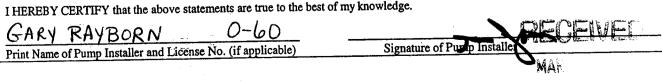
State Well Report         Part #         Onlier CARL Ray born         Mississippi Department of Environmental Quality         Jackson, MS20         Other of Land and Misser Resources         P.O. Born 1051         Date dilling completed:         Ziffel Dia         State Law requires that this report be prepared by the driller in detail and filed with the Department within         30 day of completion of drilling of the well         Well Oversition         Well Oversition         Well Oversition         Well Oversition         Well Oversition         Well Oversition         State Law requires that this report be prepared by the driller in detail and filed with the Department within         30 day of completion of drilling of the well         Well Oversition         Well Oversition         Well Oversition         Well Oversition         State Law requires that this report be prepared by the driller in detail and filed with the Department within         30 day of completion of drilling of the well         State Law requires that this report be prepared by the driller in detail and filed with the Department within         30 day of completion of drilling drilling well         Well Oversition         Well Oversition         Well Mepret     <	. Ist of 2 well	s on Cameron 31-1-412H
Conty	מ	For Once Use Only:
Date drilling completed:       2116/10         Date drilling completed:       2116/10         Date drilling completed:       2116/10         State Law requires that this report be prepared by the driller in detail and filed with the Department within 30 days of completion of drilling of the well.       Well Jocation         State Law requires that this report be prepared by the driller in detail and filed with the Department within 30 days of completion of drilling of the well.       Well Jocation         Well Owner Information       Well Jocation       Latimde: 31 + 05 + 14'' - Longitude: 34 + 98 + 98 + 98 + 98 + 98 + 98 + 98 + 9	County: <u>Larrar</u> Mississippi Departmen	t of Environmental Quality Aquifer: Aquifer:
Date drilling completed:       21 (£) (10)         (601)961:5210       (601)961:5210         State Law requires that this report be prepared by the driller in detail and filed with the Department within         30 drays of completion of driver will.       Well Owner Information         Well Owner Information       Well Action         State Law requires that this report be prepared by the driller in detail and filed with the Department within         30 drays of completion of driver       Well Contact         Well Owner Information       Well Action         State 2550 E. Stone Drive       Latitude: 1		
State Law requires that this report be prepared by the driller in detail and filed with the Department within         Well Owner Information         Well Owner Information         Well Owner Information         Well Owner Information         Well Control 1 & G.A.S.         Auting Address: 2550 E. Stone Drive         Soite 110         Soite 110         Kircysport TN 307160         State Zp Code         Nethod of LawLong (circle one): Conventional Survey.         Survey-grade CIPS         Survey-grade CIPS         Survey-grade CIPS         Survey-grade CIPS         Survey-grade CIPS         Survey-grade CIPS         Well Data         Butte Zp Code         Nate: Zp Code         Well Data         Well Cicrice one) Home Industrial Public Supply Irrigation Fish Culture O		
30 days of completion of drilling of the well.       Well Vectation         Well Over Information       Well Over Information         Sorie Name Penn - Va Ori 1 3 Gas       Latitude: 3	Date drilling completed: 21810 (601) (601)35	
Well Owner Information         Well Owner Information         Domer Name Penn-Va Oil 3 Gas         Mailing Address: 2550 E. Stone Drive         Soile IIO         Network of IIIO         Soile IIIO         Well Data         Well Data         Well Data         Purpose of Well (circle one) Home Industrial Public Supply         Irigation Fish Culture Other: Rig Supply         Irigation Fish Culture Other: Rig Supply         Soile End bove or below icircle one) land surface         Soile Colspan= Drive         Soile Colspan= Drive         Soile Colspan=	State Law requires that this report be prepared by the 30 days of completion of drilling of the well.	
