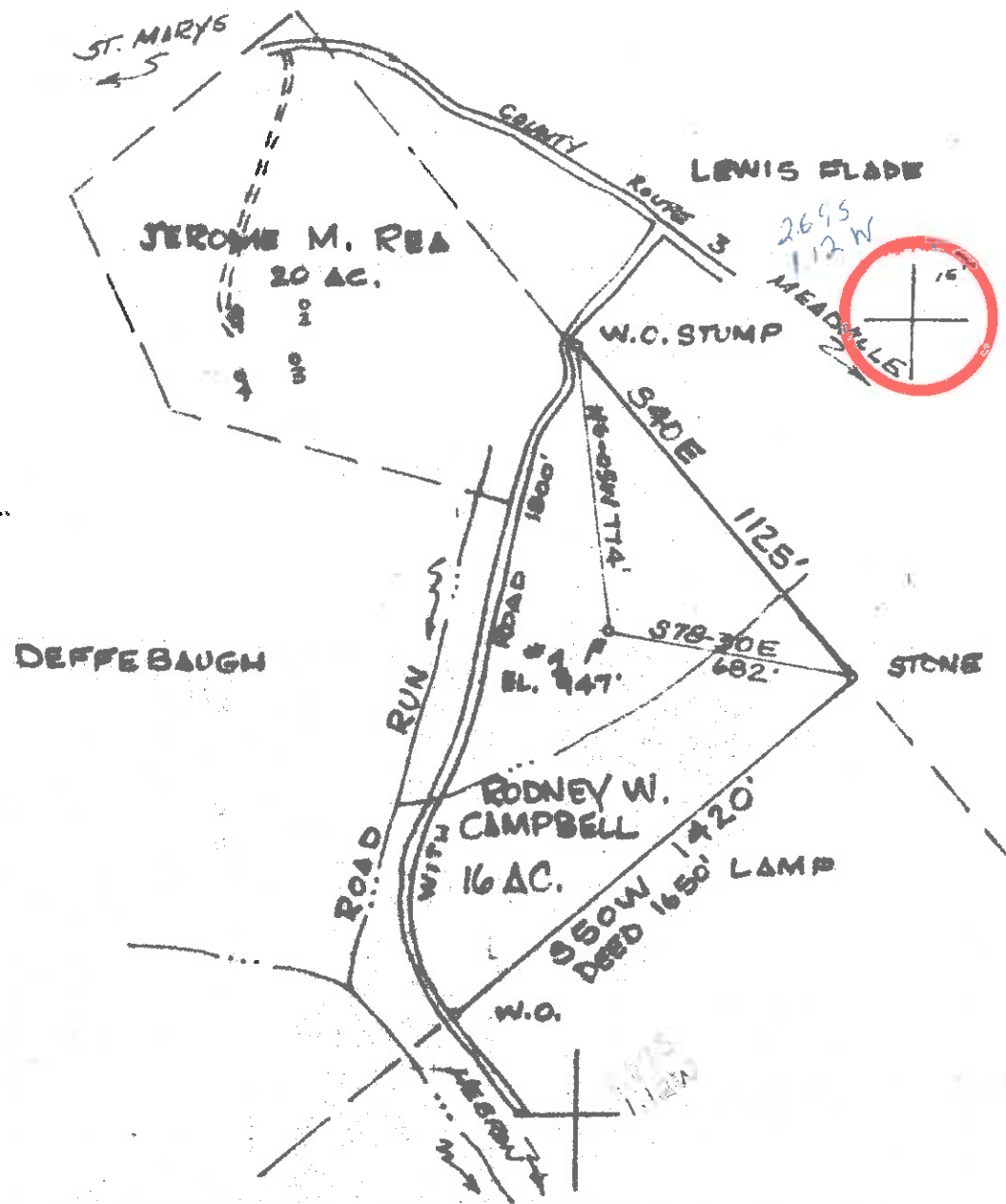


LATITUDE 39° 25'

14000' SOUTH
5870' WEST

LATITUDE 81° 00'



FILE NO. _____
 DRAWING NO. _____
 SCALE 1"=500'
 MINIMUM DEGREE OF ACCURACY 1:200'
 PROVEN SOURCE OF ELEVATION ROAD INT 947'

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) William R. Mosser
 R.P.E. _____ L.L.S. 551

PLACE SEAL HERE

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS
 FORM IV-6
 (8-78)



