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

N



N60°23'15"E 94.76'
MARKED STONE (FND.)
S24°59'25"E 234.40'

PROPOSED WELL NICHOLSON #2
EL. 1171.5'

WELL REFERENCE TIES

NICHOLSON #2 TO A 6" MAPLE
N50°37'42"W 133.79'
NICHOLSON #2 TO A 20" HY.
S52°26'48"W 141.13'

Willard M. Kelley
11.01 AC.

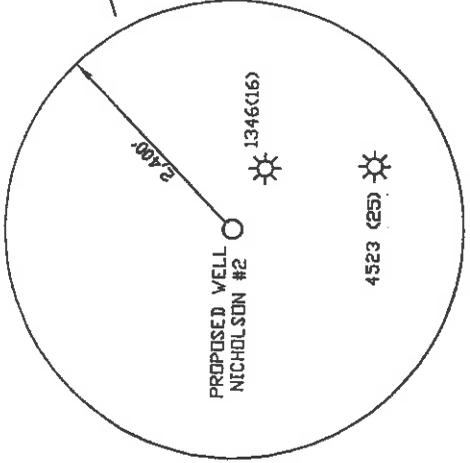
Darwin J. Kelly
17.05 AC.

Roy K. & Creola M. Nicholson
52 AC.

James D. Ross
59.98 AC.

D. K. Keeley
34.84 AC.

1.674
2.9



LATITUDE 39°17'30"

LONGITUDE 80°40'00"

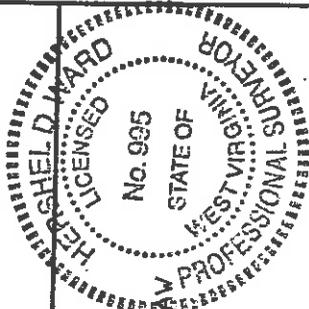
12.950'

6,710'

HSES consultants, Inc.

FILE NO. 01-133-1
DRAWN BY: SARC/KLA
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) *Hushel D. Ward*



R.P.E. L.I.S. 995

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION



DATE MARCH 27, 20 01
OPERATOR'S WELL NO. NICHOLSON #2
API WELL NO.

47 017 STATE 04587 COUNTY PERMIT NO.

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL

IF "GAS", PRODUCTION STORAGE DEEP SHALLOW

LOCATION: ELEVATION 1171.5' WATERSHED SUGAR CAMP RUN
DISTRICT NEW MILION

QUADRANGLE SMITHBURG, WV 7.5' COUNTY DODDRIDGE
SURFACE OWNER ROY K. & CREOLA M. NICHOLSON NEAREST TOWN SMITHBURG

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

TARGET FORMATION ALEXANDER CLEAN OUT AND REPLUG ESTIMATED DEPTH 5400'

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

017
COUNTY

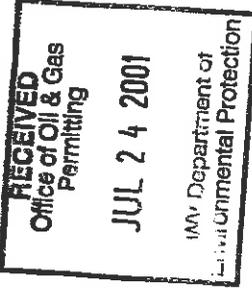
4587
PERMIT NO.

6-6 99

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

S-11
Reviewed KLP

Farm Name: Roy K. Nicholson, et ux Operator Well No.: Nicholson #2
Location: Elevation: 1171.5' Quadrangle: Smithburg, WV 7.5'
District: New Milton County: Doddridge
Latitude: 12950 Feet South of 39 Deg. 17 Min. 30 Sec.
Longitude: 6710 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: 05/16/01
Well Work Commenced: 06/22/01
Well Work Completed: 07/11/01
Verbal Plugging
Permission granted on: _____
Rotary Cable Rig _____ 5525 Feet
Total Depth (Feet)
Fresh water depths (ft.) 106; 343'
Salt water depths (ft.) N/A
Is coal being mined in area (Y/N)? N
Coal Depths (ft.): N/A

Casing & Tubing	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
11-3/4"	132.0'	132.0'	75 Sks.
8-5/8"	1595.0'	1595.0'	340 Sks.
4-1/2"		5420.35'	492 Sks.

OPEN FLOW DATA

Producing formation: Cedar Creek Pay zone depth (ft.) 5268'-5333'
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: 1700 psig (surface pressure) after 72 Hours
Second producing formation: Benson and Bradford Pay zone depth (ft.) 4988'-4992'; 4386'-4544'
Gas: Initial open flow: N/A MCF/d Oil: Initial open flow: N/A Bbl/d
Final open flow: * 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 pressure) after * Hours

*Co-mingled w/First Stage.

