

Long. - 81° 21' 05.9"

5,175'

NOTES

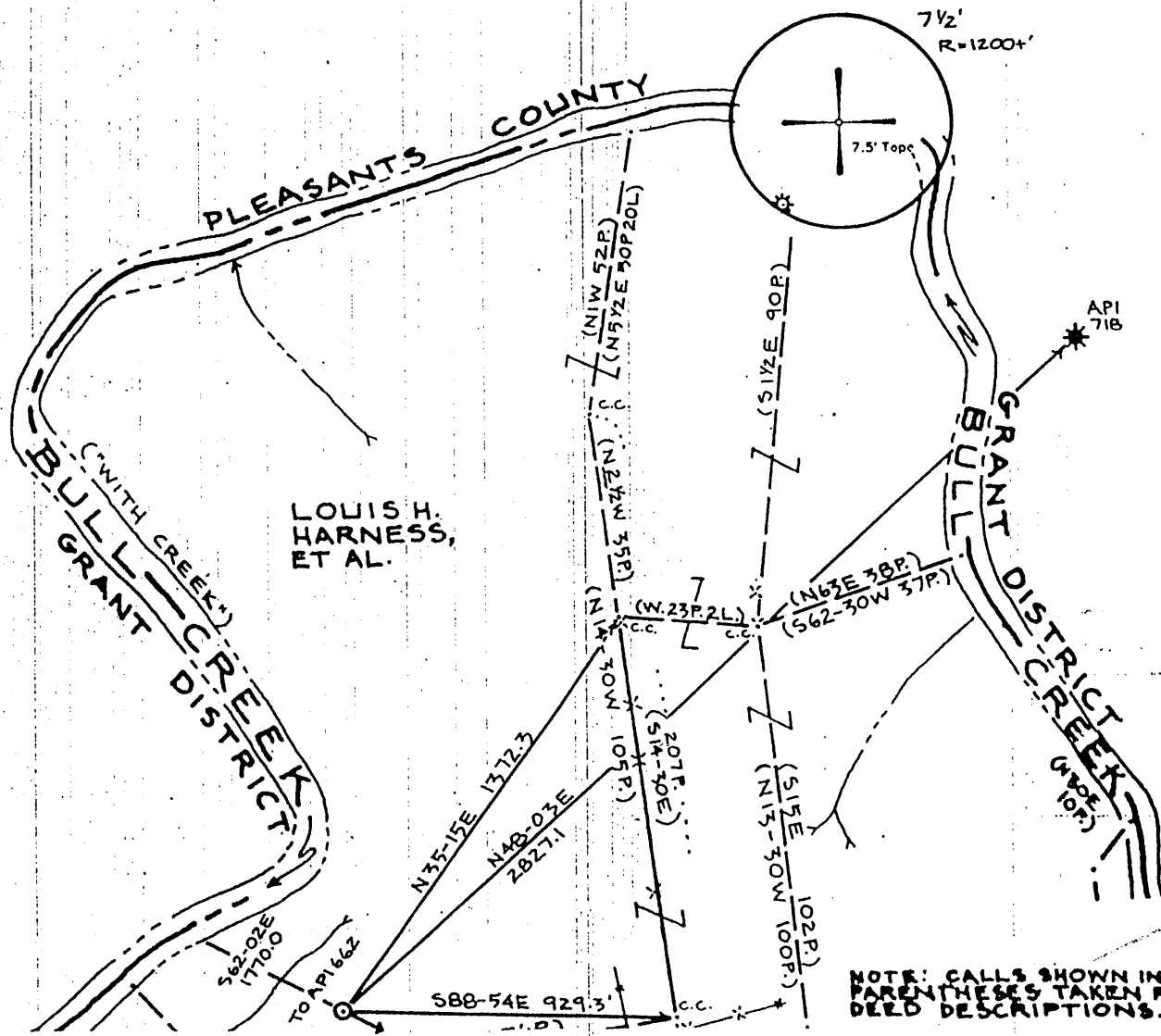
LATITUDE 39° 20' 00"

C.C. "CALCULATED COR" - FROM FEN. LOCATION & DEED INFO. - NO PHYSICAL EVIDENCE FOUND -

1 - The survey drawing shown hereon is from the original drilling permit plat dated 2/13/85 by William Ambrose. Current plat was re-printed and shows updated surface owner names and Latitude and Longitude information.

