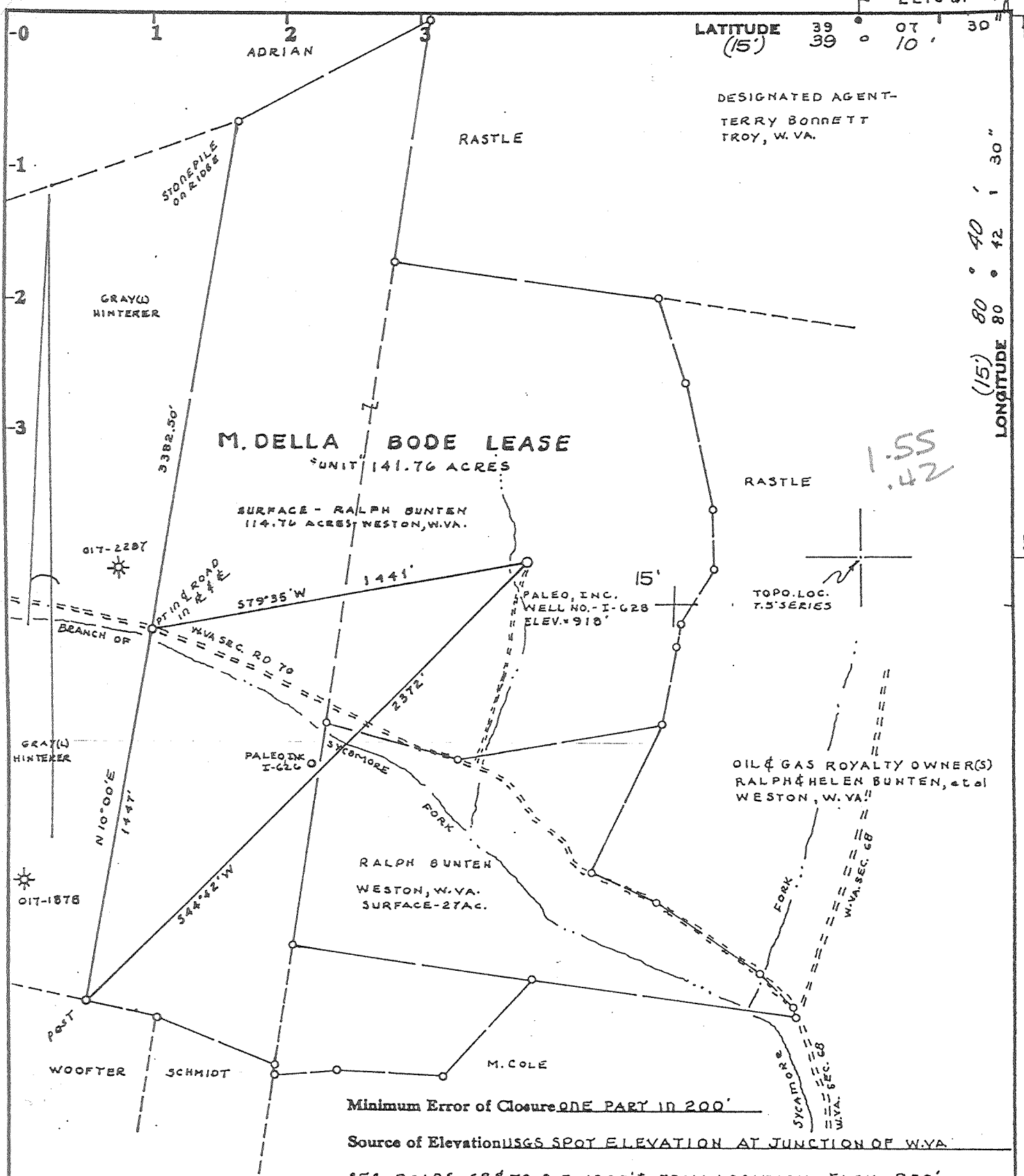


2/1/80
2210' W.



DESIGNATED AGENT -
TERRY BONNETT
TROY, W. VA.

M. DELLA BODE LEASE

UNIT 141.76 ACRES

SURFACE - RALPH BUNTEN
114.76 ACRES WESTON, W. VA.

