

(+) DENOTES LOCATION OF WELL ON U.S.G.S. TOPOGRAPHIC MAP

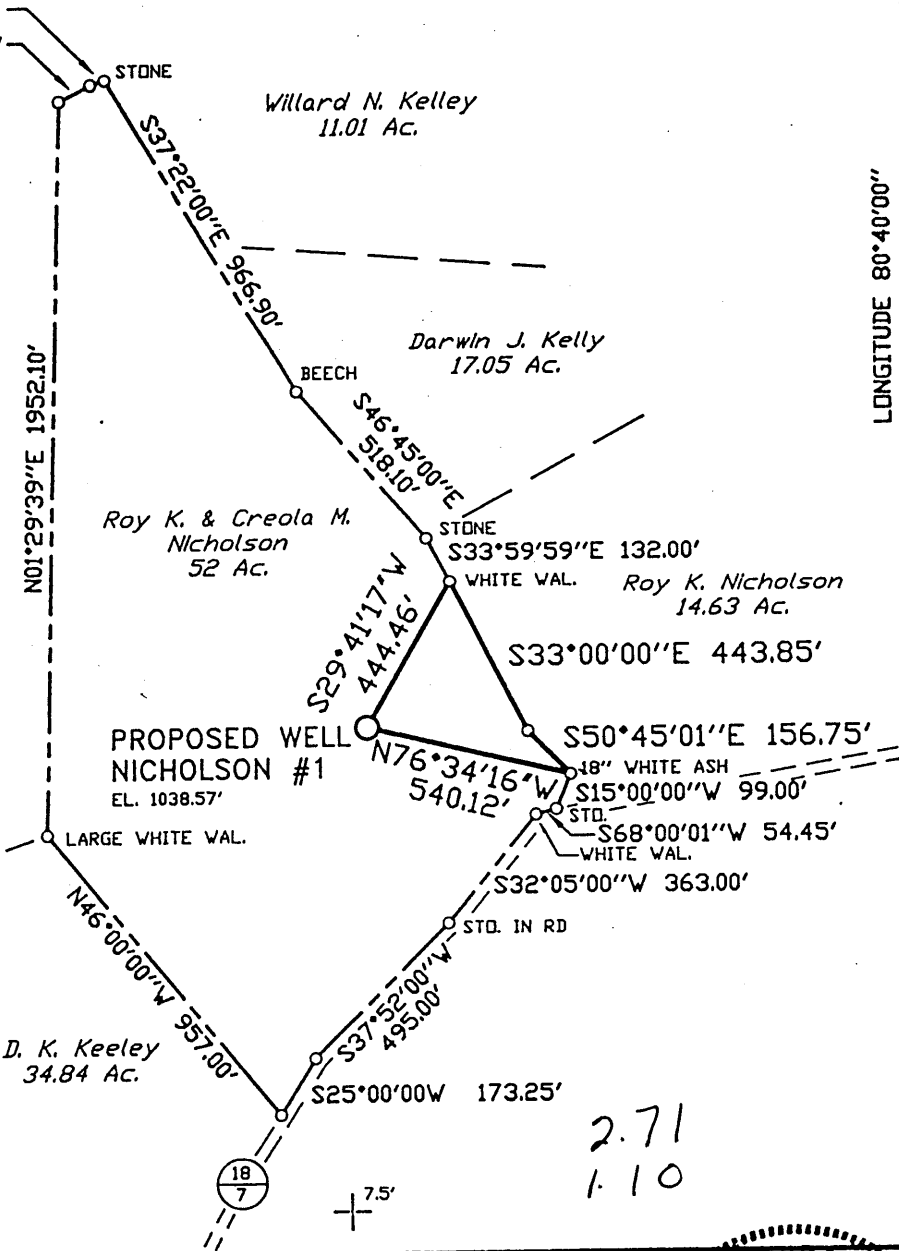
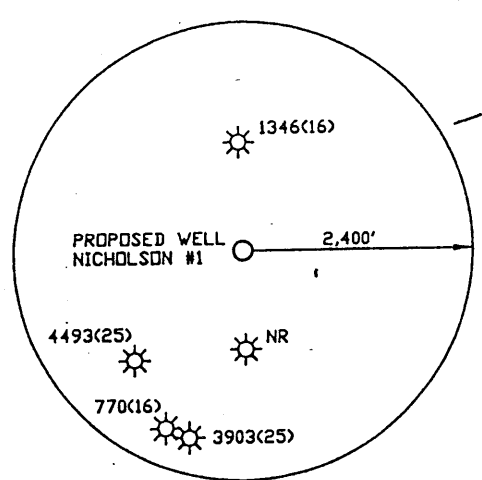
LATITUDE 39°17'30"