2 - Well Latitude and Longitude established by scaling from Willow Island 7.5' Quadrangle.

LOCATION TIES: 8" PINE 853-49E 130.5' 10" W.O. N31-45E 173.6'



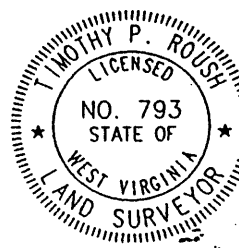
NOTE: CALLS SHOWN IN PARENTHESES TAKEN FROM DEED DESCRIPTIONS.

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

FILE NO: 109-13
DRAWING NO:
SCALE: 1" = 500'
MINIMUM DEGREE OF ACCURACY: 1 in 200
PROVEN SOURCE OF ELEVATION: WVDEP Records

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 MINES.

(SIGNED) *Timothy P. Roush*
TIMOTHY P. ROUSH PS 793



WEST VIRGINIA
Division of Environmental Protection
Office of Oil and Gas
1356 Hansford St.
Charleston, West Virginia 25301



DATE: July 2, 2001
FARM: Harness NO. 6
API WELL NO. 47-107-01363F

FRAC CANCELLED

WELL TYPE: OIL GAS LIQUID INJECTION ___ WASTE DISPOSAL ___
(IF "GAS") PRODUCTION STORAGE ___ DEEP ___ SHALLOW
LOCATION: ELEVATION 698' WATERSHED Bull Creek
DISTRICT Union COUNTY Wood
QUADRANGLE Willow Island 7.5'

SURFACE OWNER Bill Anderson ACREAGE 90 Ac.
OIL & GAS ROYALTY OWNER Bill Anderson LEASE ACREAGE 215 Ac.
LEASE NO. _____

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 Speechly-Balltown ESTIMATED DEPTH 3600'
WELL OPERATOR GasSearch Corporation DESIGNATED AGENT Noble Zickfoose
ADDRESS *13 Industrial Boulevard ADDRESS *13 Industrial Boulevard
Parkersburg, WV 26101 Parkersburg, WV 26101

LONGITUDE 81° 20' 00"

Lat. - 39° 19' 17.9"

4,250'

WOOD 1363 CANV.

Long. - 81° 21' 05.9"

5,175'

