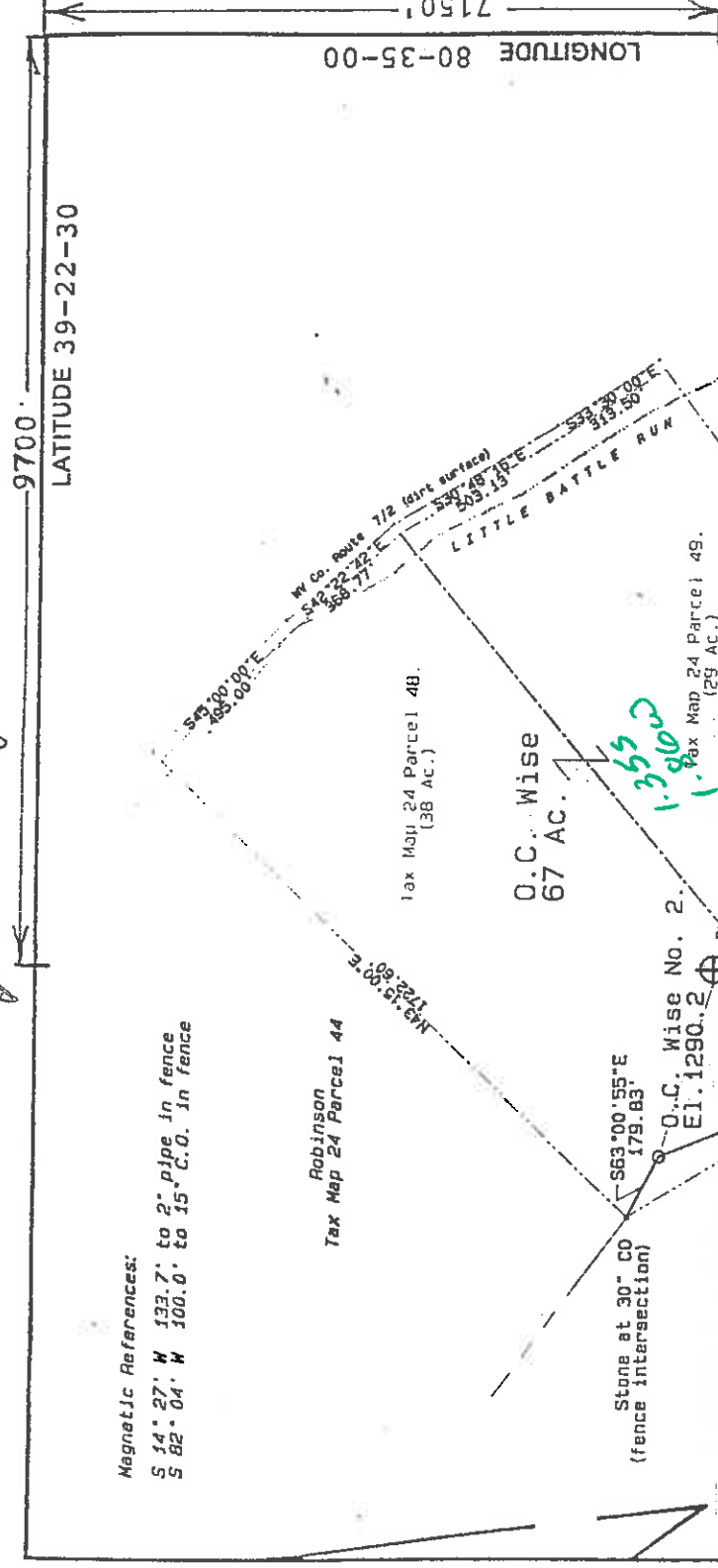


Magnetic References:

