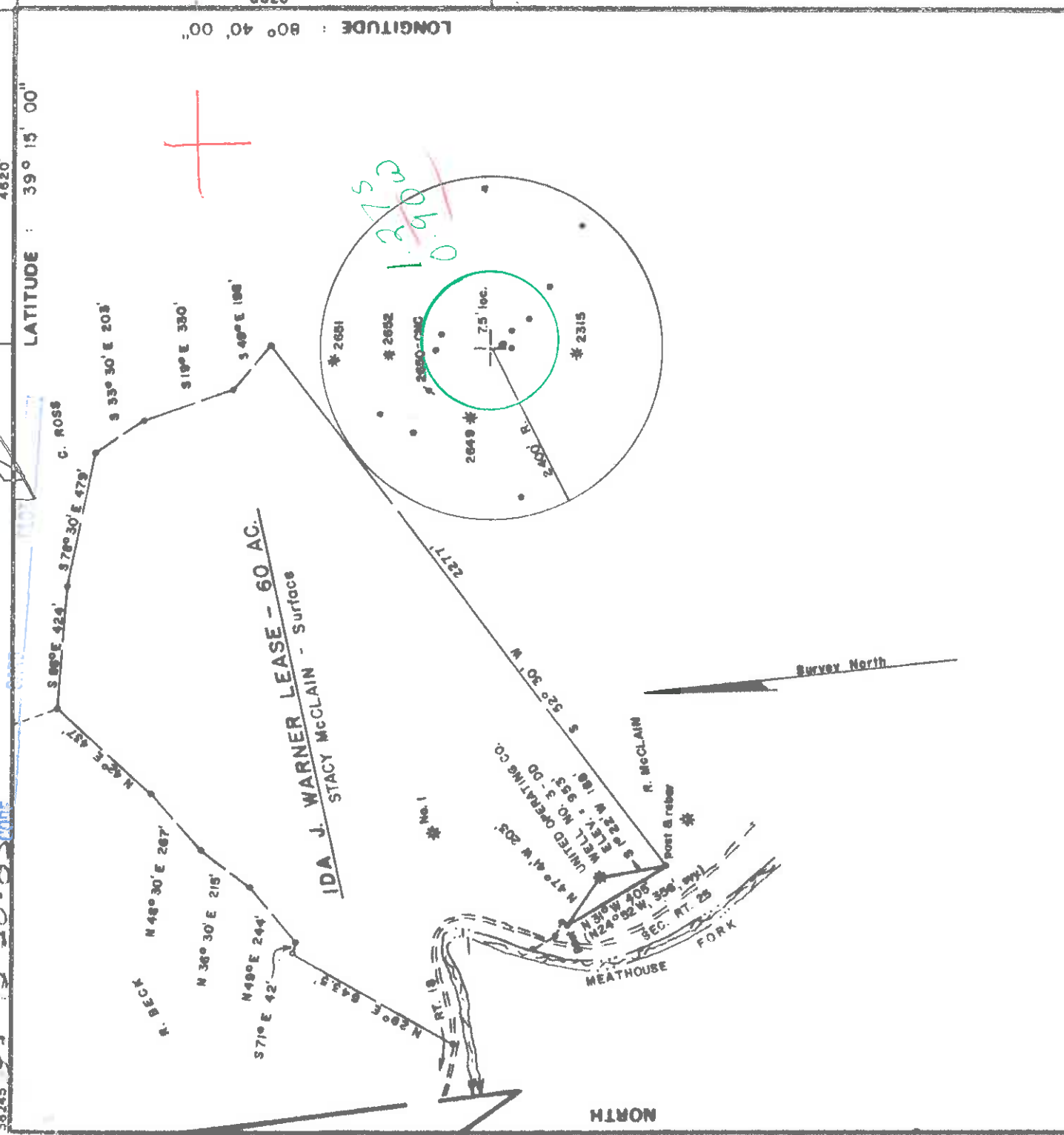


58245 55 12-20-85

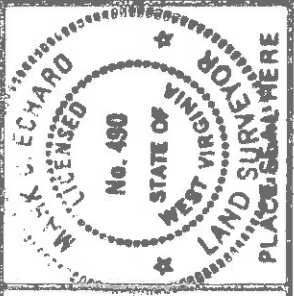
4620' LATITUDE : 39° 15' 00"

LONGITUDE : 80° 40' 00"



FILE NO. _____
 DRAWING NO. _____
 SCALE 1 inch = 500 feet
 MINIMUM DEGREE OF ACCURACY 1/200
 PROVEN SOURCE OF ELEVATION U.S.S. BM. South of Well. ELEV. = 830'

I, THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAN 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) Mark C. Echard
 MARK C. ECHARD
 R.P.E. _____ L.L.S. 490



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



DATE DECEMBER 4, 1985
 OPERATOR'S WELL NO. THREE - DD
 API WELL NO. 47-017-3480-D
 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 953' WATER SHED MEATHOUSE FORK
 DISTRICT NEW MILTON 6 COUNTY Doddridge
 QUADRANGLE NEW MILTON 7.5 511 12.3 NW, VADIS
 SURFACE OWNER STACEY McCLAIN ACREAGE 60
 OIL & GAS ROYALTY OWNER IDA J. WARNER LEASE ACREAGE 60

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 MARCELLUS SHALE ESTIMATED DEPTH 5750'
 WELL OPERATOR UNITED OPERATING CO. DESIGNATED AGENT LYLE COFFMAN
 ADDRESS 920 COMMERCE SQUARE ADDRESS MORRIS ROAD
 CHARLESTON, W.VA. 25301 499 GLENVILLE, W.VA. 26351

6-6 New Milton North (144)

BLA BLUEPRINT INC. Hous. W. Va.