PALEO, INC.
WELL NO. - I-628
ELEV. 918'

RALPH BUNTEN
WESTON, W. VA.
SURFACE - 27 AC.

OIL & GAS ROYALTY OWNER(S)
RALPH & HELEN BUNTEN, et al
WESTON, W. VA.

Minimum Error of Closure ONE PART IN 200'

Source of Elevation USGS SPOT ELEVATION AT JUNCTION OF W. VA.

SEC. ROADS 688 TO S.E. 1900' FROM LOCATION ELEV. = 850'

- Fracture..... GAS-DRILL-SHALLOW
- New Location..... BIG INJUN-TF EST. DEPTH = 2250'
- Drill Deeper.....
- Abandonment.....

I, the undersigned, hereby certify that this map is correct to the best of my knowledge and belief and shows all the information required by paragraph 6 of the rules and regulations of the oil and gas section of the mining laws of West Virginia.

Signed: Mark C. Echard

Map No. _____ Squares: N S E W

WELL OR Company	Daniel Farley
Address	PO Box 6871 Charleston, WV 25362
Farm	<u>M. DELLA BODE LEASE</u>
Tract	Acres <u>141.76</u> Lease No. _____
Well (Farm) No.	<u>I-628</u> Serial No. _____
Elevation (Spirit Level)	<u>918'</u>
Quadrangle	<u>YADIS 7.5', 15'</u>
County	<u>DODDRIDGE</u> District <u>COYE</u>
Surveyor	<u>MARK C. ECHARD</u>
Surveyor's Registration No.	<u>490</u>
File No.	_____ Drawing No. _____
Date	<u>DECEMBER 10, 1979</u> Scale <u>1" = 500'</u>

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION
CHARLESTON

WELL LOCATION MAP

FILE NO. 47-017-2591PG

+ Denotes location of well on United States Topographic Maps, scale 1 to 24,000, latitude and longitude lines being represented by border lines as shown.

- Denotes one inch spaces on border line of original tracing.

