

Plot Card CSD

LORENA ARRINGTON
DB 135 P 115

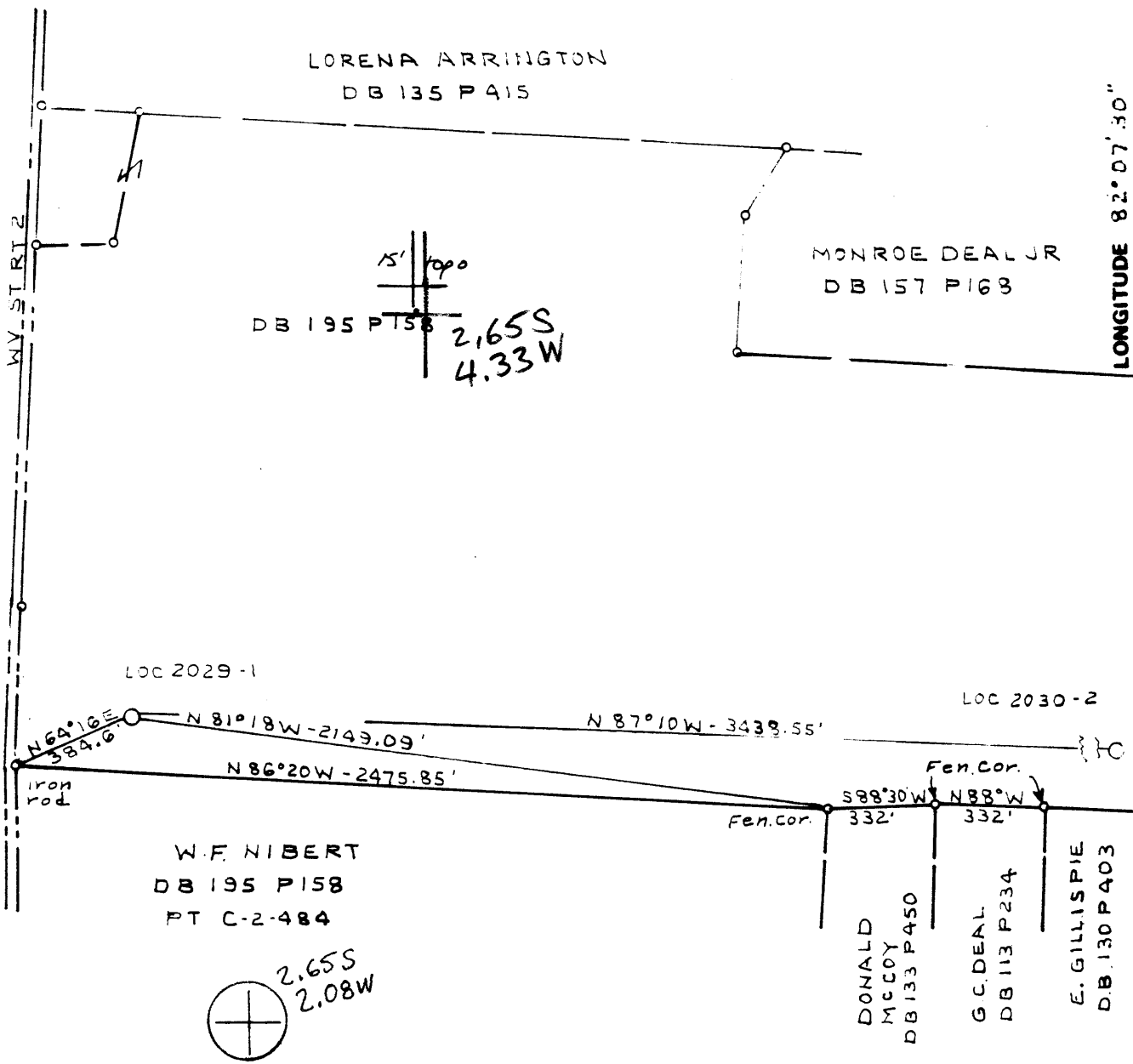
MONROE DEAL JR
DB 157 P 163

DB 195 P 158

2.65S
4.33W

82°05'

13,950'



FILE NO. 3K 82 P 62

DRAWING NO. _____

SCALE 1" = 500'

MINIMUM DEGREE OF ACCURACY 1:200

PROVEN SOURCE OF ELEVATION USGS Road Forks 1500' NW LOC E1 554

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) C. S. Valley Jr.
R.P.E. _____ L.L.S. 92

PLACE SEAL HERE

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

FORM IV-6 (8-78)



DATE FEB 27, 1984
OPERATOR'S WELL NO. 2029-1
API WELL NO. _____
47 - 053 - 0353
STATE COUNTY PERMIT

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

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

LOCATION: ELEVATION 568.14 WATER SHED SIXTEENMILE CREEK
DISTRICT HANNAN 6 COUNTY MASON
QUADRANGLE APPLE GROVE 216 Glenwood 15' C5

SURFACE OWNER W.F. NIBERT ACREAGE 261
OIL & GAS ROYALTY OWNER W.F. NIBERT LEASE ACREAGE 261
LEASE NO. C-2-484

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 DEVONIAN SHALE ESTIMATED DEPTH 3500'
WELL OPERATOR UNION DRILLING INC DESIGNATED AGENT JOSEPH VANZANT
ADDRESS P.O. DRAWER 40 ADDRESS P.O. DRAWER 40
BUCKHANNON WV 26201 BUCKHANNON WV 26201

