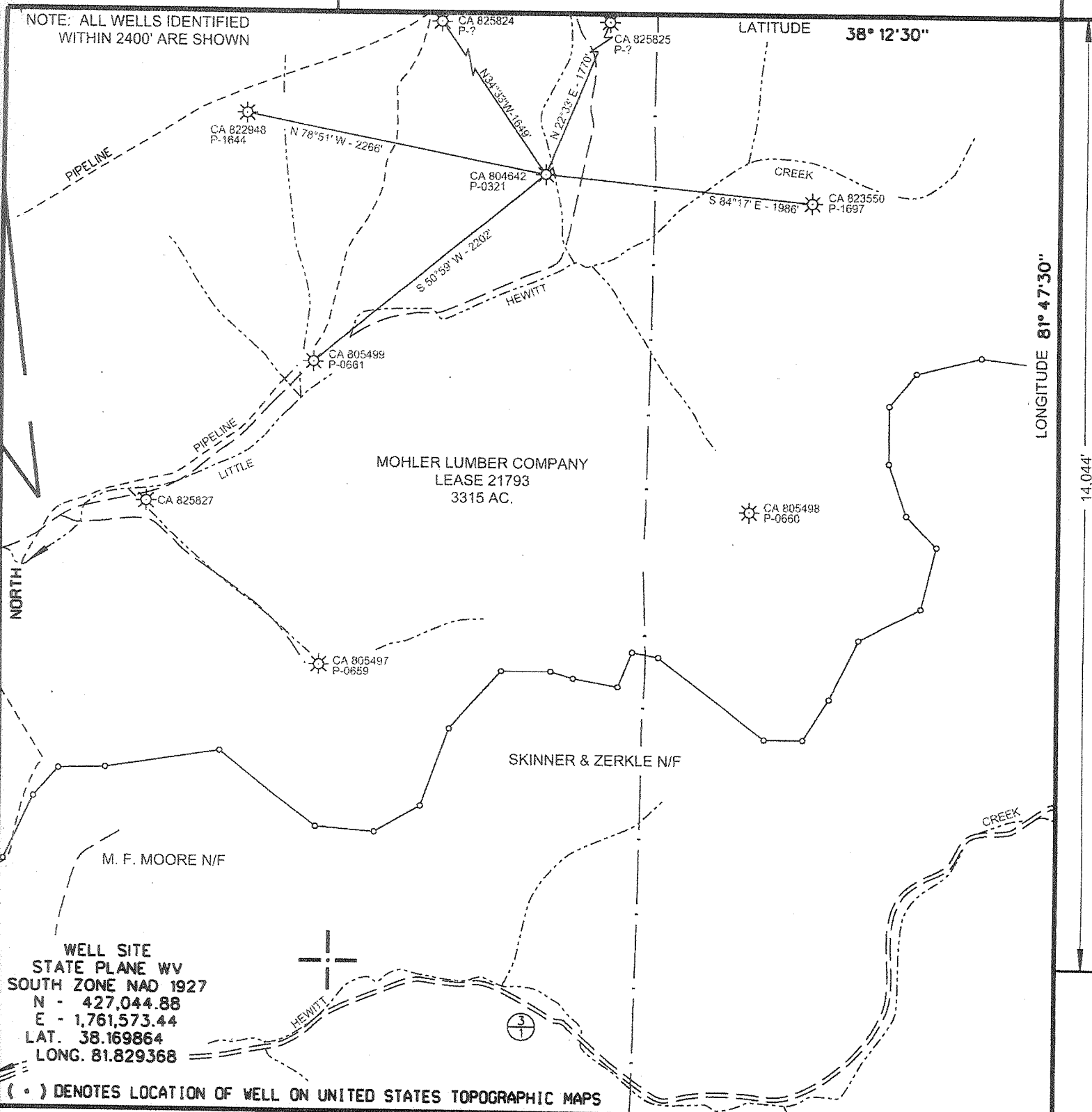


NOTE: ALL WELLS IDENTIFIED WITHIN 2400' ARE SHOWN

LATITUDE 38° 12' 30"

LONGITUDE 81° 47' 30"



WELL SITE
STATE PLANE WV
SOUTH ZONE NAD 1927
N - 427,044.88
E - 1,761,573.44
LAT. 38.169864
LONG. 81.829368

(•) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS

FILE NO. 4642WO.DGN
DRAWING NO. 804642 WO
SCALE 1" = 1000'
MINIMUM DEGREE OF ACCURACY 1:200
PROVEN SOURCE OF ELEVATION OPERATOR'S WELL RECORD

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 ENVIRONMENTAL PROTECTION.
(SIGNED) [Signature]
R.P.E. _____ L.L.S. 647

PLACE SEAL HERE

STATE OF WEST VIRGINIA
DIVISION OF ENVIRONMENTAL PROTECTION
OIL AND GAS DIVISION



DATE APRIL 16, 2008
OPERATOR'S WELL NO. 804642
API WELL NO. 47 005 00321-F
STATE COUNTY PERMIT

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
(IF "GAS,") PRODUCTION X STORAGE DEEP SHALLOW X
LOCATION: ELEVATION 981' WATER SHED LITTLE HEWITT CREEK OF LITTLE COAL RIVER
DISTRICT SCOTT COUNTY BOONE
QUADRANGLE JULIAN, WV 7.5'