NOTES

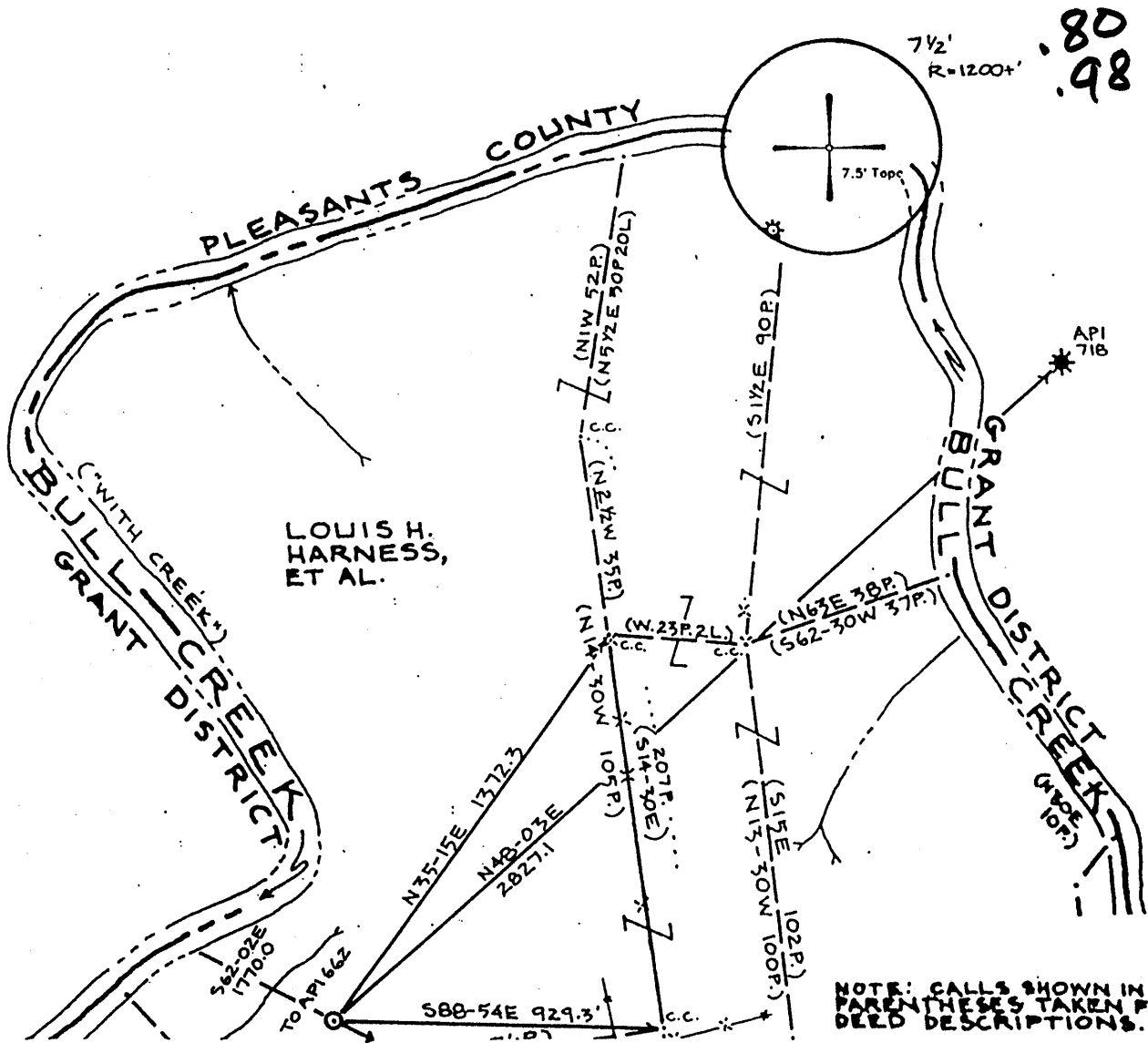
LATITUDE 39° 20' 00"

C.C. - "CALCULATED COR." - FROM FEN. LOCATION & DEED INFO. - NO PHYSICAL EVIDENCE FOUND -

1 - The survey drawing shown hereon is from the original drilling permit plat dated 2/13/85 by William Ambrose. Current plat was re-printed and shows updated surface owner names and Latitude and Longitude information.

LOCATION TIES: 8" PINE 553-49E 1305' 10" W.O. N31-45E 173.6'

2 - Well Latitude and Longitude established by scaling from Willow Island 7.5' Quadrangle.



LONGITUDE 81° 20' 00"

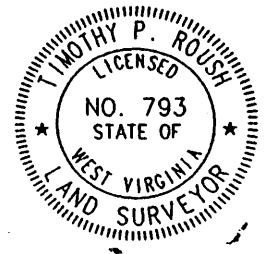
Lat. - 39° 19' 17.9"

4,250'

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

FILE NO. 109-13 DRAWING NO. SCALE 1" = 500' MINIMUM DEGREE OF ACCURACY 1 in 200 PROVEN SOURCE OF ELEVATION WVDEP Records

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 MINES. (SIGNED) TIMOTHY P. ROUSH PS 793