DATE 20 OCT., 1980
 OPERATOR'S WELL NO. 1
 API WELL NO. 47-073-1027
 STATE COUNTY PERMIT

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION

WELL TYPE: OIL GAS LIQUID INJECTION _____ WASTE DISPOSAL _____
 (IF "GAS", PRODUCTION STORAGE _____ DEEP _____ SHALLOW
 LOCATION: ELEVATION 947' WATER SHED ROAD RUN
 DISTRICT LAPAYETTE COUNTY PLEASANTS
 QUADRANGLE BENS RUN 7 1/2 QUAD. EC 5112 W
 SURFACE OWNER RODNEY W. CAMPBELL ACRES 16
 OIL & GAS ROYALTY OWNER RODNEY W. CAMPBELL LEASE ACRES 16
 LEASE NO. _____
 PROPOSED WORK: DRILL CONVERT _____ DRILL DEEPER _____ REDRILL _____ FRACTURE OR STIMULATE _____ PLUS OFF OLD FORMATION _____ PERFORATE NEW FORMATION _____ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____

PLUS AND ABANDON _____ CLEAN OUT AND REPLUS _____
 TARGET FORMATION COAL RUN ESTIMATED DEPTH 1000' DEC 19 1980
 WELL OPERATOR ANDERSON PETRO DESIGNATED AGENT ALLEN M. ANDERSON
 ADDRESS RT 1 BOX 195 FLEMING, OHIO 45729 ADDRESS RT 1 BOX 195 FLEMING, OHIO 45729

BOB LOWTHER

WR-35

RECEIVED
MAY 21 1987



State of West Virginia
DEPARTMENT OF ENERGY
Oil and Gas Division

Date May 18, 1987
Operator's #1
Well No. #1
Farm CAMPBELL
API No. 47-073-1027

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

WELL OPERATOR'S REPORT
OF

DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

WELL TYPE: Oil / Gas / Liquid Injection / Waste Disposal
(If "Gas," Production / Underground Storage / Deep / Shallow)

LOCATION: Elevation: 947 Watershed MCKIM CREEK
District: LAFAYETTE County PLEASANTS Quadrangle BENS RUN

COMPANY ALLAN ANDERSON
ADDRESS Rt 1 Box 195 Fleming O 45729
DESIGNATED AGENT HARRY A SIGLERT
ADDRESS R#3 ST MARYS WVA
SURFACE OWNER RODNEY CAMPBELL
ADDRESS _____
MINERAL RIGHTS OWNER Same
ADDRESS _____
OIL AND GAS INSPECTOR FOR THIS WORK Phil Tracy
ADDRESS Middlebourne
PERMIT ISSUED 11-27-80
DRILLING COMMENCED 1/13/81
DRILLING COMPLETED 3/30/81
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"			
9 5/8			
8 5/8	250	250	70 SKS
7			
5 1/2	955	955	
4 1/2			
3			
2			
Liners used			

GEOLOGICAL TARGET FORMATION COW RUN SAND Depth 985 feet
Depth of completed well 985 feet Rotary / Cable Tools
Water strata depth: Fresh 0 feet; Salt 0 feet
Coal seam depths: 0 Is coal being mined in the area? NO

OPEN FLOW DATA

Producing formation COW RUN SAND Pay zone depth 967-978 feet
Gas: Initial open flow 0 Mcf/d Oil: Initial open flow 5 Bbl/d
Final open flow 0 Mcf/d Final open flow 5 Bbl/d

Time of open flow between initial and final tests 3 hours

Static rock pressure 0 psig (surface measurement) after 0 hours shut in 01/21/2022

(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

JUN 1 1987

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

shot with 20 qts at 967'-978' Nitro Glycerol

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fresh and salt water, coal, oil and gas
YELLOW CLAY			0	4	
			4	14	
RED CLAY			14	28	
SANDSTONE			28	38	
GRAY SANDSTONE			38	42	
GRAY SHALE			42	46	
RED SHALE			46	48	
GRAY SHALE			48	70	
RED SHALE			70	78	
GRAY SHALE			78	88	
RED SHALE			88	90	
LIMESTONE			90	108	
RED SHALE			108	128	
GRAY SHALE			128	160	
RED SHALE			160	173	
GRAY SHALE			173	180	
RED SHALE			180	210	
GRAY SHALE			210	223	
GRAY SHALE			223	228	
GRAY SAND			228	248	
GRAY SHALE			248	257	

RECEIVED
MAY 21 1987

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

(Attach separate sheets as necessary)

allon anderson
Well Operator

By: Nancy L. Sigler

Date: 5-18-87

01/21/2022

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."