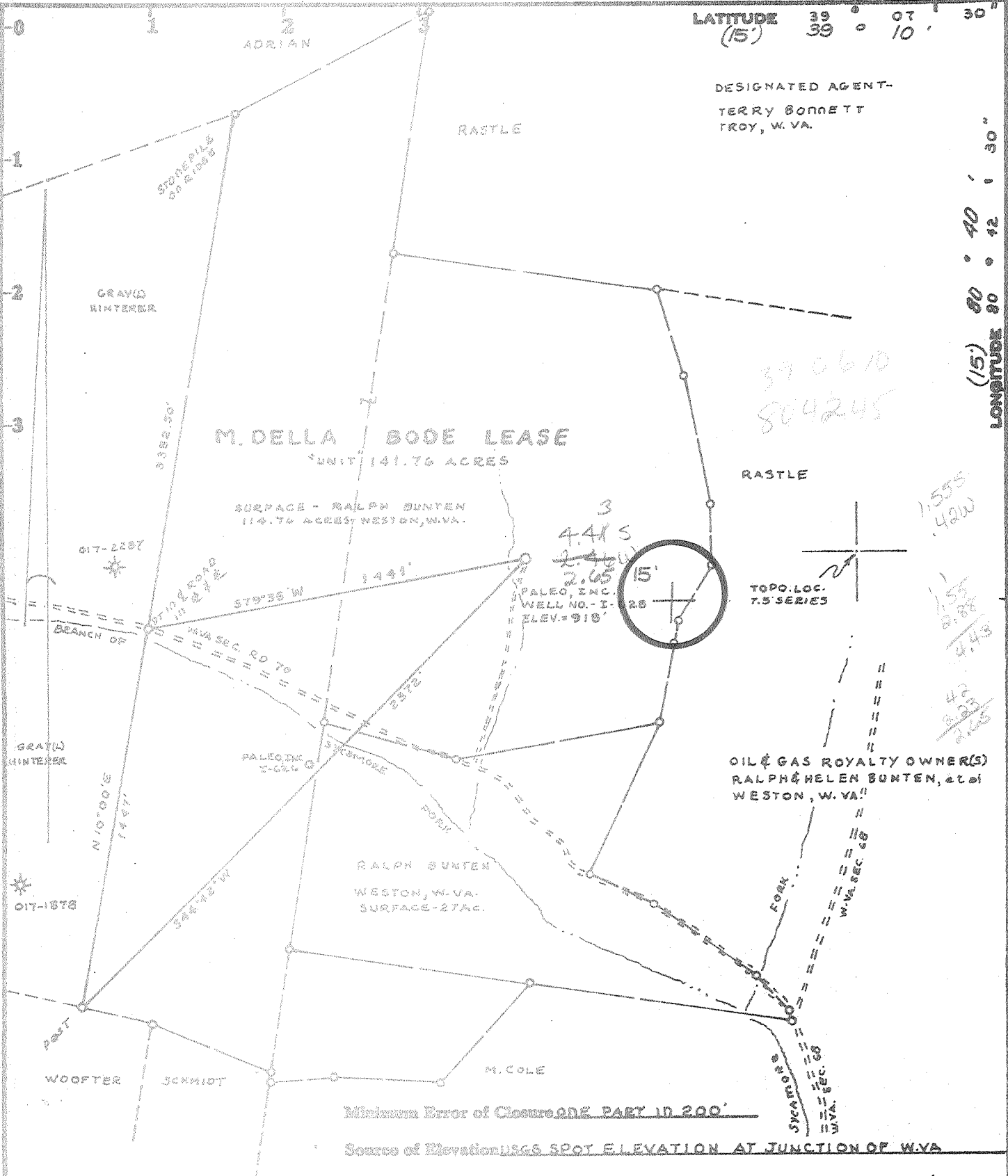
5.0818

LONGITUDE (15) 80° 40' 30"

0000 2591 PG

LATITUDE 39 07 30
(15') 39 0 10'

DESIGNATED AGENT-
TERRY BONNETT
TROY, W. VA.



OIL & GAS ROYALTY OWNER(S)
RALPH & HELEN BUNTEN, et al
WESTON, W. VA.

Minimum Error of Closure ONE PART IN 200'

Source of Elevation USGS SPOT ELEVATION AT JUNCTION OF W.VA

SEC. ROADS 686 TO 3 E 1900' FROM LOCATION ELEV. 850'

Fracture..... GAS-DRILL-SHALLOW
New Location..... BIG TRUB-TF
Drill Deeper..... EAST DEPTH 2250'
Abandonment.....

I, the undersigned, hereby certify that this map is correct to the best of my knowledge and belief and shows all the information required by paragraph 6 of the rules and regulations of the oil and gas section of the mining laws of West Virginia.

Signed: Mark C. Echard
Squares: N S E W

WELL OPERATOR/
Company PALEO, INC.
Address SUITE 205 MAY-EX-8100-3022 N.W. EXPRESSWAY OKLAHOMA CITY, OKLAHOMA 73112
Farm M. DELLA BODE LEASE
Tract _____ Acres 141.76 Lease No. _____
Well (Farm) No. 3-688 Serial No. _____
Elevation (Spirit Level) 910'
Quadrangle YACIE 7.5' 15' WC
County BOYD District COYE
Surveyor MARK C. ECHARD
Surveyor's Registration No. 490
File No. _____ Drawing No. _____
Date DECEMBER 10, 1979 Scale 1" = 300'

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION
CHARLESTON

WELL LOCATION MAP
FILE NO. 47-017-2591

+ Denotes location of well on United States Topographic Maps, scale 1 to 24,000, latitude and longitude lines being represented by border lines as shown.
- Denotes one inch spaces on border line of original tracing.