1-6-86



FEB 4 1986

IV-35
(Rev 8-81)

Date January 27, 1986
Operator's
Well No. #3
Farm Warner
API No. 47 - 017 - 3480

State of West Virginia
Department of Mines
Oil and Gas Division

WELL OPERATOR'S REPORT
OF
DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

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

LOCATION: Elevation: 953 ft Watershed Monkton
District: New County Douglas Quadrangle W-11

COMPANY United Operating Company
ADDRESS 930 Commerce Square, Charleston, WV
DESIGNATED AGENT Jack L. Trittipio
ADDRESS 930 Commerce Square
SURFACE OWNER Nancy L. Coffman
ADDRESS Box 231, New Milton, WV
MINERAL RIGHTS OWNER Ida J. Warner
ADDRESS _____
OIL AND GAS INSPECTOR FOR THIS WORK Mike
Underwood ADDRESS Rt. 2, Box 114, Salem, WV
PERMIT ISSUED December 26, 1985
DRILLING COMMENCED January 19, 1986
DRILLING COMPLETED January 24, 1986
IF APPLICABLE: PLUGGING OF DRY HOLE ON
CONTINUOUS PROGRESSION FROM DRILLING OR
REWORKING. VERBAL PERMISSION OBTAINED
ON _____

Casing Tubing Size	Used in Drilling	Left in Well	Cement fill up Cu. ft.
20-16 Cond. 3/4"	150	150	circulate
9 5/8	1980	1980	1000' fill up
8 5/8			
7			
5 1/2			
4 1/2	0	5250	3000' fill up
3			
2			
Liners used			

GEOLOGICAL TARGET FORMATION Alexander Depth 5250 feet
Depth of completed well 5290 feet Rotary X / Cable Tools _____
Water strata depth: Fresh 20 feet; Salt N/A feet
Coal seam depths: N/A Is coal being mined in the area? NO

OPEN FLOW DATA
Producing formation Co-mingled Alexander, Benson, Riley, Speechley Pay zone depth 5250 feet
Gas: Initial open flow No Test Mcf/d Oil: Initial open flow N/A Bbl/d
Final open flow Est. 380 Mcf/d Move to 480 Mcf/d Final open flow N/A Bbl/d
Time of open flow between initial and final tests N/A hours
Static rock pressure _____ 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)

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

1st stage	3190 - 3250	5th stage	4330 - 4450
2nd stage	3300 - 3450	6th stage	4700 - 4850
3rd stage	3564 - 3700	7th stage	4990 - 5280
4th stage	3900 - 4110		

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fresh and salt water, coal, oil and gas
Sand, Shale	G	H	0	510	
Sand	G	H	510	580	
Sand, Shale	G	S	580	835	
Shale	Red	S	835	855	
Sand, Shale	G	S	855	1815	
Injun Lime	G	H	1815	1910	
Injun Clay ^{Clay}	G	S	1910	1985	
Shale	G	S	1985	2160	
Weir	G	S	2160	2195	
Shale	G	S	2195	3180	
Sand Speechley	G	S	3180	3220	
Shale w/Sand stringers	G	S	3220	4836	
Benson			4836	4846	
Shale			4846	5136	
Sand, Alexander			5136	5170	
Shale			5170	5250	

TD: No measurable gas or oil shows in respective zones

Top Row → 2255'

(Attach separate sheets as necessary)

United Operating Company
Well Operator
By: *[Signature]*
Date: January 27, 1986

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 sand, encountered in the drilling of a well."



DEC 19 1985

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

4) WELL TYPE: A Oil Gas B (If "Gas", Production Undergrad storage Deep Shallow
Elevation: 953' Watershed: ~~WCK-8061X~~ ~~XXXX~~ Meathouse Fork
District: New Milton ~~SNY~~ County: Doddridge Quadrangle: New Milton 7.5'
5) LOCATION: 930 Commerce Square JACK L. TRITTIPO
6) WELL OPERATOR United Operating CODE: 50800 7) DESIGNATED AGENT Jack L. Trittipio
Address 930 Commerce Square Address 930 Commerce Square
Charleston, WV 25301 Charleston, WV 25301
8) OIL & GAS INSPECTOR TO BE NOTIFIED
Name Mike Underwood 9) DRILLING CONTRACTOR:
Address Rt. 2, Box 114 Name I. L. Morris
Salem, WV 26426 Address 1297 N. Lewis Street
Glennville, WV 26351

10) PROPOSED WELL WORK: Drill deeper: Drill deeper: Redrill Stimulate
Plug off old formation Perforate new formation
Other physical change in well (specify) Circulate old 6 5/8" casing
11) GEOLOGICAL TARGET FORMATION, ~~EXX~~ Marcellus 4.37
12) Estimated depth of completed well, 5750 feet
13) Approximate traata depths: Fresh, 40' feet; salt, N/A feet.
14) Approximate coal seam depths: 480 - 85 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	Weight per ft.	New	Used			For drilling	Left in well	Kind
Conductor										
Fresh water	10"		40#		X				290	
Coal	8 1/4"		26#		X				1034	
Intermediate	6 5/8"		20#		X				1802	
Production	4.5"		10.50	X					5750	
Tubing										
Lin...										

Perforations: Top Bottom

OFFICE USE ONLY
DRILLING PERMIT

Permit number 47-017-3480 -D Date December 26 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 December 26, 1987 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond:	Agent:	Plat:	Casing	Fee	WPCP	S&E	Other
	ALD		MX	11217			

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

