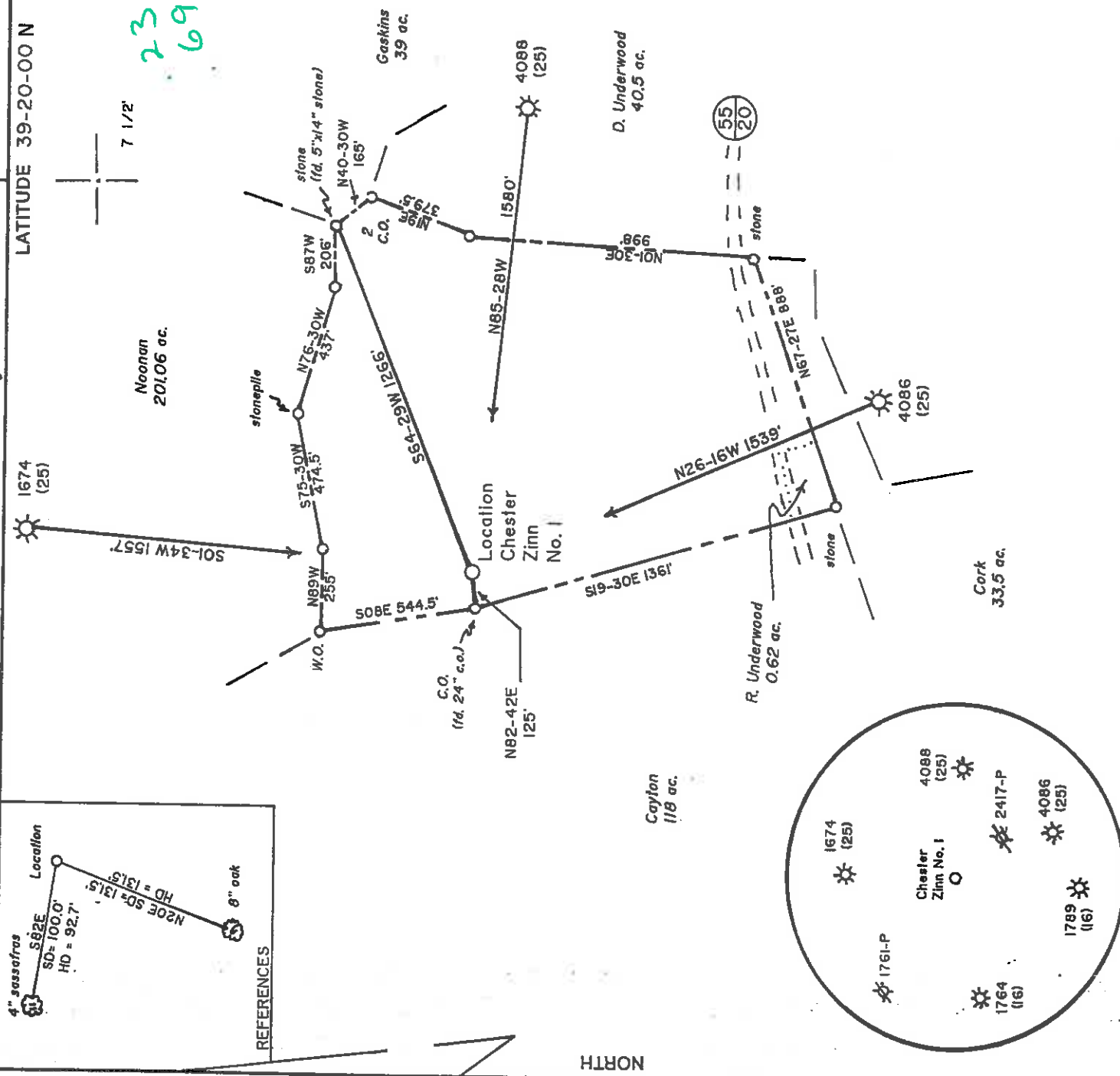


REFERENCES



23  
69

LONGITUDE 80-35-00 W

LATITUDE 39-20-00 N

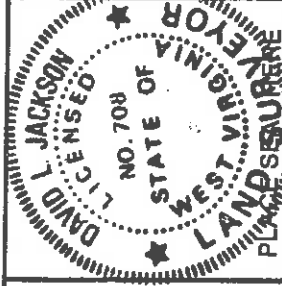
3625'

7 1/2'

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

FILE NO. \_\_\_\_\_  
 DRAWING NO. 1  
 SCALE 1" = 500'  
 MINIMUM DEGREE OF ACCURACY 1 in 200  
 PROVEN SOURCE OF ELEVATION BM 4755'  
 SE of Location: Elev. 912'

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) David S Jackson  
 R.P.E. \_\_\_\_\_ L.I.S. 708



STATE OF WEST VIRGINIA  
 Division of Environmental Protection  
 OFFICE OF OIL AND GAS

DATE April 23, 19 99  
 OPERATOR'S WELL NO. Chester Zinn  
 API WELL NO. No. 1

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

LOCATION: ELEVATION 1246 WATERSHED Lynn Camp  
 DISTRICT McClellan COUNTY Doddridge