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES, OIL AND GAS DIVISION

Date April 28, 19 80

FORM IV-35
(Obverse)

Operator's
Well No. Bode #I-628

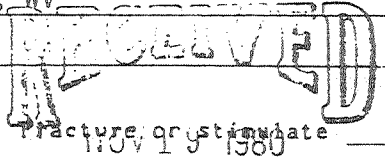
[08-78]

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

API Well No. 47 - 017 - 2591
State County Permit

WELL TYPE: Oil / Gas / Liquid Injection / Waste Disposal /
(If "Gas", Production / Underground storage / Deep / Shallow /)
LOCATION: Elevation: 918' Watershed: Sycamore Fork
District: Cove County: Doddridge Quadrangle: _____

WELL OPERATOR Paleo, Inc. DESIGNATED AGENT Dan Lowther
Address Suite 207, May-Ex Building Address Linn, WV
3022 N.W. Expressway
Oklahoma City, OK 73112



PERMITTED WORK: Drill / Convert / Drill deeper / Redrill / Fracture or stimulate
Plug off old formation / Perforate new formation /
Other physical change in well (specify) _____

OIL & GAS DIVISION
DEPT. OF MINES

PERMIT ISSUED ON February 1, 19 80 OIL & GAS INSPECTOR FOR THIS WORK:
Name Paul Garrett
IF APPLICABLE: PLUGGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED Address Clarksburg, WV 26301
_____, 19 _____ 622-3871

GEOLOGICAL TARGET FORMATION: Big Injun Depth 2001 feet
Depth of completed well, 2097 feet. Rotary / Cable Tools
Water strata depth: Fresh, 65 feet; salt, _____ feet.
Coal seam depths: None Is coal being mined in the area? NO
Work was commenced February 13, 19 80, and completed March 19, 19 80

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								Kinds
Fresh water	85/8					825'	825'	To surface
Coal								Sizes
Intermediate								
Production	4 1/2						2081'	Depth set
Tubing								
Liners								Perforations:
								Top Bottom

OPEN FLOW DATA

Producing formation Big Injun Pay zone depth ¹⁹⁷⁶ 2001 feet
Gas: Initial open flow, _____ Mcf/d Oil: Initial open flow, 0 Bbl/d
Final open flow, 137 Mcf/d Final open flow, 0 Bbl/d
Time of open flow between initial and final tests, 4 hours
Static rock pressure, 500 psig (surface measurement) after _____ hours shut in
[If applicable due to multiple completion--]
Second producing formation _____ Pay zone depth _____ feet
Gas: Initial open flow, _____ 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, _____ hours
Static rock pressure, _____ psig (surface measurement) after _____ hours shut in

DEC 5 1980

[08-78]

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

Fractured April 1, 1980

Big Injun - 45,000 lb. 20/40 sand
20 BPM at 2440 lb.
2150 lb. breakdown
615 bbls. water

Perforations - 1970' to 2000', 7 holes

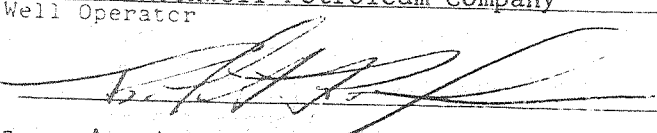
WELL LOG

FORMATION	Color	Hard or Soft	Feet		Remarks		
			Top	Bottom	Including indication of all fresh and salt water, coal, oil and gas		
Red Rock			0	25			
Slate			25	75			Water - 65
Red Rock			75	135			
Slate			135	170			
Red Rock			170	185			
Sand			185	235			
Slate			235	280			
Sand			280	315			
Slate			315	340			
Sand			340	360			
Slate			360	450			
Red Rock			450	455			
Lime			455	468			
Slate			468	520			
Sand			520	555			
Slate			555	570			
Red Rock			570	695			
Slate & Lime			695	705			
Red Rock			705	740	FORMATION	TOP	BOTTOM
Sand			740	760			
Red Rock			760	765	Slate	1404	1465
Sand			765	782	Sand	1465	1495
Slate			782	820	Slate	1495	1510
Sand			820	830	Sand	1510	1535
Slate			830	840	Slate	1535	1650
Red Rock			840	855	Sand	1650	1755
Slate			855	860	Slate & RR	1755	1803
Sand			860	885	Sand	1803	1810
Slate			885	1008	Slate	1810	1834
Sand			1008	1022	Lime	1834	1848
Slate			1022	1105	Slate	1848	1854
Sand			1105	1131	Sand	1854	1888
Slate			1131	1230	Big Lime	1888	1946
Sand			1230	1270	Sand <i>BZ</i>	1946	2035
Slate			1270	1330	Shale	2035	2097
Sand			1330	1345	Total Depth	2097	
Slate			1345	1355			
Sand			1355	1375			

(Attach separate sheets to complete as necessary.)