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: July 20, 2001

Dodd 4587

AUG 03 2001

Interstate Energy, Inc.
 Nicholson #2
 47-017-04587

Details of Perforated Intervals, Fracturing or Stimulating, Physical Change
 Cedar Creek 5268-5333; 14 Holes: 40,300# 20/40 Sand; 133 Bbls. S/L Fluid; 495,000 SCF Nitrogen
 Benson 4988-4992; 10 Holes: 45,600# 20/40 Sand; 137 Bbls. S/L Fluid; 363,000 SCF Nitrogen
 Bradford 4386-4544; 10 Holes: 40,000# 20/40 Sand; 102 Bbls. S/L Fluid; 316,000 SCF Nitrogen

Well Log

Record of Regular Formations

Formation	Color	Hard or	Top	Bottom	Remarks
Fill	Mixed	Soft	0'	8'	
Shale and Clay	Mixed	Soft	8'	15'	
Sand, Shale & RedRock	G-Red	Soft	15'	25'	
Sand	Lt Gray	Medium	25'	30'	
Sand and Shale	G-WH	Medium	30'	152'	1/4" Steam of Water @ 106'
Sand	White	Hard	152'	301'	
Sand and Shale	G-Br	Medium	301'	630'	1/4" Steam of Water @ 343'
RedRock	Red	Soft	630'	638'	
Sand and Shale	G-WH	Medium	638'	937'	
Sand	Gray	Hard	937'	1007'	
Sand and Shale	G-Br	Medium	1007'	1131'	
Sand	G-WH	Hard	1131'	1225'	
Sand	Gray	Hard	1225'	1317'	
Sand and Shale	Gray	Medium	1317'	1441'	
Sand	White	Hard	1441'	1508'	
Shale and RedRock	G-Red	Soft	1508'	1516'	
Sand and Shale	G-WH	Medium	1516'	1923'	Gas Ck. @ 1689 - N/S
Little Lime	Tan	Hard	1923'	1938'	
Shale	Gray	Soft	1938'	1956'	
Sand	White	Hard	1956'	1988'	
Big Lime	Lt Gray	Hard	1988'	2080'	Gas Ck. @ 2000' - N/S
Big Injun	Lt Br	Hard	2080'	2093'	
Sand and Shale	Dk Gr	Medium	2093'	2320'	Gas Ck @ 2124' - 8/10 - 1" w/w Gas Ck @ 2272' - 20/10 - 1" w/w
Weir	Gray	Medium	2320'	2340'	
Shale	Dk Gr	Medium	2340'	2532'	Gas Ck @ 2402' - 20/10 - 1" w/w
Berea	Gray	Soft	2532'	2579'	
Shale	Gray	Soft	2579'	2735'	
Gordon	Brown	Soft	2735'	2805'	
Shale	Gray	Soft	2805'	3035'	Gas Ck @ 3022' - Odor
Fifth Sand	Gray	Medium	3035'	3083'	
Sand and Shale	Lt Gr	Soft	3083'	3410'	
Warren	Dk Gr	Medium	3410'	3500'	Gas Ck @ 3425' - 2/10 - 2" w/w Gas Ck @ 3547' - 2/10 - 1" w/w Gas Ck @ 3763' - 2/10 - 1" w/w
Sand and Shale	Lt Gr	Medium	3500'	3785'	
Speechley	Dk Gr	Medium	3785'	3820'	
Shale	Gray	Soft	3820'	4110'	
Baltown	Dk Gr	Soft	4110'	4180'	
Sand and Shale	Lt Gr	Soft	4180'	4785'	Gas Ck @ 4196' - 2/10 - 1" w/w Gas Ck @ 4390' - Oil Odor
Riley			4785'	4878'	
Sand and Shale	Gray	Soft	4878'	5045'	
Benson	Lt Br	Soft	5045'	5050'	
Sand and Shale	M Gray	Soft	5050'	5205'	Gas Ck @ 5091' - 4/10 - 1" w/w
Alexander	Lt Gr	Medium	5205'	5305'	Gas Ck @ 5280' - 10/10 - 1" w/w
Cedar Creek	Gray	Medium	5305'	5370'	Gas Ck @ 5370' - 20/10 - 1" w/w
Sand and Shale	Gray	Soft	5370'	5525'	Gas Ck @ 5525' - 6/10 - 1" w/w Gas Ck @ Collars - 8/10 - 1" w/w
Total Depth			5525'		