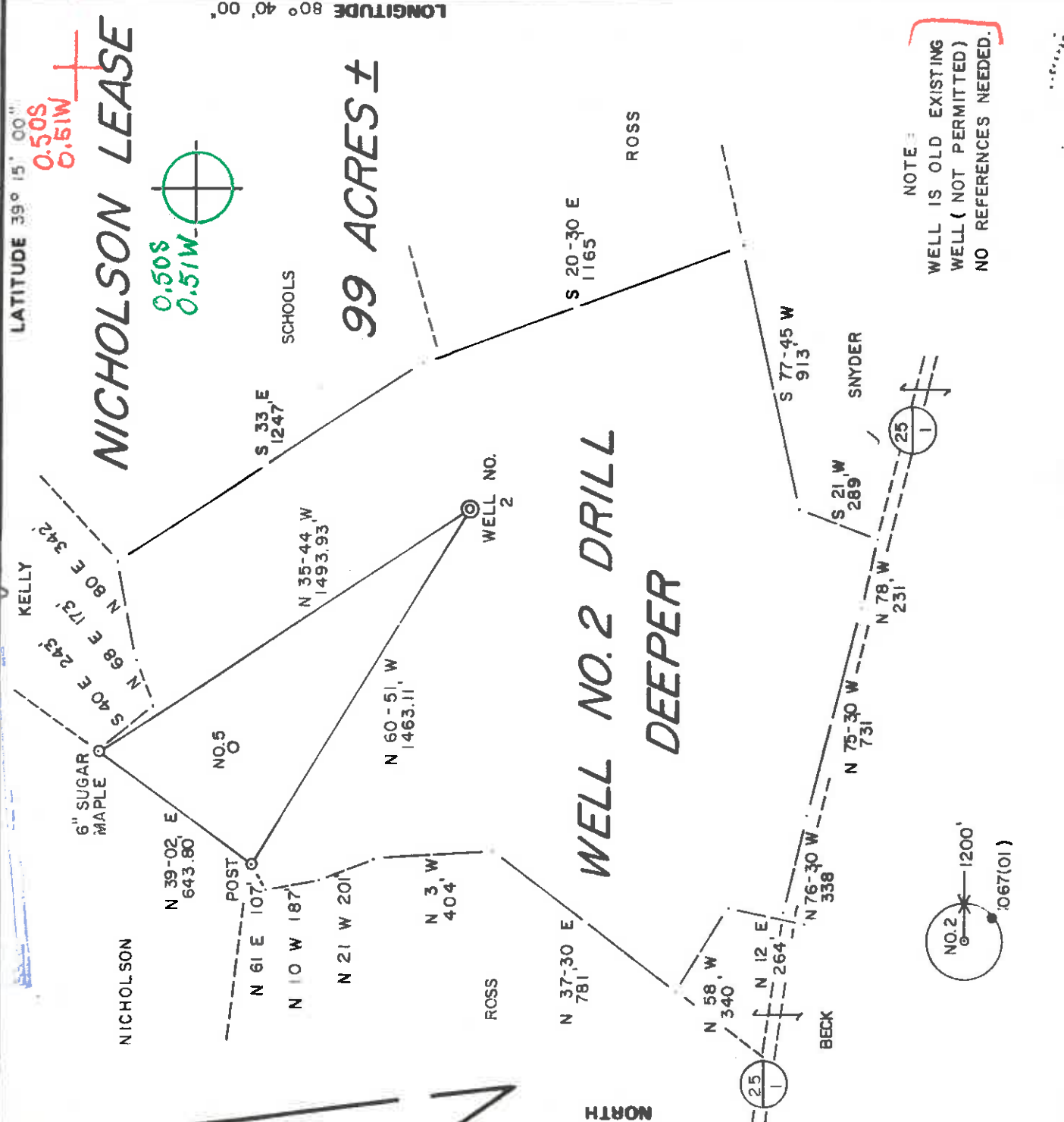


LONGITUDE 80° 40' 00"

LATITUDE 39° 15' 00"

NICHOLSON LEASE  
0.50S  
0.51W

99 ACRES ±



FILE NO. 13-60  
DRAWING NO. \_\_\_\_\_  
SCALE 1" = 500'  
MINIMUM DEGREE OF ACCURACY 1 / 200  
PROVEN SOURCE OF ELEVATION 8 M. ELEV. 844'

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) Gregory A. Smith  
R.P.E. L.L.S. 677

PLACE SEAL HERE

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



DATE JULY 21, 1984  
OPERATOR'S WELL NO. 2  
API WELL NO. 47-017-3347-00  
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 1168' WATER SHED WOLFPEN RUN  
DISTRICT 6 NEW MILTON COUNTY DODDRIDGE  
QUADRANGLE NEW MILTON 7.5.511 Vadis 123 NW1  
SURFACE OWNER CONNIE WEEKLY et. al. ACREAGE 99  
OIL & GAS ROYALTY OWNER CONNIE WEEKLY et. al. LEASE ACREAGE 99