Rockwell Petroleum Company

Well Operator

By 

Its Agent

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 coal, encountered in the drilling of a well."

[08-78]

COPY

OIL AND GAS WELL PERMIT APPLICATION

Operator's
Well No. Bode #I-628
API Well No. 47 - 017 - 2591
State County Permi

WELL TYPE: Oil / Gas /
(If "Gas", Production / Underground storage / Deep / Shallow)

LOCATION: Elevation: 918' Watershed: Sycamore Fork
District: Cove County: Doddridge Quadrangle: Vadis

WELL OPERATOR Paleo, Inc.
Address 3022 N.W. Expressway
Oklahoma City, OK 73112

DESIGNATED AGENT Terry Bonnett
Address Troy, WV

OIL & GAS
ROYALTY OWNER Ralph Bunten, et al
Address Weston, WV 26452

COAL OPERATOR None
Address _____

Acreage 141.76

COAL OWNER(S) WITH DECLARATION ON RECORD:

SURFACE OWNER Ralph Bunten
Address Weston, WV 26452

Name None
Address _____

Acreage 141.76

Name None
Address _____

FIELD SALE (IF MADE) TO:
Name N/A
Address _____

COAL LESSEE WITH DECLARATION ON RECORD:
Name None
Address _____

OIL & GAS INSPECTOR TO BE NOTIFIED
Name Paul Garrett
Address Clarksburg, WV 26301
622-3871

RECEIVED
FEB - 1 1980

OIL & GAS DIVISION
DEPT. OF MINES

The undersigned well operator is entitled to operate for oil or gas purposes at the above location under a deed / lease / other contract / dated October 30, 1979, to the undersigned well operator from Helen B. Bunten and others

[If said deed, lease, or other contract has been recorded:]
Recorded on _____, 19____, in the office of the Clerk of the County Commission of Doddridge County, West Virginia, in Lease Book 112 at page 620. A permit is requested as follows:

PROPOSED WORK: Drill / Drill deeper / Redrill / Fracture or stimulate /
Plug off old formation / Perforate new formation /
Other physical change in well (specify) _____

--planned as shown on the work order on the reverse side hereof.

The above named coal operator, coal owner(s), and coal lessee are hereby notified that any objection they wish to make or are required to make by Code § 22-4-3 must be filed with the Department of Mines within fifteen (15) days after the receipt of this Application by the Department.

Copies of this Permit Application and the enclosed plat and Reclamation plan have been mailed by registered mail or delivered by hand to the above named coal operator, coal owner(s), and coal lessee on or before the day of the mailing or delivery of this Permit Application to the Department of Mines at Charleston, West Virginia.

PLEASE SUBMIT COPIES OF ALL
GEOPHYSICAL LOGS DIRECTLY TO:
WEST VIRGINIA OIL AND GAS
CONSERVATION COMMISSION
1614 WASHINGTON STREET EAST
CHARLESTON, WV 25311
TELEPHONE: (304) 344-3092

BLANKET BOND

Paleo, Inc.
Well Operator

By Mark R Wood
Its Agent

[08-78]

PROPOSED WORK ORDER

THIS IS AN ESTIMATE ONLY:
ACTUAL INFORMATION MUST BE SUBMITTED ON FORM IV-35 UPON COMPLETION

DRILLING CONTRACTOR (IF KNOWN) Robinson Drilling
Address Tanner, WV

GEOLOGICAL TARGET FORMATION, Big Injun

Estimated depth of completed well, 2250 feet Rotary / Cable tools /
Approximate water strata depths: Fresh, 60 feet; salt, feet,
Approximate coal seam depths: None Is coal being mined in the area? Yes / No /

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	Kinds
Conductor									
Fresh water	10 3/4					300	300	To surface	
Coal									Sizes
Intermediate									
Production	4 1/2						2250	100 sks	Depths set
Tubing									
Liners									Perforations:
									Top Bottom

NOTE: Regulation 7.02 of the Department of Mines provides that the original and four copies of Form IV-2 must be filed with the Department, accompanied by (i) a plat in the form prescribed by Regulation 11, (ii) a bond in one of the forms prescribed by Regulation 12, or in lieu thereof the other security allowed by Code § 22-4-2, (iii) Form IV-9, "Reclamation Plan", applicable to the reclamation required by Code § 22-4-12b and Regulation 23, (iv) unless previously paid on the same well, the fee required by Code § 22-4-12a, and (v) if applicable, the consent required by Code § 22-4-8a from the owner of any water well or dwelling within 200 feet of the proposed well.

