

M.S. 7/21/82

USD-15

4680

TO ROBINSON FORK

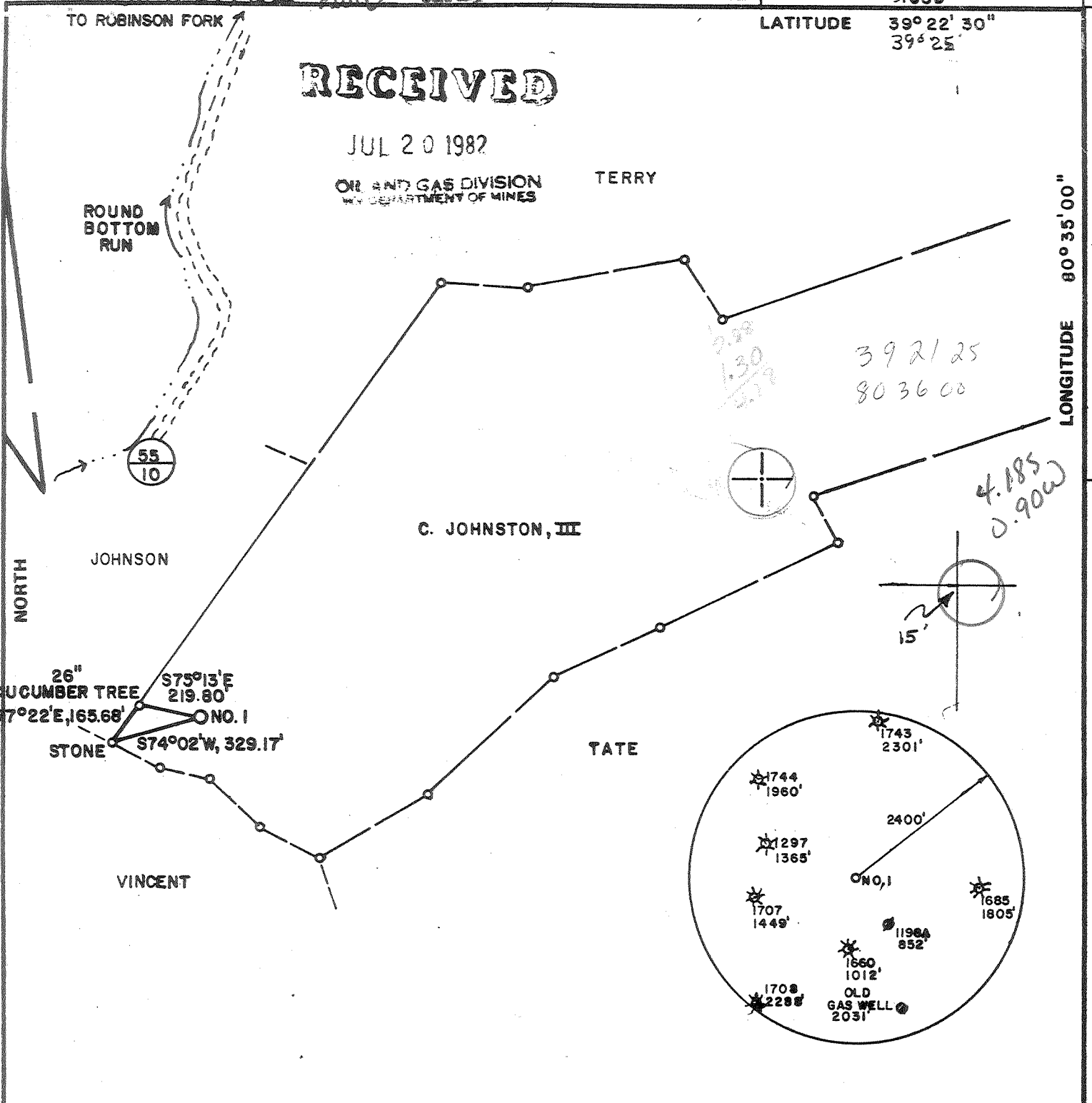
LATITUDE 39° 22' 30"
39° 25'

