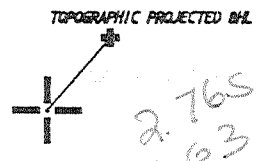
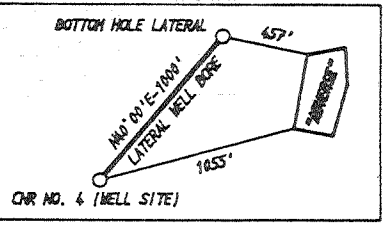
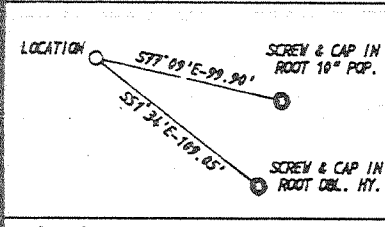


REFERENCES 1"=100'

DETAIL BHL 1"=1000'



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

FILE NO. CNRNO. 4REV. DGN
 DRAWING NO. CNR NO. 4 REV.
 SCALE 1"=500'
 MINIMUM DEGREE OF ACCURACY 1:2500
 PROVEN SOURCE OF ELEVATION USGS BM ELEV. 642'

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) [Signature]
 R.P.E. _____ L.L.S. 647

PLACE SEAL HERE

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



DATE JULY 21, 1998
 OPERATOR'S WELL NO. CNR NO. 4 - REVISED
 API WELL NO.

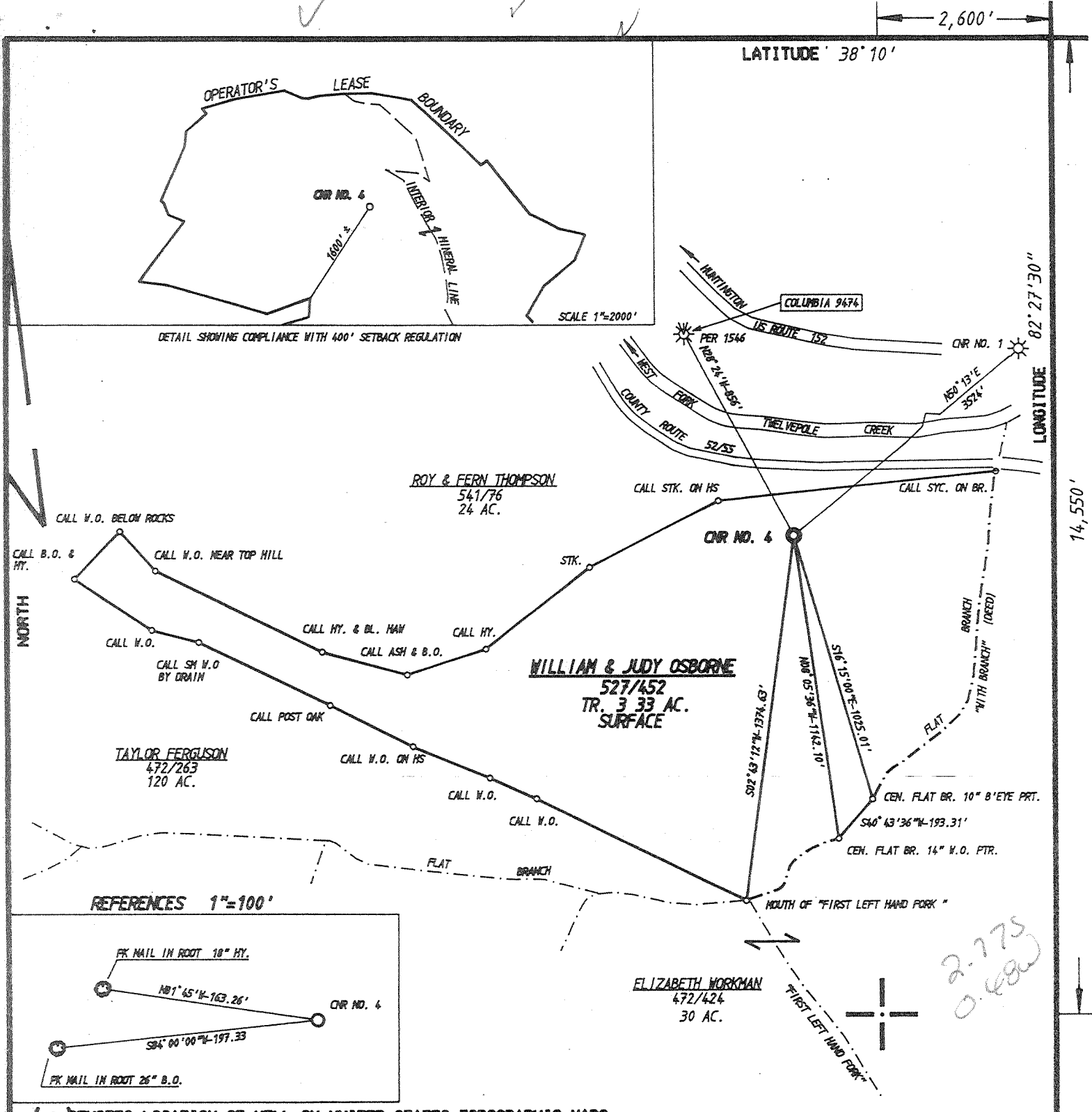
WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
 (IF "GAS,") PRODUCTION X STORAGE DEEP X SHALLOW
 LOCATION: ELEVATION 868' WATER SHED WEST FORK OF TWELVEPOLE CREEK
 DISTRICT LINCOLN COUNTY WAYNE
 QUADRANGLE WAYNE, WV 7.5'
 SURFACE OWNER DWIGHT & TERINA BLANKENSHIP ACREAGE 24
 OIL & GAS ROYALTY OWNER COLUMBIA NATURAL RESOURCES, INC. LEASE ACREAGE 1385