APR 26 1984

G-6 unnamed (10)

RECEIVED

OCT 23 1984



IV-35 (Rev 8-81)

OIL & GAS DIVISION
DEPT. OF MINE State of West Virginia
Department of Mines
Oil and Gas Division

Date October 22, 1984
Operator's Well No. 1 - 2029
Farm W. Forrest Nibert #1
API No. 47 - 053 - 0353

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

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

LOCATION: Elevation: 568' Watershed Sixteenmile Creek
District: Hannan County Mason Quadrangle Apple Grove

COMPANY Union Drilling, Inc.
ADDRESS P.O. Drawer 40, Buckhannon, WV 26201
DESIGNATED AGENT Joseph C. Vanzant, Jr.
ADDRESS P.O. Drawer 40, Buckhannon, WV 26201
SURFACE OWNER W. Forrest Nibert
ADDRESS Gen. Del. WV St. Rt. 2, Apple, Grove, WV 25502
MINERAL RIGHTS OWNER Same
ADDRESS
OIL AND GAS INSPECTOR FOR THIS WORK
Jerry Tephacock ADDRESS Rt. 1, Box 102-A, Ripley, WV 25271
PERMIT ISSUED 4/9/84
DRILLING COMMENCED 10/6/84
DRILLING COMPLETED 10/11/84
IF APPLICABLE: PLUGGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED ON

Table with 4 columns: Casing & Tubing, Used in Drilling, Left in Well, Cement fill up Cu. ft. Rows include sizes 20-16, 13-10, 9 5/8, 8 5/8, 7, 5 1/2, 4 1/2, 3, 2, and Liners used.

GEOLOGICAL TARGET FORMATION Devonian Shale Depth 3500' feet
Depth of completed well 3292' feet Rotary xx / Cable Tools
Water strata depth: Fresh feet; Salt 665' 3292 feet
Coal seam depths: none Is coal being mined in the area? no

OPEN FLOW DATA

Producing formation Huron Angola Shale Pay zone depth 2112' feet
Gas: Initial open flow show Mcf/d Oil: Initial open flow Bbl/d
Final open flow 119 Mcf/d Final open flow Bbl/d
Time of open flow between initial and final tests 5 days hours
Static rock pressure 650# psig (surface measurement) after 5 days hours shut in
(If applicable due to multiple completion--)

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

Halliburton - 1 stage Foam Frac - 10/9/84

2737/3112 - Upper Huron } - 60,000# sand, 236 Bbls water and 980,000 scf nitrogen
 Lower Huron } 2737-3066-Huron
~~Angola Shale~~ → 3066-3112

3066-3112

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS
					Including indication of all fresh and salt water, coal, oil and gas
Sand & Shale			0	621	
Big Lime			621	1300	1 1/2" salt water @665'
Sand & Shale			1300	1881	
Berea			1881	1928	
Top of Devonian			1928		
Upper Huron Shale			2736	2752	
Lower Huron Shale			2791	3066	
Angola Shale			3066	3140	2 1/2" salt water @T.D.
				3292	T.D. gas show

(Attach separate sheets as necessary)

UNION DRILLING, INC.

Well Operator

By: Joseph C. Pettey
 Date: Joseph C. Pettey, Vice President of Production

October 22, 1984

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."



1) Date: March 16, 19 84
 2) Operator's Well No. 2029 - 1
 3) API Well No. 47 - 053 - 0353
 State County Permit

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

- 4) WELL TYPE: A Oil / Gas /
 B (If "Gas", Production / Underground storage / Deep / Shallow /)
- 5) LOCATION: Elevation: 568.14 Watershed: Sixteenmile Creek
 District: Hannan County: Mason Quadrangle: Apple Grove
- 6) WELL OPERATOR Union Drilling, Inc. 7) DESIGNATED AGENT Joseph C. Vanzant, Jr.
 Address Post Office Drawer 40 Address Post Office Drawer 40
Buckhannon, WV 26201 Buckhannon, WV 26201
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED 9) DRILLING CONTRACTOR:
 Name Jerry Tephabock Name Union Drilling, Inc.
 Address Route 1, Box 101-A Address Post Office Drawer 40
Ripley, WV 25271 Buckhannon, WV 26201
- 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
- 12) Estimated depth of completed well, XX 3500 feet
- 13) Approximate trata depths: Fresh, ? feet; salt, ? feet.
- 14) Approximate coal seam depths: ? Is coal being mined in the area? Yes

RECEIVED
 MAR 16 1984
 OIL & GAS DIVISION
 No. XX
 DEPT. OF MIN

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	Left in well		
Conductor	11-3/4		32	X		30'	30'		Kinds
Fresh water									
Coal									Sizes
Intermediate	8-5/8		23	X		1000' 768'	1000' 768'	to surface	by rule 15.05 Depths set
Production	4-1/2	J	10 1/2	X		3500'	3500'	as required	
Tubing								by rule 15.01	
Liners									Perforations: Top Bottom

OFFICE USE ONLY
 DRILLING PERMIT

Permit number 47-053-0353 Date April 9, 1984

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 April 9, 1986 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond: <u>ELWNET</u>	Agent: <u>ls</u>	Plat: <u>MH</u>	Casing: <u>MH</u>	Fee: <u>015-377</u>
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T. J. ...
 Administrator, Office of Oil and Gas