073 1027

FROM	TO	MATERIAL	REMARKS
257	268	REDSHALE	
268	276	SANDSTONE	
276	281	REDSHALE	
281	312	SANDSTONE	
312	325	GRAY SHALE	
325	378	REDSHALE	
378	385	SANDSTONE	
385	428	GRAY SHALE	
428	433	REDSHALE	
433	438	SANDSTONE	
438	450	REDSHALE	
450	465	GRAY SHALE	
465	468	REDSHALE	
468	478	GRAY SHALE	
478	515	REDSHALE	
515	550	GRAY SHALE	
550	553	REDSHALE	
553	568	GRAY SHALE	
568	586	REDSHALE	
586	615	GRAY SHALE	

RECEIVED
MAY 21 1987

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

01/21/2022

JUN 1 1987

over →

073 1027

FROM	TO	MATERIAL	REMARKS
615	650	DARK GRAY SHALE	
650	660	RED SHALE	
660	748	GRAY SHALE	
748	758	RED SHALE	
758	765	LIMESTONE	
765	882	REDSHALE	
882	898	SANDSTONE	
898	945	GRAY SHALE	
945	955	RED SHALE	
955	964	GRAY SHALE	
964	985	SANDSTONE	
			01/21/2022

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

OIL AND GAS WELL PERMIT APPLICATION

Date: Nov. 8, 1980

Operator's Well No. 1

API Well No. 47-073-1027
State County Permi

WELL TYPE: Oil Gas
(If "Gas", Production Underground storage Deep Shallow)

LOCATION: Elevation: 947 Watershed: Road Run
District: Lafayette County: Pleasants Quadrangle: Ben's Run

WELL OPERATOR Allen M Anderson DESIGNATED AGENT Leo Sigler
Address Rt #1, Box 195 Address Belmont 240a
Fleming Ohio 45729

OIL & GAS ROYALTY OWNER Rodney W. Campbell
Address Star Rt. Box 75
Hebron, W Va 26170

COAL OPERATOR _____
Address: _____

SURFACE OWNER Rodney W. Campbell
Address Star Rt. Box 75
Hebron, W Va.
Acreage 16

COAL OWNER(S) WITH DECLARATION ON RECORD:
Name _____
Address _____
Name _____
Address _____

FIELD SALE (IF MADE) TO:
Name _____
Address _____

COAL LESSEE WITH DECLARATION ON RECORD:
Name _____
Address _____

OIL & GAS INSPECTOR TO BE NOTIFIED
Name Phillip Leubrey
Address Middlebourne, W Va 26149
Phone 1-304-758-4573

The undersigned well operator is entitled to operate for oil or gas purposes at the above location under a deed lease other contract dated _____, 19____, to undersigned well operator from _____

[If said deed, lease, or other contract has been recorded:]
Recorded on Jan 24, 1980, in the office of the Clerk of the County Commission of Pleasants County, West Virginia, in _____ Book 156 at page 181. A permit is requested as follows:

PROPOSED WORK: Drill 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 the receipt of this Application by the Department.

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 lessee on or before the day of the mailing or delivery of this Permit Application to the Department of Mines, Charleston, West Virginia.

PLEASE SUBMIT COPIES OF ALL
GEOPHYSICAL LOGS DIRECTLY TO:
WEST VIRGINIA OIL AND GAS
CONSERVATION COMMISSION
1615 WASHINGTON STREET EAST
CHARLESTON, WV 25311
TELEPHONE: (304) 348-3092

Allen M Anderson
Well Operator
By [Signature]

01/21/2022

[08-78]

PROPOSED WORK ORDER

THIS IS AN ESTIMATE ONLY.
ACTUAL INFORMATION MUST BE SUBMITTED ON FORM IV-3

DRILLING CONTRACTOR (IF KNOWN) _____

Address _____

GEOLOGICAL TARGET FORMATION, _____

Estimated depth of completed well, 1000 feet

Approximate water strata depths: Fresh, 150 feet; salt, _____

Approximate coal seam depths: _____ Is coal being mined in the area: Yes / No

CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SPECIFICATIONS					FOOTAGE INTERVALS		GENERAL USE OR OTHER DATA
	Size	Grade	Weight per ft.	New	Used	For drilling	Left in well	
Conductor								
Fresh water								
Coal							<u>259'</u>	
Intermediate						<u>1000'</u>		<u>1000' Cement to surface</u>
Production								
Tubing								
Liners								

NOTE: Regulation 7.02 of the Department of Mines provides that the original and a copy 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 11, or (iii) thereof the other security allowed by Code § 22-4-2, (iii) Form IV-3, "Reclamation Bond", applicable to the reclamation required by Code § 22-4-12b and Regulation 12, if applicable previously paid on the same well, the fee required by Code § 22-4-12a, and (iv) the consent required by Code § 22-4-8a from the owner of any water well within a radius of 200 feet of the proposed well.

A separate Form IV-2 shall not be required for fracturing a well during a well where fracturing or stimulating is to be part of the work for which a permit is obtained is noted as such on the Form IV-2 filed in connection therewith.

drilling

7-LZ-81

The following waiver must be submitted by the owner or coal lessee who has recorded a declaration under is to be issued within fifteen (15) days of receipt hereof:

WAIVER

The undersigned coal owner _____ owner _____ location has examined this proposed well location. If a mine well location, the well location has been added to the mine plan. The work proposed to be done at this location, as stated, meets applicable requirements of the West Virginia Code and the regulations

01/21/2022

Date: _____

By: _____