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

PLUG AND ABANDON CLEAN OUT AND REPLUG
 TARGET FORMATION BIG SIX ESTIMATED DEPTH 4020'
 WELL OPERATOR CABOT OIL & GAS CORPORATION DESIGNATED AGENT JOHN ABSHIRE
 ADDRESS PO BOX 260 LICK CK. RD., DANVILLE, WV 25053 ADDRESS SAME

DEEP WELL

COUNTY NAME WAYNE
 PERMIT 1933



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

FILE NO. CNR#4, DGN
 DRAWING NO. CNR NO. 4
 SCALE 1"=500'
 MINIMUM DEGREE OF ACCURACY 1:2500
 PROVEN SOURCE OF ELEVATION USGS BM ELEV. 642'

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) [Signature]
 R.P.E. _____ L.L.S. 647

PLACE SEAL HERE

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



DATE JANUARY, 1998
 OPERATOR'S WELL NO. CNR NO. 4
 API WELL NO. 47 099 01933
 STATE 47 COUNTY 099 PERMIT 01933

WELL TYPE: OIL X GAS X LIQUID INJECTION WASTE DISPOSAL
 (IF "GAS,") PRODUCTION X STORAGE DEEP X SHALLOW
 LOCATION: ELEVATION 749' WATER SHED _____
 DISTRICT LINCOLN COUNTY WAYNE
 QUADRANGLE WAYNE, WV 7.5'

WEST FORK OF TWELVEPOLE CREEK
 COUNTY NAME WAYNE

SURFACE OWNER WILLIAM & JUDY OSBORNE ACREAGE 33
 OIL & GAS ROYALTY OWNER COLUMBIA NATURAL RESOURCES, INC. LEASE ACREAGE 1385