RECEIVED

JUL 20 1982

OIL AND GAS DIVISION
WV DEPARTMENT OF MINES TERRY

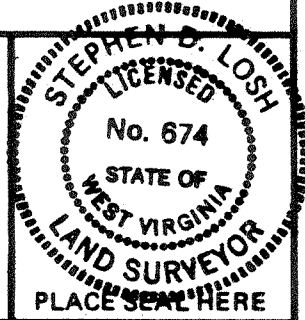
LONGITUDE 80° 35' 00"
6900'



FILE NO. _____
 DRAWING NO. _____
 SCALE 1" = 500'
 MINIMUM DEGREE OF ACCURACY 1 in 200
 PROVEN SOURCE OF ELEVATION BM ELEV. - 840'

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



STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION



DATE JULY 2, 19 82
 OPERATOR'S WELL NO. JOHNSTON NO. 1
 API WELL NO. 5-417
 47 - 017 - 3122
 STATE COUNTY PERMIT

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS
 WELL TYPE: OIL ___ GAS LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS,") PRODUCTION STORAGE ___ DEEP ___ SHALLOW
 LOCATION: ELEVATION 1297' WATER SHED ROBINSON FORK
 DISTRICT Mc CLELLAN COUNTY DODDRIDGE
 QUADRANGLE SALEM 7.5 min. Centerville 15' C
 SURFACE OWNER CHARLES D. JOHNSTON, III ACREAGE 109.14
 OIL & GAS ROYALTY OWNER CHARLES D. JOHNSTON, III LEASE ACREAGE 117
 LEASE NO. _____
 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 5100' / 5450'
 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

SIN 174704 FLINT-JE DALIA JUL 26 1982

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OIL AND GAS DIVISION
WV DEPARTMENT OF MINES

State of West Virginia

Department of Mines
Oil and Gas Division

Date Sept. 20, 1982
Operator's Well No. S-417
Farm Charles Johnston
API No. 47 - 017 - 3122

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 X /)

LOCATION: Elevation: 1297 Watershed Robinson Fork
District: McClellan County Doddridge Quadrangle Salem 7.5'

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 Charles Johnston III
ADDRESS P.O. Box 447; Clarksburg, WV 26301
MINERAL RIGHTS OWNER Charles Johnston III
ADDRESS P.O. Box 447; Clarksburg, WV 26301
OIL AND GAS INSPECTOR FOR THIS WORK Stephen Casey
ADDRESS Rt. 2, Box 232-D, Jane Lew, WV
PERMIT ISSUED July 20, 1982
DRILLING COMMENCED Sept. 7, 1982
DRILLING COMPLETED Sept. 12, 1982
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		1900	to surface
7			
5 1/2			
4 1/2		5403	650 sks.
3			
2			
Liners used			

GEOLOGICAL TARGET FORMATION Benson; Alexander Depth 5406 feet
Depth of completed well 5448 feet Rotary X / Cable Tools _____
Water strata depth: Fresh 35-595 feet; Salt _____ feet
Coal seam depths: 128-132 Is coal being mined in the area? NO

OPEN FLOW DATA

Producing formation Benson-Gordon Pay zone depth 5280 feet
Gas: Initial open flow show Mcf/d Oil: Initial open flow _____ Bbl/d
Final open flow 504 Mcf/d Final open flow _____ Bbl/d
Time of open flow between initial and final tests 4 hours
Static rock pressure 1200 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

OCT 01 1982

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

1st Stage 40,000# Sand 500 Bbl. H2/O
 2nd Stage 25,000# Sand 126 Bbl. H2/O 500 Bbl. Foam

