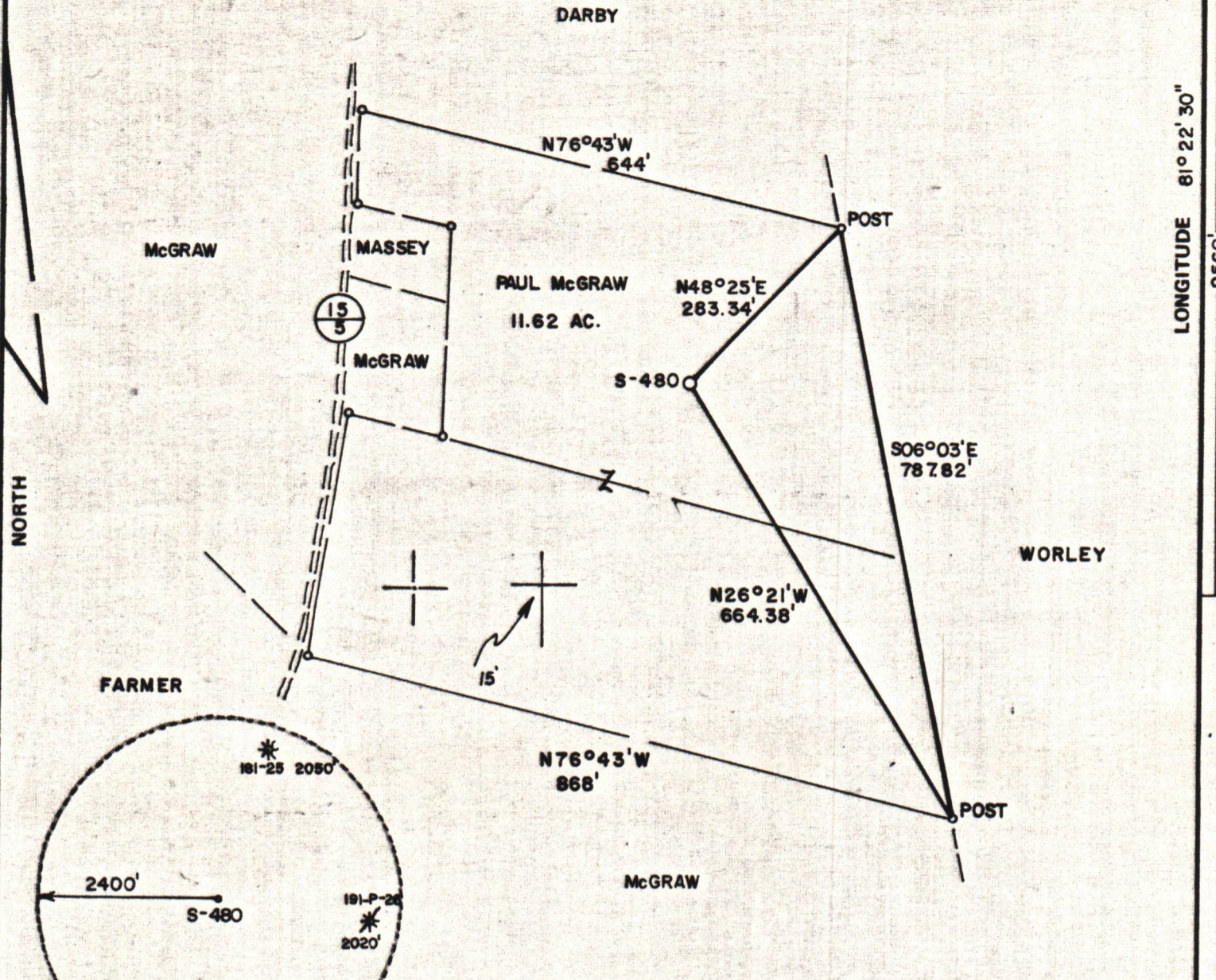
API# 47 081 - 0635F

LIST ALL VISITS FOR THIS PERMIT

	DATE	TIME	PURPOSE	COMMENTS
1	9-50		Blow Well after frac	
2				
3	10-1		location reclaimed after frac	
4				
5	10-22		Swab well	
6				
7	1-6-86		location Reclaimed	
8				
9				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				

Notes

NORTH



PREPARED BY:
 LAND SURVEYING SERVICES
 RT. 2, BOX 215
 JANE LEW, WV 26378
 PHONE: 304-745-4426

FILE NO. _____
 DRAWING NO. _____
 SCALE 1" = 200'
 MINIMUM DEGREE OF ACCURACY 1 in 2500
 PROVEN SOURCE OF ELEVATION RD. INTER 400' W of LOCATION ELEV. 2015'

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 JULY 18, 1983
 OPERATOR'S WELL NO. McGRAW NO. 1
 API WELL NO. S-480
47 - 081 - 0635-Frac
 STATE COUNTY PERMIT

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS
 WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS,") PRODUCTION X STORAGE ___ DEEP ___ SHALLOW X
 LOCATION: ELEVATION 2018' WATER SHED BRECKENRIDGE CREEK
 DISTRICT TRAP HILL COUNTY RALEIGH
 QUADRANGLE ARNETT 75 min.