WEST VIRGINIA Division of Environmental Protection Office of Oil and Gas 1356 Hansford St. Charleston, West Virginia 25301



DATE July 2, 2001 FARM Harness NO. 6 API WELL NO. 47-107-01363F

WELL TYPE: OIL X GAS X LIQUID INJECTION WASTE DISPOSAL LOCATION: ELEVATION 698' WATERSHED Bull Creek DISTRICT Union COUNTY Wood QUADRANGLE Willow Island 7.5' SURFACE OWNER Bill Anderson ACREAGE 90 Ac. OIL & GAS ROYALTY OWNER Bill Anderson LEASE ACREAGE 215 Ac. PROPOSED WORK: DRILL 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 Speechly-Balltown ESTIMATED DEPTH 3600' WELL OPERATOR GasSearch Corporation DESIGNATED AGENT Noble Zickefoose ADDRESS *13 Industrial Boulevard Parkersburg, WV 26101 ADDRESS *13 Industrial Boulevard Parkersburg, WV 26101

BUL 20 2001

FORM IV-6

WOOD 1363 F

C.C. "CALCULATED COR." - FROM FEN.
 LOCATION & DEED INFO.
 -NO PHYSICAL EVIDENCE FOUND-

LOCATION TIES:
 8" PINE S53-49E 1305'
 10" W.O. N31-45E 173.6'