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fresh and salt water, coal, oil and gas
Fill & Top soil			0	5	
Sand			5	35	
Sand & Shale			35	95	Wet @ 35'
Sand			95	128	
Coal			128	132	½" H2/O @ 595'
Sandy Shale			132	164	
Shale			164	185	
Sand & Shale			185	225	
Shale			225	280	
Sand			280	370	
Sand & Shale			370	385	
Sand			385	470	
Sand & Shale			470	673	
Sand			673	694	
Sand			694	1455	
Sand			1455	1508	
Shale			1508	1787	
Sand & Shale			1787	1913	
Shale			1913	1967	
Sand			1967	2150	
L. Lime			2150	2180	
Shale			2180	2194	
B. Lime			2194	2280	
Sand			2280	2295	
Sand & Shale			2295	5290	
Sand			5290	5305	
Shale			5305	5448 TD	

ALEX

(Attach separate sheets as necessary)

James F. Scott

Well Operator

By:

James F. Scott

Date:

Sept. 20, 1982

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."

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

1st Stage 40,000# Sand 500 Bbl. H2/O (Alexander)
 2nd Stage 25,000# Sand 126 Bbl. H2/O 500 Bbl. Foam (Gordon)

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS
					Including indication of all fresh and salt water, coal, oil and gas
Fill & Top soil			0	5	
Sand			5	35	Wet @ 35'
Sand & Shale			35	95	
Sand			95	128	
Coal			128	132	½" H2/O @ 595'
Sandy Shale			132	164	
Shale			164	185	
Sand & Shale			185	225	
Shale			225	280	
Sand			280	370	
Sand & Shale			370	385	
Sand			385	470	
Sand & Shale			470	673	
Sand			673	694	
Sand			694	1455	
Sand			1455	1508	
Shale			1508	1787	
Sand & Shale			1787	1913	
Shale			1913	1967	
Sand			1967	2150	
L. Lime			2150	2180	
Shale			2180	2194	
B. Lime			2194	2280	
Sand			2280	2295	
Sand & Shale			2295	5290	
Sand			5290	5305	
Shale			5305	5448 TD	
<p>Gamma Ray</p> <p>Big Lime 2200 2280</p> <p>Gordon 3028 3040</p> <p>Benson 5275 5284</p>					

(Attach separate sheets as necessary)

James F. Scott

Well Operator

By: James F. Scott

Date: Sept. 20, 1982

Note: Regulation 2.02(i) provides as follows:
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OIL AND GAS DIVISION
WV DEPARTMENT OF MINES



STATE OF WEST VIRGINIA

OFFICE OF OIL AND GAS - DEPARTMENT OF MINES

Well No. S-417

Farm Charles Johnston

API #47 - 017- 3122

Date July 9, 1982

OIL AND GAS WELL PERMIT APPLICATION

WELL TYPE: Oil / Gas X /

(If "Gas", Production X / Underground storage / Deep / Shallow X /

LOCATION: Elevation: 1297 Watershed: Robinson Fork
District: McClellan County: Doddridge Quadrangle: Salem 7.5'

WELL OPERATOR James F. Scott
Address P.O. Box 112
Salem, WV 26426

DESIGNATED AGENT Darrel Wright
Address P.O. Box 112
Salem, WV 26426

OIL AND GAS ROYALTY OWNER Charles Johnston III
Address P.O. Box 447
Clarksburg, WV 26301
Acreage 117

COAL OPERATOR
Address

SURFACE OWNER Charles Johnston III
Address P.O. Box 447
Clarksburg, WV 26301
Acreage 109.14

COAL OWNER(S) WITH DECLARATION ON RECORD:
NAME Willis Tetrick
Address Union National Bank Bldg.
Clarksburg, WV 26301

FIELD SALE (IF MADE) TO:
NAME
Address

NAME
Address

OIL AND GAS INSPECTOR TO BE NOTIFIED:
NAME Stephen Casey
Address Rt. 2 Box 232-D
Jane Lew, WV 26378
Telephone 884-7470

COAL LESSEE WITH DECLARATION ON RECORD:
NAME Consolidation Coal Co.
Address P.O. Box 1314
Morgantown, WV 26505

The undersigned well operator is entitled to operate for oil or gas purposes at the above location under a deed / lease X / other contract / dated July 27, 1981, to the undersigned well operator from Charles D. Johnston & Cindy Johnston.