S 14° 27' W 133.7' to 2" pipe in fence  
S 82° 04' W 100.0' to 15" C.O. in fence



NORTH

9700' LATITUDE 39-22-30

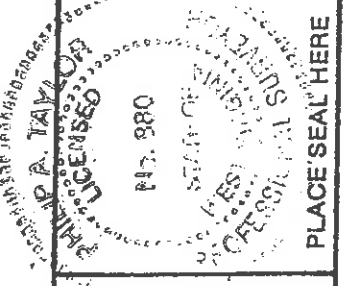
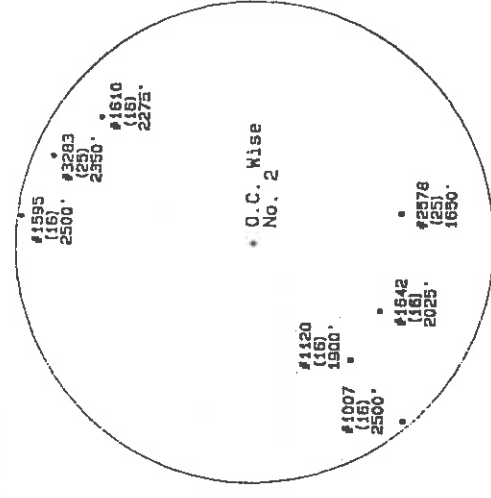
LONGITUDE 80-35-00

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

FILE NO. \_\_\_\_\_  
DRAWING NO. \_\_\_\_\_  
SCALE 1" = 500'  
MINIMUM DEGREE OF ACCURACY 1 in 200  
PROVEN SOURCE OF ELEVATION O.C. Wise No. 1 998'

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 ENERGY (SIGNED) Charles A. Taylor R.P.E. L.L.S. 880

#-WV permit number, ie. active, depth, etc. 1650 = distance from proposed location



PLACE SEAL HERE

STATE OF WEST VIRGINIA  
DEPARTMENT OF ENERGY  
OIL AND GAS DIVISION



DATE \_\_\_\_\_, 18 \_\_\_\_\_  
OPERATOR'S WELL NO. O.C. Wise 2  
API WELL NO. \_\_\_\_\_

WELL TYPE: OIL  GAS  LIQUID INJECTION  WASTE DISPOSAL   
(IF "GAS,") PRODUCTION  STORAGE  DEEP  SHALLOW   
LOCATION: ELEVATION 1290.2 WATERSHED Little Battle Run  
DISTRICT McClellan COUNTY Doddridge  
QUADRANGLE Salem 7.5'  
SURFACE OWNER Nancy L. Delaney, Harley G. Wise  
OIL & GAS ROYALTY OWNER H.G. Wise (et al.) LEASE ACREAGE 38/29

PROPOSED WORK: DRILL  CONVERT  DRILL DEEPER  REDRILL  FRACTURE OR STIMULATE  PLUG OFF OLD FORMATION  PERFORATE NEW FORMATION  OTHER PHYSICAL CHANGE IN WELL (SPECIFY) 6-6 99

PLUG AND ABANDON  CLEAN OUT AND REPLUG   
TARGET FORMATION GORDON ESTIMATED DEPTH 3200'  
WELL OPERATOR Interstate Drilling, Inc. DESIGNATED AGENT Kenneth L. Pote  
ADDRESS Rt 3 Box 89V Weston, WV. 26452

COUNTY NAME Dodd PERMIT 4486

STATE 47 COUNTY 017 PERMIT 04486

WR-35

04-Sep-98  
API # 47-17-04486

State of West Virginia  
Division of Environmental Protection  
Section of Oil and Gas

Well Operator's Report of Well Work

Farm name: STARKEY, NANCY L Operator Well No.: WISE #2

LOCATION: Elevation: 1,290.00 Quadrangle: SALEM

District: MCCLELLAN County: DODDRIDGE  
Latitude: 7150 Feet South of 39 Deg. 22Min. 30 Sec.  
Longitude 9700 Feet West of 80 Deg. 35 Min. 0 Sec.

Company: INTERSTATE DRILLING, INC.  
RT 3 BOX 89-V  
WESTON, WV 26452-9620

Agent: KENNETH L. POTE

Inspector: MIKE UNDERWOOD  
Permit Issued: 09/04/98  
Well work Commenced: 09/18/98  
Well work Completed: 09/24/98  
Verbal Plugging  
Permission granted on: N/A  
Rotary Cable Rig  
Total Depth (feet) 3247'  
Fresh water depths (ft) 45'

Salt water depths (ft) N/A

Is coal being mined in area (Y/N)? N  
Coal Depths (ft): N/A

OPEN FLOW DATA

Producing formation Fifty Foot and Gordon Pay zone depth (ft) 2877'-3058'  
Gas: Initial open flow N/A MCF/d Oil: Initial open flow -- Bbl/d  
Final open flow 712 MCF/d Final open flow -- Bbl/d  
Time of open flow between initial and final tests N/A Hours  
Static rock Pressure 340 psig (surface pressure) after 48 Hours  
2346'-2375'  
Second producing formation Big Injun Pay zone depth (ft) 2298'-2310'  
Gas: Initial open flow N/A 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 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 DRILLING, INC.