PROPOSED WORK: DRILL X 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 BIG SIX ESTIMATED DEPTH _____
 WELL OPERATOR CABOT OIL & GAS CORPORATION DESIGNATED AGENT JOHN ABSHIRE
 ADDRESS PO BOX 260 LICK CK. RD. DANVILLE, WV 25053 ADDRESS SAME

WAYNE COUNTY NAME
 WAYNE
 PERMIT 1933

9-AM 8800

DEEP WELL

WR-35

Date: 5-Jan-99
API # 47-099-01933

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

Farm name: Blankenship Dwight & Terina Operator Well No.: CNR #4R

LOCATION: Elevation: 868' Quadrangle: Wayne
District: Lincoln County: Wayne
Latitude: 14,750 feet South of 38 DEG. 10 MIN. 0 SEC.
Longitude: 3,300 feet West of 82 DEG. 27 MIN. 30 SEC.

Company: Cabot Oil & Gas Corporation
400 Fairway Drive: Suite 400
Coraopolis, PA 15108-4308

Agent: John Abshire
Inspector: David Belcher
Permit Issued: 8/12/98
Well Work Commenced: 8/30/98
Well Work Completed: 10/20/98
Verbal Plugging
Permission granted on:
Rotary X Cable Rig
Total Depth (feet) *4056' (TVD),
3912' (TVD),
5085' (MD)
Fresh Water Depths (ft) 60', 200'
Salt Water Depths (ft) 784', 1051', 1145'

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill up Cu. Ft.
20"	30'	30'	
13-3/8"	484.15'	484.15'	380 sks Class "A"
9-5/8"	1657'	1657'	150 sks Class "A"
7"	3262'	3262'	260 sks latex

Is coal being mined in area (Y / N)? _____

Coal Depths (ft) _____

*Original vertical wellbore was plugged back to 3329'; Whipstock was set and kicked off

OPEN FLOW DATA

Producing formation	<u>Big Six</u>	Pay zone depth (ft)	<u>3899'-3912'(TVD)</u> <u>4202'-5085' (MD)</u>
Gas: Initial open flow	<u>231</u> MCF/d	Oil: Initial open flow	<u>N/A</u> Bbl/d
Final open flow	<u>800</u> MCF/d	Final open flow	<u>N/A</u> Bbl/d
Time of open flow between initial and final tests	<u>6</u> Days		
Static rock pressure	<u>1200</u> psig (surface pressure after	<u>48</u> Hours	

Second producing formation	_____	Pay zone depth (ft)	_____
Gas: Initial open flow	_____	Oil: Initial open flow	_____
Final open flow	_____	Final open flow	_____
Time of open flow between initial and final tests	_____	Hours	_____
Static rock pressure	_____	psig (surface pressure after	_____
		Hours	_____

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: CABOT OIL & GAS CORPORATION

By: Ray Rudnicki, Jr.
Date: 1-12-99

RECEIVED
DIVISION OF OIL & GAS
JAN 14 1999

WAY 1933

JAN 25 1999

OPEN FLOW DATA

Well was drilled to a true vertical depth of 4056'. Open hole logs were run to determine thickness of the Big Six formation. A cement plug was pumped from 4056'-3329' with a mechanical whipstock placed on top of cement plug to kickoff and drill horizontally through the Big Six formation. Hit Big Six @ 3899' (TVD), 4202' (MD), drilled horizontally 883' for a final measured depth of 5085' and a final TVD of 3912'. Ran 2-7/8" tubing to 3399' and turned well inline without stimulation of the Big Six.

FORMATION	TOP	BOTTOM	REMARKS
Sand/Shale	0	892	
Salt Sand	892	1263	
Shale	1263	1325	
Little Lime	1325	1364	
Big Lime	1364	1570	
MacCraday	1570	1617	
Injun	1617	1648	
Shale	1648	2138	
Berea	2138	2277	
Shale	2277	3234	
Corniferous	3234	3899	
Big Six	3899	3950	
Shale	3950	4056 - TD	

TVD off of the vertical open hole logs.