LONGITUDE 80°40'00"

WELL REFERENCE TIES

NICHOLSON #1
TO A 20" BLACK WALNUT
S30°36'15"E 145.61'

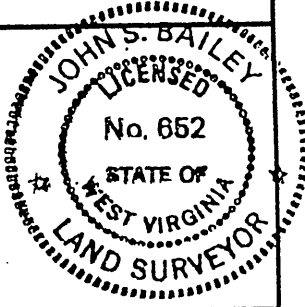
NICHOLSON #1
TO A 12" SYCAMORE
S78°27'10"E 116.70'



MSES consultants, inc.
 FILE NO. 99-209-1
 DRAWN BY SARC
 SCALE 1" = 500'
 MIN. DEGREE OF ACCURACY 1 IN 2500
 PROVEN SOURCE OF ELEVATION:
Road Intersection Co. Rt. 18/7
& private road, Elev. 918.00'

I, THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF, AND THAT IT SHOWS ALL INFORMATION REQUIRED BY LAW AND REGULATIONS ISSUED AND PRESCRIBED BY THE DEPARTMENT OF MINES.

(SIGNED) [Signature]
 R.P.E. _____ L.L.S. 652



STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
OIL AND GAS DIVISION



DATE APRIL 15, 19 99
 OPERATOR'S WELL NO. NICHOLSON #1
 API WELL NO. _____
47 017 - 04523
 STATE COUNTY PERMIT NO.

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
 IF "GAS", PRODUCTION STORAGE DEEP SHALLOW

LOCATION: ELEVATION 1038.57' WATERSHED SUGAR CAMP RUN
 DISTRICT NEW MILTON COUNTY DODDRIDGE
 QUADRANGLE SMITHBURG, WV 7.5' NEAREST TOWN SMITHBURG

SURFACE OWNER ROY K. & CREOLA M. NICHOLSON ACREAGE 52
 OIL & GAS ROYALTY OWNER ROY K. & CREOLA M. NICHOLSON, ET. AL. LEASE ACREAGE 57

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 ALEXANDER ESTIMATED DEPTH 5400'
 WELL OPERATOR INTERSTATE ENERGY DESIGNATED AGENT KENNETH L. POTE
 ADDRESS ROUTE 3 BOX 89-V ADDRESS ROUTE 3 BOX 89-V
WESTON, WV 26452-9620 WESTON, WV 26452-9620

FORM IV-9

COUNTY 017 PERMIT NO. 4523

6-6 99 AUG 23 1999

State of West Virginia
Division of Environmental Protection
Section of Oil and Gas
Well Operator's Report of Well Work

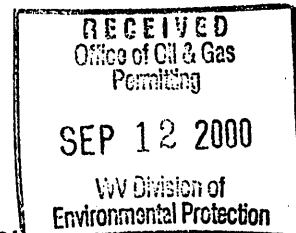
Farm Name: NICHOLSON, ROY & CREOLA Operator Well No.: NICHOLSON #1
LOCATION: Elevation: 1,038.00' Quadrangle: SMITHBURG, WV 7.5'
District: NEW MILTON County: DODDRIDGE
Latitude: 14300 Feet South of 39 Deg. 17 Min. 30 Sec.
Longitude: 5800 Feet West of 80 Deg. 40 Min. 00 Sec

Company: INTERSTATE ENERGY, INC.
RT. 3 BOX 89-V
WESTON, WV 26452-9620
Agent: KENNETH L. POTE

Inspector: MIKE UNDERWOOD
Permit Issued: 08/17/00
Well Work Commenced: 08/14/00
Well Work Completed: 08/23/00
Verbal Plugging
Permission granted on: N/A
Rotary X Cable _____ Rig
Total Depth (Feet) 5442 Feet
Fresh water depths (ft.) 50'

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
11-3/4"	0.0'	0'	
8-5/8"	1637.00'	1637.00'	340 Sks.
4-1/2"		5367.50'	195 Sks.