Mailing Address:       2550 E. Stone Drive         Soite 110       State 2ip Code         Kingsport TN 37160       State 2ip Code         Telephone No. (60), 731-4333       Well Data         Well Data       Distance         Purpose of Wall (circle one) Home Industrial Public Supply Irrigation Fish Culture Other: Rig Supply       Nearest Town         J. 10       Date well drilling started:       21810         Date well drilling started:       21810       Date well drilling completed:       21810         Method of Masurement (circle one) Home Industrial Public Supply Irrigation Fish Culture Other: Rig Supply       Nearest Town       Nearest Town         State 200       Get above or below (circle one) had surface Date measured:       21810       0         Method of Masurement (circle one)       steel tape       electric tape air line other:       10       feet         Type of grout (circle one):       Cement:       Bentonite       Mix       Screen length:       200       feet       Screen is tize:       100       feet         Type of completion (circle all applicable):       Gravet packed)       Underreamed Telescoped Open hole       Natural Development         Other (describe):	Well Owner Information	
Mailing Address:       2550 E. Stone Drive         Soite 110       State 2ip Code         Kingsport TN 37160       State 2ip Code         Telephone No. (60), 731-4333       Well Data         Well Data       Distance         Purpose of Wall (circle one) Home Industrial Public Supply Irrigation Fish Culture Other: Rig Supply       Nearest Town         J. 10       Date well drilling started:       21810         Date well drilling started:       21810       Date well drilling completed:       21810         Method of Masurement (circle one) Home Industrial Public Supply Irrigation Fish Culture Other: Rig Supply       Nearest Town       Nearest Town         State 200       Get above or below (circle one) had surface Date measured:       21810       0         Method of Masurement (circle one)       steel tape       electric tape air line other:       10       feet         Type of grout (circle one):       Cement:       Bentonite       Mix       Screen length:       200       feet       Screen is tize:       100       feet         Type of completion (circle all applicable):       Gravet packed)       Underreamed Telescoped Open hole       Natural Development         Other (describe):	Owner Name Penn-Va Oil 3 Gas	Latitude: $\underline{3} \circ \underline{0}^{\circ}, \underline{4}^{\circ}$ Longitude: $\underline{01} \circ \underline{10}^{\circ}, \underline{15}^{\circ}$
Kingsport TN 37760       564 % State       21 rwn 2N rng 1600         City       State       Zip Code       Miles       State       21 rwn 2N rng 1600         Network State         Telephone No. (601) 731-4333         Well Data         Well Data         Well Data         Purpose of Well (circle one) Home Industrial Public Supply Irrigation Fish Culture Other: Rig Supply         Date well drilling started: 21810         Date well drilling completed: 21810         State Other (describe)         State Well One (rescribe)         State Well droll: 100'         Well group of the depth: 100'         Well depth: 100'         Well group of a depth of 10 feet         Type of grout (circle one): Cement Beatonite Mix         Screen stot size: 1020 inches Setting depth: From 80 feet to 100 feet         Screen stot size: 1020 inches Setting depth: From 80 feet to 100 feet	Mailing Address: 2550 E. Stone Drive	Method of Lat/Long (circle one): Conventional Survey,
City       State       Zip Code         City       State       Zip Code         Pistance       Miles       Well Data         Well Data       Well Data         Purpose of Well (circle one) Home       Industrial       Public Supply       Irigation       Fish Culture       Other:       Rig       Supply         Date well drilling started:       21810       Date well drilling completed:       21810       IO         If flowing, method of flow regulation:       Valve       Other (describe)       Date measured:       21810         Sitaic Water Level:       55       feet above or below (circle one) land surface       Date measured:       21810         Method of Measurement (circle one)       steel tape       electric tape       air line       other:		
Well Data         Well Data         Purpose of Well (circle one) Home Industrial Public Supply Irrigation Fish Culture other: Rig Supply         Date well drilling started:       21210         Date well drilling started:       21210         If flowing, method of flow regulation: Valve       Other (describe)         Static Water Level:       55         feet above on below [circle one] land surface       Date measured:         21.8       10         Method of Measurement (circle one) steel tape       electric tape         air line       other:         Hole depth:       100         Well grouted to a depth of       6         Type of grout (circle one):       Cement         Bentonite       Mix         Casing length:       20       feet         Screen longth:       20       feet         Screen slot size:       / 02.0       inches         Type of completion (circle all applicable):       Gravel packed       Underreamed         Type of oreguization running log(5):       feet.       If telescoped or more than one screen, describe on back of page         Logs run (circle all applicable)       Nol run       Electric Gamma Ray Density Sonic Neutron Other:         Name of organization running log(5):       feet. <td>Kingsport TN 37760</td> <td><u>560 1/4 51/14 Sec 31 Twn 2N Rng 16W</u></td>	Kingsport TN 37760	<u>560 1/4 51/14 Sec 31 Twn 2N Rng 16W</u>