SURFACE OWNER Jerry Junior Davis  
 OIL & GAS ROYALTY OWNER Chester Zinn

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

LEASE NO. 631200 ACREAGE 44.9  
 LEASE ACRES 44.9

PLUG AND ABANDON  CLEAN OUT AND REPLUG   
 TARGET FORMATION Benson ESTIMATED DEPTH 5000 5500'  
 WELL OPERATOR Petraleum Development Corp. DESIGNATED AGENT Eric R. Stearns  
 ADDRESS P.O. Box 26 Bridgeport, WV 26330 ADDRESS P.O. Box 26 Bridgeport, WV 26330

Dodd COUNTY NAME

4513 PERMIT

WR-35

U.S. DEPARTMENT OF  
COMMERCE  
BUREAU OF OCEANOGRAPHY

FEB 28 2000

U.S. DEPARTMENT OF  
ENVIRONMENTAL PROTECTION

17-May-99  
API #: 47-017-04513

K

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

Farm Name: DAVIS, JERRY JUNIOR  
Location: Elevation: 1246.00  
District: MCCLELLAN  
Latitude: 1225 Feet SOUTH of 39 Deg. 20 Min. 0 Sec.  
Longitude: 3625 Feet WEST of 80 Deg. 35 Min. 0 Sec.

Operator Well No.: CHESTER ZINN #1  
Quadrangle: SALEM  
County: DODDRIDGE

Company: PETROLEUM DEVELOPMENT CORPORATION  
P.O. BOX 26, 103 EAST MAIN STREET  
BRIDGEPORT, WV 26330

Agent: ERIC R. STEARNS  
Inspector: MIKE UNDERWOOD  
Permit Issued: 17-MAY-1999  
Well Work Commenced: 30-SEP-1999  
Well Work Completed: 09-OCT-1999  
Verbal Plugging  
Permission Granted On:  Rig  
Rotary X Cable   
Total Depth: 5518 feet  
Fresh Water Depths (feet): 40  
Salt Water Depths (feet):  
NONE REPORTED

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill Up (cu. ft.)
11 3/4	173	173	90 SK
8 5/8	1819	1819	446 SK
4 1/2	5409	5409	670 SK

Is coal being mined in area (Y/N)? N  
Coal Depths (feet): NONE REPORTED

OPEN FLOW DATA

Producing formation: BENSON Pay zone depth: 5266-5268 feet  
Gas: Initial open flow: - Mcf/d Oil: Initial open flow: - Bbl/d  
Final open flow: 291 Mcf/d Final open flow: - Bbl/d  
Time of open flow between initial and final tests: 72 hours  
Static rock pressure: 900 psig (surface pressure) after 72 hours

Second producing formation: GORDON & INJUN Pay zone depth: 3612-3656 & 2304-2307 feet  
Gas: Initial open flow: - Mcf/d Oil: Initial open flow: - Bbl/d  
Final open flow: COMINGLED 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

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: PETROLEUM DEVELOPMENT CORPORATION  
By: *[Signature]*  
Date: 2/28/00

DODD 4513

MAR 3 2000

CHESTER ZINN #1  
47-017-4513

FORMATION	PERFORATIONS	BBL WATER	20/40 SAND	SCF N2	AIR BPM
BENSON	12 (5266' - 5268')	404	44,000	460	25
GORDON	12 (3012' - 3056')	297	30,000	300	22
INJUN	13 (2304' - 2307')	248	31,000	310	22

FORMATION	W E L L		REMARKS: FRESH & SALT WATER, COAL, OIL & GAS
	TOP FEET	BOTTOM FEET	
KB - GL sand, shale, RR	0	10	HOLE DAMP @40'
Little Lime sand, shale	2170	2170	
Big Lime sand, shale	2182	2205	
Big Lime sand, shale	2205	2250	
Keener sand, shale	2250	2255	
Keener sand, shale	2289	2289	
Big Injun sand, shale	2289	2292	gas chk @ 2341' NO SHOW
Weir sand, shale	2382	2382	gas chk @ 2557' NO SHOW
Gantz sand, shale	2548	2548	gas chk @ 2958' NO SHOW
50 ft sand, shale	2626	2710	gas chk @ 3202' NO SHOW
30 ft sand, shale	2710	2756	gas chk @ 3603' 28/10 THRU 1" W/W
Gordon sand, shale	2756	2842	gas chk @ 3911' 40/10 THRU 1" W/W
4th sand, shale	2842	2900	gas chk @ 4500' 104/10 THRU 1" W/W
5th sand, shale	2900	2920	gas chk @ 4562' 102/10 THRU 1" W/W
Bayard sand, shale	2920	2956	gas chk @ 5301' 80/10 THRU 1" W/W
Elizabeth sand, shale	2956	3024	gas chk @ TD 44/10 THRU 1" W/W
Warren sand, shale	3024	3072	
Balltown sand, shale	3072	3110	
Bradford sand, shale	3110	3206	
Riley sand, shale	3206	3280	
Benson sand, shale	3280	3306	
Balltown sand, shale	3306	3314	
Bradford sand, shale	3314	3329	
Riley sand, shale	3329	3400	
Benson sand, shale	3400	3535	
Balltown sand, shale	3535	3580	
Bradford sand, shale	3580	3632	
Riley sand, shale	3632	3642	
Benson sand, shale	3642	4188	
Balltown sand, shale	4188	4200	
Bradford sand, shale	4200	4300	
Riley sand, shale	4300	4910	
Benson sand, shale	4910	5205	
Balltown sand, shale	5205	5270	
Bradford sand, shale	5270	5310	
Riley sand, shale	5310	5518	

5490

Logger TD

Drillers TD