By: *[Signature]*  
Date: October 15, 1998

DODD 4486

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
11-3/4"	120.6'	120.6'	70 Sk.
8-5/8"	1474'	1474'	275 Sk.
4-1/2"		3115.5'	246 Sk.

COAL LOG  
OCT 14 1998  
POTENTIAL

Interstate Drilling, Inc.  
 Wise #2  
 47-017-04486

Details of Perforated Intervals, Fracturing or Stimulating, Physical Change

Fifty Foot and Gordon  
 2877'-3058': 15 Holes; 21, 100# 20/40; Cross Link Gel; 124 Bbls. S/L Fluid  
 Pocono  
 2346'-2375': 12 Holes; 5,000# 80/100; 15,430# 20/40; 60 Quality Foam;  
 96 Bbls. S/L Fluid  
 Big Injun  
 2298'-2310': 32 Holes; 5,000# 80/100; 20,000# 20/40; 60 Quality Foam;  
 128 Bbls. S/L Fluid

Well Log

Record of Regular Formations

Formation	Color	Hard or Soft	Top	Bottom	Remarks
KB-GL	Yellow	Medium	0'	10'	
Loam	Red	Soft	10'	15'	
Red Rock	Gray	Medium	25'	40'	
Sand and Shale	Gr&Wh	Hard	40'	170'	Hole damp @ 45'
Sand	Gray	Medium	170'	190'	
Shale	Gr&Wh	Hard	190'	245'	
Sand	Gr&Rd	Medium	245'	255'	
Red Rock & Shale	Gray	Hard	255'	265'	Hole damp @ 265'
Sand	Gray	Medium	265'	315'	
Sand and Shale	Rd&Gr	Medium	315'	484'	Soap pump on @ 336'
Shale & Red Rock	Gr&Rd	Medium	484'	646'	
Sand & Red Rock	Red	Soft	646'	651'	
Red Rock	Rd&Gr	Soft	651'	716'	
Shale and Sand	White	Hard	716'	765'	
Sand & Shale	Gray	Medium	765'	893'	
Red Rock	Red	Soft	893'	920'	
Sand and Shale	Gray	Medium	920'	1115'	
Shale and Red Rock	Gr&Rd	Medium	1115'	1160'	
Sand and Shale	Gray	Medium	1160'	1195'	
Sand	Gray	Hard	1195'	1275'	
Sand and Shale	Gray	Medium	1275'	1295'	
Sand	Gray	Hard	1295'	1340'	
Sand and Shale	Gray	Medium	1340'	1390'	
Shale and Red Rock	Gr&Rd	Medium	1390'	1530'	
Sand and Shale	Gr&Rd	Medium	1530'	1640'	
Shale and Red Rock	Gr&Rd	Medium	1640'	1762'	
Sand	Gray	Hard	1762'	1825'	Hole damp @ 1780', dusting.
Sand and Shale	Gray	Medium	1825'	2198'	
Big Lime	Gray	Hard	2198'	2260'	
Injun	Gray	Hard	2260'	2350'	Gas Ck. @ 2295' - Odor Gas Ck. @ 2313' - N/S - Odor Gas Ck. @ 2344' - N/S - Odor
Shale	Gray	Soft	2350'	2356'	
Sand	Gray	Hard	2356'	2388'	
Sand and Shale	Gray	Medium	2388'	2529'	
Sand	Gray	Medium	2529'	2545'	
Sand and Shale	Gray	Medium	2545'	2905'	Gas Ck. @ 2627' - N/S - Odor
Sand	Gray	Medium	2905'	2970'	
Sand and Shale	Gray	Medium	2970'	3030'	Gas Ck. @ 3030' - 6/10 - 1" w/w
Sand	Gray	Medium	3030'	3045'	
Sand and Shale	Gray	Medium	3045'	3247' TD	Gas Ck. @ 3092' - 10/10 - 1" w/w Gas Ck. @ Collars - 8/10 - 1" w/w