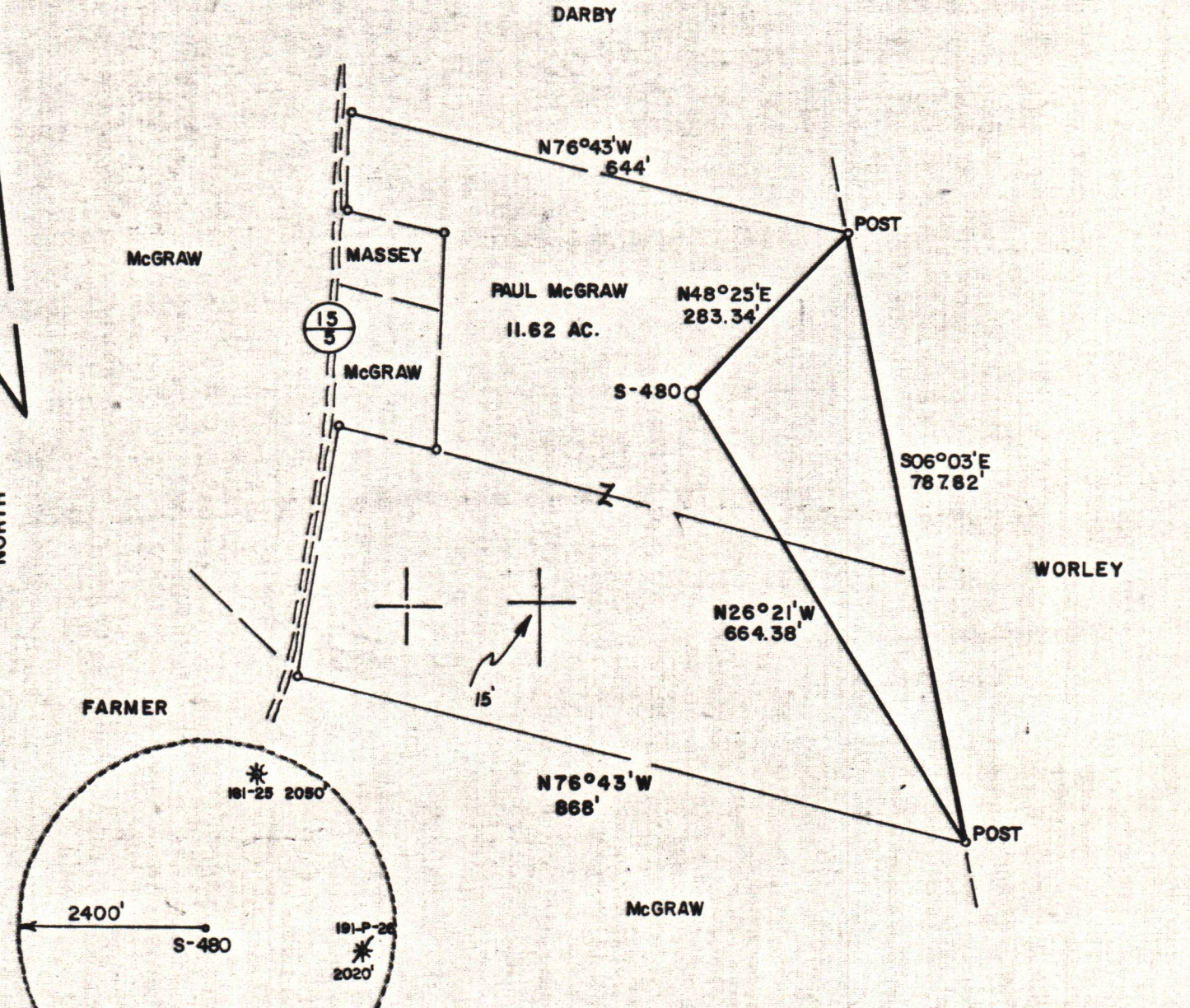
SURFACE OWNER PAUL McGRAW, et ux. ACREAGE 5.71
 OIL & GAS ROYALTY OWNER PAUL McGRAW, et ux. LEASE ACREAGE 11.62
 LEASE NO. SW-938

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 WEIR, B.L., MAXTON, RAVENCLIFF ESTIMATED DEPTH 3300' TD
 WELL OPERATOR JAMES F. SCOTT DESIGNATED AGENT DARREL WRIGHT
 ADDRESS P.O. BOX 112 SALEM, WV 26426 ADDRESS P.O. BOX 112 SALEM, WV 26426

KAL. 0635-Frac.

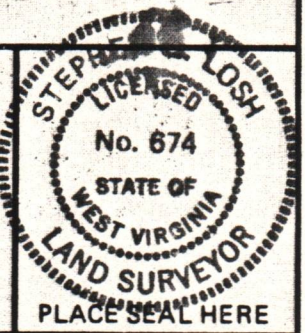
NORTH



PREPARED BY:
 LAND SURVEYING SERVICES
 RT. 2, BOX 215E
 JANE LEW, WV 26378
 PHONE: 304-745-4426

FILE NO. _____
 DRAWING NO. _____
 SCALE 1" = 200'
 MINIMUM DEGREE OF ACCURACY 1 in 2500
 PROVEN SOURCE OF ELEVATION RD. INTER 400' W of LOCATION ELEV. 2015'

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



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47 - 081 - 0635-Frac
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 (IF "GAS,") PRODUCTION X STORAGE ___ DEEP ___ SHALLOW X
 LOCATION: ELEVATION 2018' WATER SHED BRECKENRIDGE CREEK
 DISTRICT TRAP HILL COUNTY RALEIGH
 QUADRANGLE ARNETT 7.5 min.
 SURFACE OWNER PAUL McGRAW, et. ux. ACREAGE 5.71
 OIL & GAS ROYALTY OWNER PAUL McGRAW, et. ux. LEASE ACREAGE 11.62
 LEASE NO. SW-938
 PROPOSED WORK: DRILL X CONVERT ___ DRILL DEEPER ___ REDRILL ___ FRACTURE OR STIMULATE ___ PLUG OFF OLD FORMATION ___ PERFORATE NEW FORMATION ___ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____
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RAL. 0635 - Frac.