SURFACE OWNER MOHLER LUMBER COMPANY ACREAGE 3.315
OIL & GAS ROYALTY OWNER MOHLER LUMBER COMPANY LEASE ACREAGE 3.315
LEASE NO. 21793

PROPOSED WORK: DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE X PLUG OFF OLD FORMATION PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY) WORK OVER

PLUG AND ABANDON CLEAN OUT AND REPLUG
TARGET FORMATION B Lime, Injun ESTIMATED DEPTH 4353'
WELL OPERATOR CHESAPEAKE APPALACHIA, L.L.C. DESIGNATED AGENT MIKE JOHN
ADDRESS P.O. BOX 6070, CHARLESTON, WV 25362 ADDRESS SAME

COUNTY NAME Boone
PERMIT 0321 F

MAY 30 2008

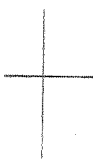
DEEP WELL

38° 15'

LATITUDE 38° 12' 30"

LONGITUDE 81° 47' 30"

81° 45' 00"



7.5 OGIS topo location

7.5' loc	<u>2.57S</u>	15' loc	<u>5.45</u>
	<u>2.05W</u>	(calc.)	<u>4.32</u>

Company _____

Farm _____

Quad Julian 7.5 / Madison 15' NE

County Boone

District Scott

WELL LOCATION MAP

File No. 005 - 321

deep well 6-6 Julian-Madison (236)

WEST VIRGINIA DEPARTMENT OF MINES
OIL AND GAS DIVISION

WELL RECORD

MADISON QUAD.
Permit No. Boo-321

Gas Well

Company	-	United Fuel Gas Co.	CASING & TUBING
Address	-	Box 1256, Charleston, W.Va.	
Farm	-	Mohler Lumber Co.	8 1/2 489' 6"
Acres	-	3000	6-5/8 1421' 8"
Location	-	Little Hewitt Creek	3 2095'
Well No.	-	4642. Elev. 920	
District	-	Scott. County- Boone	PACKER
Surface & Mineral	-	Mohler Lumber Co. Charleston, W.Va.	Kim - Hook Wall
Drilling	-	Commenced- 9/5/36	Size- 3 x 6-5/8
		Completed- 12/5/36	Depth- 2079
Date Shot	-	11/24/36	Coal encountered at 132'
Open Flow	-	16/10ths water in 2" after shot- 5/10ths Merc. in 2"	36" g 287' 48"
Volume	-	296 MCF	
Rock Press.	-	415 lbs. 48 hrs.	
Oil	-		
Fresh Water	-		
Salt Water	-		

*T. D. Keally in the well
corniferous, it is in a lime
above the corn. ? to the
corn. deep enough?
see well #5
309, 311, 322 & 310*

Formation Color ^{Hor} 3 TOP Bottom Result				Formation Color ^{Hor} 3 TOP Bottom Result			
Soil		0	15	Slate & Shells		2083	3000
Sand		15	80	Brown Shale - 441		3000	3038
Slate		80	132	Slate & Shells		3038	3240
Coal		132	135	Brown Shale		3240	3367
Slate		135	160	Slate & Shells		3367	4180
Sand		160	195	Brown Shale		4180	4353
Slate		195	220	Corniferous Lime		4353	
Sand		220	254				
Slate		254	287	Total Depth		4353	461
Coal		287	291				
Lime		291	355	Gas 2758'-2767'	2/10 W 2"	67 M	
Sand		355	425	Gas 2785'-2795'	9/10 W 2"	143 M	
Slate		425	460	Gas 3072'-3081'	6/10 W 2"	116 M	
Lime		460	515	Gas 3373'-3382'	2/10 W 2"	67 M	
Sand		515	622				
Slate		622	668				
Salt Sand		668	792				
Brown Slate		792	797				
Salt Sand		797	891				
Slate		891	961				
Sand		961	1002				
Slate		1002	1004				
Black Lime		1004	1060				
Slate		1060	1168				
Sand		1168	1214				
Slate		1214	1216				
Blue Lime		1216	1225				
Red Rock		1225	1230				
Slate & Shells		1230	1260				
Black Lime		1260	1285				
Red Rock		1285	1290				
Maxon Sand		1290	1305				
Slate & Shell		1305	1324				
Slate		1324	1330				
Little Lime		1330	1365				
Pencil		1365	1370				
Big Lime		1370	1579				
Slate		1579	1584				
Red Injun		1584	1620				
Slate & Shell		1620	1685				
Blue Lime		1685	1775				
Slate & Shells		1775	1968				
Lime Shell SLM		1968	1978				
Slate		1978	1985				
Lime Shell		1985	1998				
Slate Shells		1998	2055				
Brown Shale		2055	2065	Gas 2067'-2075'	5/10 W 2"	- 106 M	
Berea Grit		2065	2083				

4353
920
3433

Deep well