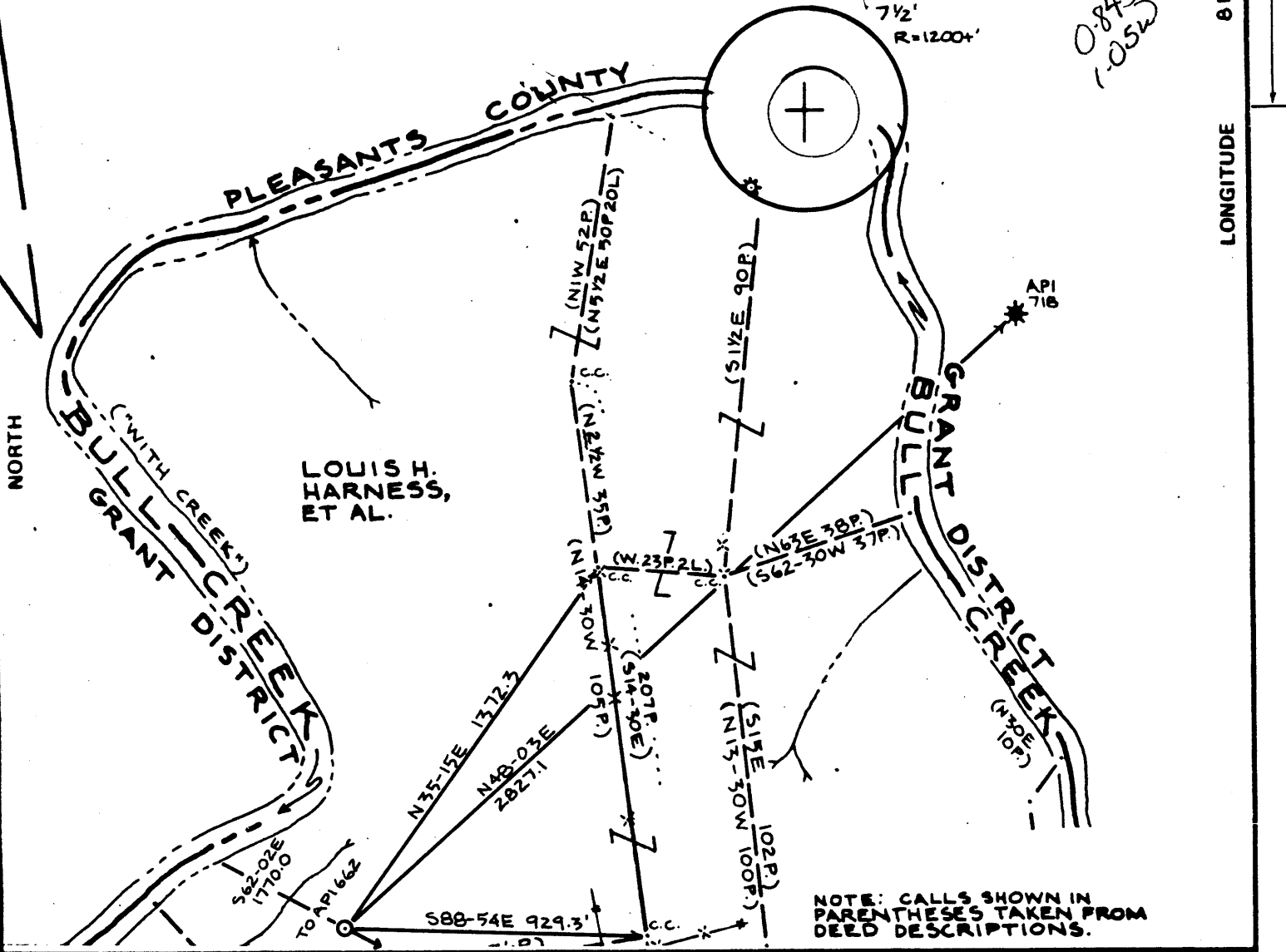
CODE _____ CARD _____ PLOT _____

LATITUDE 39° 20'

LONGITUDE 81° 20' 00'

5450'

4340'



FILE NO. 85115
 DRAWING NO. _____
 SCALE 1" = 500'
 MINIMUM DEGREE OF ACCURACY 1:200
 PROVEN SOURCE OF ELEVATION USGS MONUMENT "791"

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 MINES.
 (SIGNED) William Ambrose
 R.P.E. _____ L.L.S. 568

A.D. 664
 PLACE SEAL HERE

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS
 FORM IV-6 (8-78)



DATE 13 FEBRUARY, 19 85
 OPERATOR'S WELL NO. HARNESS #6
 API WELL NO. 47-107-1363
 STATE COUNTY PERMIT

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION

WELL TYPE: OIL GAS LIQUID INJECTION _____ WASTE DISPOSAL _____
 (IF "GAS") PRODUCTION STORAGE _____ DEEP _____ SHALLOW _____
 LOCATION: ELEVATION 698' WATER SHED BULL CREEK
 DISTRICT UNION 8 COUNTY WOOD
 QUADRANGLE WILLOW ISLAND Marietta 15' SC8
 SURFACE OWNER LOUIS H. HARNESS, ET AL 686 ACREAGE 073 90
 OIL & GAS ROYALTY OWNER _____ LEASE ACREAGE 215
 LEASE NO. _____
 PROPOSED WORK: DRILL CONVERT _____ DRILL DEEPER _____ REDRILL _____ FRACTURE OR STIMULATE _____ PLUG OFF OLD FORMATION _____ PERFORATE NEW FORMATION _____ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____

MAR 25 1985

PLUG AND ABANDON _____ CLEAN OUT AND REPLUG _____
 TARGET FORMATION DEVONIAN SHALE ESTIMATED DEPTH 5000'
 WELL OPERATOR GUYAHOCA EXPLORATION DESIGNATED AGENT ROGER HUNTER
 ADDRESS ROUTE 1 MARIETTA OHIO 45750 ADDRESS P.O. BOX 1386 CHARLESTON WEST VIRGINIA 25325

RECEIVED
DEC 16 1985



DIVISION OF OIL & GAS
DEPT. OF ENERGY

State of West Virginia
DEPARTMENT OF ENERGY
Oil and Gas Division

Date 12/13/85
Operator's Well No. #6
Farm Harness
API No. 47 - 107 - 1363

WELL OPERATOR'S REPORT
OF
DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

WELL TYPE: Oil x / Gas x / Liquid Injection / Waste Disposal /
(If "Gas," Production / Underground Storage / Deep / Shallow x /)