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 ELK ESTIMATED DEPTH 5875'  
WELL OPERATOR UNITED OPERATING CO. DESIGNATED AGENT LYLE COFFMAN  
ADDRESS 899 SUITE 930 COMMERCE SQUARE ADDRESS 527 NORRIS RD.  
CHARLESTON WV 25301 GLENVILLE WV 26351

OWDD 6-6 New Milton North (144)

AUG 27 1984

RECEIVED

NOV 8 - 1984

IV-35 OIL & GAS DIVISION  
(Rev. DEPT. OF MINES)



Date November 5, 1984  
Operator's Well No. #2A  
State of West Virginia  
Department of Mines  
Oil and Gas Division  
Farm Nicholson  
API No. 47 - 017 - 3347DD

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: 1168' Watershed Wolfpen Run  
District: New Milton County Doddridge Quadrangle New Milton 7 5'

COMPANY United Operating Company  
ADDRESS 930 Commerce Square, Charleston, WV  
DESIGNATED AGENT Lyle T. Coffman  
ADDRESS 527 Norris Road, Glenville, WV  
SURFACE OWNER Connie Weekley, et al  
ADDRESS New Milton, WV  
MINERAL RIGHTS OWNER Robert Nicholson  
ADDRESS \_\_\_\_\_  
OIL AND GAS INSPECTOR FOR THIS WORK Mike  
Underwood ADDRESS Box 114, Salem, WV  
PERMIT ISSUED July 20, 1984  
DRILLING COMMENCED 10-18-84  
DRILLING COMPLETED 10-22-84

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

GEOLOGICAL TARGET FORMATION Elk-Alexander.

Depth of completed well 5816' feet Rotary X / Cable Tools \_\_\_\_\_  
Water strata depth: Fresh N/A feet; Salt N/A feet

Coal seam depths: Deepened Well Is coal being mined in the area? NO

OPEN FLOW DATA

Producing formation Elk-Alexander Pay zone depth 5470-5538 fee \_\_\_\_\_  
Gas: Initial open flow No test Mcf/d Oil: Initial open flow No test Bbl/  
Final open flow commingled Mcf/d Final open flow \_\_\_\_\_ Bbl/  
Time of open flow between initial and final tests \_\_\_\_\_ hours

Static rock pressure 1455 psig (surface measurement) after 72 hours shut i

(If applicable due to multiple completion--)

Second producing formation Benson-Riley Pay zone depth 5070-5200 fee \_\_\_\_\_

Gas: Initial open flow No test Mcf/d Oil: Initial open flow No Bbl/  
Final open flow 750 Mcf/d Oil: Final open flow N/A Bbl/

Time of open flow between initial and final tests N/A hours  
Static rock pressure 1455 psig (surface measurement) after 72 hours shut

DEC 03 1984

(Continue on reverse si

Casing Tubing	Used in Drilling in Well	Left in Well	Cement fill up Cu. ft.
Size 20-16 Cond.			
13-10"			
9 5/8			
<del>8 1/4</del>			
<del>8 1/4</del>		1326'	
X6 5/8	2150'	2150'	circulated
5 1/2			
4 1/2	5618	5618	As require by rate 15
3			
2			
Liners used			

Depth 5470-5530 feet

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

*old* 5490 - 5320 30 holes - Fractured 350 bbl. treated  
 water 35,000# Sand  
*Burns* 5170 - 5216 17 holes - 300 bbls. water 25,000# Sand  
*Riley* 5070 - 5080 20 holes - 300 bbls. water 25,000# Sand  
*Balltown* 4696 - 4716 20 holes - 300 bbls. water 25,000# Sand

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS
Base		Deepened	from	2290	
Injun Sand	G	S	2290	2310	
Shale	G	S	2310	2460	
Weir	G	S	2460	2520	
Shale	G	S	2520	2660	
Berea Sand	G	S	2660	2670	
Sand-Siltstone	G	S	2670	3570	
Speechley Sand	G	S	3570	3620	
Shale Siltstone	G	S	3620	4694	
Balltown	G	S	4694	4730	
Shale	G	S	4730	5050	
Riley S.S.	G	I S	5050	5080	
Shale	G	S	5080	5168	
Benson S.S.	G	S	5168	5192	
Shale	G	S	5192	5470	
Alexander S.S.	G	S	5470	5530	
Shale	G	S	5530	5716	
				5816	

5816 new TD  
 5290 old TD  
 3526  
 DD 479

(Attach separate sheets as necessary)

Well Operator  
 By: Joe J. Tipton, President  
 Date: 11/2/84

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  
 strata, encountered in the drilling of a well."