Salt water depths (ft.) N/A
Is coal being mined in area (Y/N)? N
Coal Depths (ft.): 3-5'



OPEN FLOW DATA

Producing formation: Cedar Creek *alexander?* Pay zone depth (ft.) 5195'-5288'
Gas: Initial open flow: N/A MCF/d Oil: Initial open flow: N/A Bbl/d
Final open flow: 919 MCF/d Final open flow: N/A Bbl/d
Time of open flow between initial and final tests: N/A Hours
Static Rock Pressure: 1410 psig (surface pressure) after 48 Hours

Second producing formation: Benson and 3rd Riley Pay zone depth (ft.) 4822'-4830' (3rd Riley)
Gas: Initial open flow: MCF/d Oil: Initial open flow: Bbl/d
Final open flow: * MCF/d Final open flow: Bbl/d
Time of open flow between initial and final tests: Hours
Static Rock Pressure: * psig (surface pressure) after * Hours

*Comingled w/Deeper Zones.

NOTE: ON BACK OF THIS FORM PUT THE FOLLOWING: 1). DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. 2). THE WELL LOG WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE.

For:
INTERSTATE ENERGY, INC.
By: Kenneth L. Pote, President
Date: September 11, 2000

SEP 15 2000

0000 4523

Details of Perforated Intervals, Fracturing or Stimulating, Physical Change

Alexander 5195'-5288'; 17 Holes; 500 Sk. Sand; 269 Bbls.
 Benson 4922'-4927'; 10 Holes; 462 Sk. Sand; 206 Bbls.
 Riley 4822'-4830'; 10 Holes; 300 Sk. Sand; 122 Bbls.

Well Log -

Record of Regular Formations

Formation	Color	Hard or Soft	Top	Bottom	Remarks
Clay	Red	Soft	0'	03'	
Coal	Black	Soft	03'	05'	
Shale	Gray	Soft	05'	15'	
Sand and Shale	Gray	Medium	15'	40'	
RedRock	Red	Soft	40'	50'	1" Stream Water at 50'
Shale and RedRock	Red-Gr	Soft	50'	75'	
Sand and Shale	Gray	Medium	75'	106'	
Sand	Gr-Wh	Hard	106'	180'	
Sand, Shale & RR	Gr-Red	Medium	180'	200'	
Sand	Gray	Hard	200'	230'	
Sand and Shale	Gray	Medium	230'	690'	
Shale and RedRock	Gr-Red	Medium	690'	763'	
Sand	Gray	Hard	763'	800'	
Sand and Shale	Gray	Medium	800'	880'	
Shale and RedRock	Gr-Red	Soft	880'	1135'	
Sand	Gr-Wh	Hard	1135'	1181'	
Sand and Shale	Gray	Medium	1181'	1298'	
Sand	White	Hard	1298'	1425'	
Sand, Shale & RR	Gr-Red	Medium	1425'	1470'	
Sand	Wh-Gr	Hard	1470'	1515'	
Sand and Shale	Gray	Medium	1515'	1593'	
Sand	Gr-Wh	Hard	1593'	1645'	
Sand and Shale	Gray	Medium	1645'	1800'	
Lime and Shale	Gray	Medium	1800'	1845'	
Big Lime	Gray	Hard	1845'	1935'	
Injun	Gray	Hard	1935'	2028'	
Shale	Gray	Soft	2028'	2190'	
Sand	Gray	Medium	2190'	2220'	
Sand and Shale	Gray	Medium	2220'	2270'	
Sand	Gray	Hard	2270'	2285'	
Sand and Shale	Gray	Medium	2285'	2380'	
Shale and RedRock	Gr-Red	Medium	2380'	2395'	
Sand	White	Hard	2395'	2420'	
Shale and RedRock	Gr-Red	Medium	2420'	2440'	
Sand and Shale	Gray	Medium	2440'	2556'	
Gordon	Tan	Hard	2556'	2894'	
Fifth Sand	Brown	Medium	2894'	2923'	
Sand and Shale	Gray	Soft	2923'	3228'	
Warren	Gray	Medium	3228'	3254'	
Sand and Shale	Gray	Medium	3254'	3469'	
Sand	Tan	Medium	3469'	3487'	
Sand and Shale	Gray	Medium	3487'	3940'	
Speechley	Gray	Medium	3940'	3955'	
Sand and Shale	Gray	Medium	3955'	4368'	

Formation	Color	Hard or Soft	Top	Bottom	Remarks
Bradford	Gray	Medium	4368'	4595'	
Sand and Shale	Gray	Medium	4595'	4607'	
Riley	Gray	Medium	4607'	5030'	
Sand	Gray-Tan	Medium	5030'	5050'	
Shale and Sand	Gray	Medium	5050'	5220'	
Sand	Gray	Medium	5220'	5240'	
Sand and Shale	Gray	Medium	5240'	5442'	
Total Depth			5442'		