A separate Form IV-2 shall not be required for fracturing or stimulating a well where fracturing or stimulating is to be part of the work for which a permit is sought and this noted as such on the Form IV-2 filed in connection therewith.

All operations being in accordance with Chapter 22, of the W. Va. Code, the location is hereby approved for drilling. This permit shall expire if operations have not commenced by 10-5-80.

[Signature]
Deputy Director - Oil & Gas Division

The following waiver must be completed by the coal operator and by any coal owner or coal lessee who has recorded a declaration under Code § 22-4-20, if the permit is to be issued within fifteen (15) days of receipt thereof:

W A I V E R

The undersigned coal operator / owner / lessee / of the coal under this well location has examined this proposed well location. If a mine map exists which covers the area of the well location, the well location has been added to the mine map. The undersigned has no objection to the work proposed to be done at this location, provided, the well operator has complied with all applicable requirements of the West Virginia Code and the governing regulations.

Date: , 19

By
Its

WR-38
DATE:

API # 47-017-2591-P

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

AFFIDAVIT OF PLUGGING AND FILLING WELL

AFFIDAVIT SHOULD BE IN TRIPLICATE, one copy mailed to the Division, one copy to be retained by the Well Operator and the third copy (and extra copies if required) should be mailed to each coal operator at their respective addresses.

Farm name: Ralph Buten Jr. Operator Well No.: Bode 1-628

LOCATION: Elevation: 918' Quadrangle: Vadis
District: Cove County: Doddridge
Latitude: _____ Feet South of _____ Deg. _____ Min. _____ Sec.
Longitude: _____ Feet West of _____ Deg. _____ Min. _____ Sec.

Well Type: OIL _____ GAS X

Company: Daniel R. Farley
P.O. Box 6871
Charleston, WV. 25362

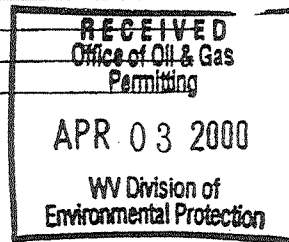
Coal Operator
or Owner _____

Agent: Steve Duckworth

Coal Operator
or Owner _____

Permit Issued Date: 2/7/00

AFFIDAVIT



STATE OF WEST VIRGINIA,
County of _____ ss:

Rick Duckworth and Todd Duckworth being first duly sworn according to law depose and say that they are experienced in the work of plugging and filling oil and gas wells and were employed by the above named well operator, and participated in the work of plugging and filling the above well, and Tim Bennette Oil and Gas Inspector representing the Director, say that said work was commenced on the 16 day of March, ~~19~~2000 and that the well was plugged and filled in the following manner:

TYPE	FROM	TO	PIPE REMOVED	LEFT
Cement	1950'	1850'	780' of 4 1/2"	1301' of 4 1/2"
Cement	800'	700'		825' of 8 5/8"
Cement	50'	0'		
Gel between all plugs.				
				<u>WJH 4/5/00</u>

Description of monument: 7" casing with API numbers. and that the work of plugging and filling said well was completed on the 21 day of March, ~~19~~2000.

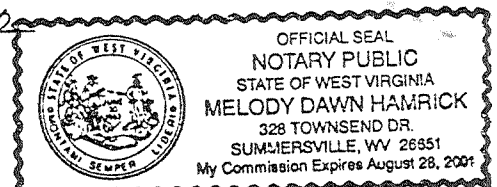
And further deponents saith not. Rick Duckworth

Todd Duckworth

Sworn and subscribe before me this 1 day of April, 1900

My commission expires: Aug 28, 2001
Melody Dawn Hamrick
Notary Public

Tim Bennette



APR 07 2000

Dodd 2591-P