(If said deed, lease, or other contract has been recorded:)

Recorded on July 29, 1981, in the office of the Clerk of County Commission of Doddridge County, West Virginia, in 121 Book at page 441. A permit is requested as follows:

PROPOSED WORK: Drill X / Drill Deeper / Redrill / Fracture or stimulate / Plug off old formation / Perforate new formation / Other physical change in well (specify)

--planned as shown on the work order on the reverse side hereof.

The above 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 receipt of this Application by the Dept. Copies of this Permit Application and the enclosed plat and reclamation plan have been mailed by registered mail or delivered by hand to the above named coal operator, coal owner(s), and coal lessees on or before the day of the mailing or delivery of this Application to the Department of Mines at Charleston, West Virginia.

PLEASE SUBMIT COPIES OF ALL GEOPHYSICAL LOGS DIRECTLY TO:

WEST VIRGINIA OIL AND GAS CONSERVATION COMMISSION
1613 WASHINGTON ST., E.
CHARLESTON, WV 25311
Telephone - 304/348-3092

James F. Scott
Well Operator
By: James F. Scott
Its: Owner

BLANKET BOND

(Revised 3-81)

PROPOSED WORK ORDER

THIS IS AN ESTIMATE ONLY:
ACTUAL INFORMATION MUST BE SUBMITTED ON FORM IV-35 UPON COMPLETION

DRILLING CONTRACTOR (IF KNOWN) Unknown

Address _____

GEOLOGICAL TARGET FORMATION Benson; Alexander

Estimated depth of completed well 5450 feet. Rotary X / Cable tools /
Approximate water strata depths: Fresh, feet; salt, feet.
Approximate coal seam depths:
Is coal being mined in this area: Yes / No X / Salt Sand ≈ 1800'

CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SPECIFICATIONS				FOOTAGE INTERVALS		CEMENT FILL- UP OR SACKS Cubic ft.	PACKERS
	Size	Grade	Weight per ft	New	Used	For Drill- ling		
Conductor	11 3/4					30		Kinds
Fresh water								
Coal								Sizes
Intermed.	8 5/8						750	to surface
Production Tubing	4 1/2						5450	350 sks. Depths set
Liners								Perforations: Top Bottom

NOTE: Regulation 7.02 of the Department of Mines provides that the original and four copies of Form IV-2 must be filed with the Department, 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 §22-4-2, (iii) Form IV-9, "Reclamation Plan" applicable to the reclamation required by Code §22-4-12b and Regulation 23, (iv) unless previously paid on the same well, the fee required by Code §22-4-12a, and (v) if applicable, the consent required by Code §22-4-8a from the owner of any water well or dwelling within 200 feet of the proposed well.
A separate Form IV-2 shall not be required for fracturing or stimulating a well where fracturing or stimulating is to be part of the work for which a permit is sought and is noted as such on the Form IV-2 filed in connection therewith.

THIS PERMIT MUST BE POSTED AT THE WELL SITE.
ALL PROVISIONS BEING IN ACCORDANCE WITH CHAPTER 22,
ARTICLE 4 OF THE W. VA. CODE, THE LOCATION IS HEREBY
APPROVED FOR drilling. THIS PERMIT SHALL EXPIRE
IF OPERATIONS HAVE NOT COMMENCED BY 3-22-83
BY [Signature]

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 receipt thereof:

agent for W A I V E R

The undersigned coal operator / owners X / 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 regularions.

Date: 12 July, 1982.

By: Willis G. Tetrick Jr.

Its: Agent.

Ray W. Henderson Consultant Coal Co 7/15/82