LOCATION: Elevation: 698 Watershed Bull Creek
District: Union County Wood Quadrangle Willow Island

COMPANY Cuyahoga Exp. & Dev. Corp.
ADDRESS Route #1, Marietta, OH 45750
DESIGNATED AGENT Roger Hunter
ADDRESS P.O.Box 1386, Charleston, WV 25325
SURFACE OWNER Lulu Harness et al
ADDRESS Highland Ave., Williamstown, WV 26187
MINERAL RIGHTS OWNER Lulu Harness et al
ADDRESS Highland Ave., Williamstown, WV 26187
OIL AND GAS INSPECTOR FOR THIS WORK Mike
Route #2, Box 135
Underwood ADDRESS Salem, WV 26426
PERMIT ISSUED 3-19-85
DRILLING COMMENCED 5-7-85
DRILLING COMPLETED 5-12-85
IF APPLICABLE: PLUGGING OF DRY HOLE ON
CONTINUOUS PROGRESSION FROM DRILLING OR
REWORKING. VERBAL PERMISSION OBTAINED
ON N/A

Casing & Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft.
Size 20-16 Cond.			
13-10"			
9 5/8	206'	206'	206'
8 5/8			
7	1920'	1920'	1000'
5 1/2			
4 1/2	3823'	3823'	1903'
3			
2			
Liners used			

GEOLOGICAL TARGET FORMATION Devonian Shale Depth 3836' feet
Depth of completed well 3836' feet Rotary x / Cable Tools
Water strata depth: Fresh N/A feet; Salt 1661' feet
Coal seam depths: N/A Is coal being mined in the area? No

OPEN FLOW DATA

Producing formation Berea Pay zone depth 2086-2110 feet
Gas: Initial open flow N/A Mcf/d Oil: Initial open flow N/A Bbl/d
Final open flow 102 Mcf/d Final open flow 1 Bbl/d
Time of open flow between initial and final tests 24 hours
Static rock pressure 425 psig (surface measurement) after 24 hours shut in
(If applicable due to multiple completion--)
Second producing formation Gordon Pay zone depth 2450-2484 feet
Gas: Initial open flow N/A Mcf/d Oil: Initial open flow N/A Bbl/d
Final open flow N/A Mcf/d Oil: Final open flow N/A Bbl/d
Time of open flow between initial and final tests N/A hours
Static rock pressure N/A psig (surface measurement) after N/A hours shut in

TESTED WITH ABOVE FORMATION

(Continue on reverse side)

DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC.

PERFORATIONS: 6' 6holes, 2082' - 2088', 6' 6holes 2097' - 2103', 12' 12 holes 2469'-2481'

.39 SHOT HSC GOEX.
 FRAC:
 125 sacks 20/40 sand
 HCL 15% - 1000 gal
 Pot Ash
 Cla-Chek 25 gal
 Pen Surf 25 gal
 Unislik 40 gal
 Dura Surf 30 gal
 NDL-100 30 gal
 Breakdown 1200 psi
 bbl per min 44
 treat psi 2050
 total fluid 57,090.

Berea

Gordon

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fresh and salt water, coal, oil and gas
Red Rock & Clay			0'	800'	
First Salt Sand			990'	1021'	
Second Salt Sand			1170'	1253'	
Third Salt Sand			1298'	1342'	
Maxton	<i>GER + P</i>		1422'	1479'	
Big-Injun- Squaw			1540'	1782'	
Weir			1833'	1855'	
Welsh Stray			1972'	2029'	
Berea			2087'	2109'	
DEVONIAN SHALE			2109'		
Gantz			2204'	2208'	
Thirty Foot			2317'	2353'	
Gordon			2452'	2487'	
Speechly/Balltown			2510'	2540'	
TOTAL DEPTH				3836'	
<i>from nearby log:</i>					
	<i>top</i>	<i>thickness</i>			
<i>Apr Dawidiff</i>	<i>2109</i>	<i>1250</i>			
<i>Mar Huron</i>	<i>3359</i>				
				<i>Huron @ TD</i>	

(Attach separate sheets as necessary)

Cuyahoga Exploration & Development Corp.

Well Operator

By: *Timothy Huber* Field Coordinator

Date: _____

Note: Regulation 2.02(i) provides as follows:
 "The term 'log' or 'well log' shall mean a systematic detailed geological record of all formations, including ... encountered in the drilling of a well."

March 19,

RECEIVED

85
MAR 14 1985



1) Date: February 26, 19 85
 2) Operator's Well No. Harness #6
 3) API Well No. 47 - 107 - 1363
 State _____ County _____ Permit _____

STATE OF WEST VIRGINIA
 OIL & GAS DIVISION DEPARTMENT OF MINES, OIL AND GAS DIVISION
DEPT. OF MINES APPLICATION FOR A WELL WORK PERMIT

- 4) WELL TYPE: Oil Gas / Gas /
 B (If "Gas", Production / Underground storage _____ / Deep _____ / Shallow /)
- 5) LOCATION: Elevation: 698' Watershed: Bull Creek
 District: Union County: wood Quadrangle: Willow Island
- 6) WELL OPERATOR: Cuyahoga Exp. & Dev. Corp. 7) DESIGNATED AGENT: Roger Hunter
 Address: Route #1 Address: P. O. Box 1386
Marietta, OH 45750 Charleston, WV 25325
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED: Name Mike Underwood 9) DRILLING CONTRACTOR:
 Address: Route 2, Box 135 Name not yet determined
Salem, WV 26426 Address _____
- 10) PROPOSED WELL WORK: Drill / Drill deeper _____ / Redrill _____ / Stimulate /
 Plug off old formation _____ / Perforate new formation /
 Other physical change in well (specify) _____
- 11) GEOLOGICAL TARGET FORMATION, Devonian Shale/Benson Formation
 12) Estimated depth of completed well, 5,000 feet
 13) Approximate strata depths: Fresh, 100 feet; salt, 1,500 feet.
 14) Approximate coal seam depths: not applicable Is coal being mined in the area? Yes _____ / No /

15) CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SPECIFICATIONS				FOOTAGE INTERVALS		CEMENT FILL-UP OR SACKS (Cubic feet)	PACKERS
	Size	Grade	Weight per ft.	New	Used	For drilling		
Conductor	11 3/4		38.0	X		60'	60'	
Fresh water	9 5/8		36.0	X		200'	200'	
Coal								
Intermediate	7		20.0	X		2500'	2500'	
Production	4.5		10.5	X		5000'	5000'	
Tubing								
Liners		19						

Handwritten notes in table:
 - CTS by Mike 1505
 - 300 sacks
 - 300 sacks
 - by Mike 15.011

RECEIVED
 DEPT. OF MINES
 OIL & GAS DIVISION
 SIZES
 DEPT. OF MINES
 PACKERS

OFFICE USE ONLY
 DRILLING PERMIT

Permit number 47-107-1363 Date March 19, 19 85

This permit covering the well operator and well location shown below is evidence of permission granted to drill in accordance with the pertinent legal requirements subject to the conditions contained herein and on the reverse hereof. Notification must be given to the District Oil and Gas Inspector, (Refer to No. 8) Prior to the construction of roads, locations and pits for any permitted work. In addition, the well operator or his contractor shall notify the proper district oil and gas inspector 24 hours before actual permitted work has commenced.)

The permitted work is as described in the Notice and Application, plat, and reclamation plan, subject to any modifications and conditions specified on the reverse hereof.
 Permit expires March 19, 1987 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond:	Agent:	Plat:	Casing	Fee
52	MAMMU	MU	1240	

Margaret J. Haise
 Administrator, Office of Oil and Gas

NOTE: Keep one copy of this permit posted at the drilling location.

See the reverse side of the APPLICANT'S COPY for instructions to the well operator.

File