Well Data         Well Data         Purpose of Well (circle one) Home Industrial Public Supply Irrigation Fish Culture other: Rig Supply         Date well drilling started:       21210         Date well drilling started:       21210         If flowing, method of flow regulation: Valve       Other (describe)         Static Water Level:       55         feet above on below [circle one] land surface       Date measured:         21.8       10         Method of Measurement (circle one) steel tape       electric tape         air line       other:         Hole depth:       100         Well grouted to a depth of       6         Type of grout (circle one):       Cement         Bentonite       Mix         Casing length:       20       feet         Screen longth:       20       feet         Screen slot size:       / 02.0       inches         Type of completion (circle all applicable):       Gravel packed       Underreamed         Type of oreguization running log(5):       feet.       If telescoped or more than one screen, describe on back of page         Logs run (circle all applicable)       Nol run       Electric Gamma Ray Density Sonic Neutron Other:         Name of organization running log(5):       feet. <td>City</td> <td>Distance Net Direction Nearest Town <u>3</u> Miles <u>W</u> of <u>Baxtery</u>: <u>lle</u></td>	City	Distance Net Direction Nearest Town <u>3</u> Miles <u>W</u> of <u>Baxtery</u> : <u>lle</u>
Purpose of Well (circle one) Home Industrial Public Supply Irrigation Fish Culture other: Rig Supply Date well drilling started: <u>21810</u> Date well drilling completed: <u>21810</u> If flowing, method of flow regulation: ValveOther (describe) Static Water Level: <u>55</u> feet above or below (circle one) land surface Date measured: <u>21810</u> Method of Measurement (circle one) steel tape electric tape air line other: Hole depth: <u>100</u> Well depth: <u>100</u> Well grouted to a depth of <u>10</u> feet Type of grout (circle one): <u>Cement</u> Bentonite Mix Casing length: <u>80</u> feet Casing diameter: <u>4</u> inches Type of casing: <u>PVC</u> Screen length: <u>20</u> feet Screen diameter: <u>4</u> inches Type of screen: <u>PVC</u> Screen slot size: <u>1020</u> inches Setting depth: From <u>80</u> feet to <u>100</u> feet Type of completion (circle all applicable): <u>Gravel packed</u> Underreamed Telescoped Open hole Natural Development Other (describe): <u>Feet. If telescoped or more than one screen, describe on back of page</u> Logs run (circle all applicable). No log run Electric Gamma Ray Density Sonic Neutron Other: <u>Name of organization running log(s)</u> Department of Environmental Quality and/or the Mississippi Department of Health regulations and state laws. <u>RANBORN DRILLINC</u> , <u>INC</u> 0-60 Print Name of Water Well Contractor and License No.		
Project of with (effectively) in the term       Date well drilling completed:       2       10         Date well drilling started:       2       18       10         If flowing, method of flow regulation:       Valve       Other (describe)		C. Dia Sunaly
If flowing, method of flow regulation: ValveOther (describe)		
Static Water Level: <u>55</u> feet above or below (circle one) land surface Date measured: <u>211210</u> Method of Measurement (circle one) steel tape electric tape air line other:		
Static Water Level: <u>55</u> feet above or below (circle one) land surface Date measured: <u>211210</u> Method of Measurement (circle one) steel tape electric tape air line other:	If flowing, method of flow regulation: Valve Other	(describe)
Method of Measurement (circle one)       steel tape       electric tape       air line       other:         Hole depth:       100'       Well depth:       100'       Well grouted to a depth of       10       feet         Type of grout (circle one):       Cement       Bentonite       Mix       Mix         Casing length:       80       feet       Casing diameter:       4       inches       Type of casing:       PVC         Screen length:       20       feet       Screen diameter:       4       inches       Type of screen:       PVC         Screen slot size:       1020       inches       Setting depth:       From       80       feet to       100       feet         Type of completion (circle all applicable):       Gravel packed       Underreamed       Telescoped       Open hole       Natural Development         Other (describe):	Static Water Level: _55feet above or below circle one	) land surface Date measured: 21810
Hole depth:       100'       Well depth:       100'       feet         Hole depth:       100'       Well grouted to a depth of       10       feet         Type of grout (circle one):       Cement       Bentonite       Mix         Casing length:       80       feet       Casing diameter:       4       inches       Type of casing:       PVC         Screen length:       20       feet       Screen diameter:       4       inches       Type of screen:       PVC         Screen slot size:       1020       feet       Screen diameter:       4       inches       Type of screen:       PVC         Screen slot size:       1020       inches       Setting depth: From       80       feet to       100       feet         Type of completion (circle all applicable):       Gravel packed       Underreamed       Telescoped       Open hole       Natural Development         Other       (describe):		
Casing length:       80       feet       Casing diameter:       4       inches       Type of casing:       PVC         Screen length:       20       feet       Screen diameter:       4       inches       Type of screen:       PVC         Screen length:       20       feet       Screen diameter:       4       inches       Type of screen:       PVC         Screen slot size:       1020       inches       Setting depth:       From       80       feet to       100       feet         Type of completion (circle all applicable):       Gravel packed       Underreamed       Telescoped       Open hole       Natural Development         Other (describe):		Well grouted to a depth offeet
Casing length:       80       feet       Casing diameter:       4       inches       Type of casing:       PVC         Screen length:       20       feet       Screen diameter:       4       inches       Type of screen:       PVC         Screen length:       20       feet       Screen diameter:       4       inches       Type of screen:       PVC         Screen slot size:       1020       inches       Setting depth:       From       80       feet to       100       feet         Type of completion (circle all applicable):       Gravel packed       Underreamed       Telescoped       Open hole       Natural Development         Other (describe):	Type of grout (circle one): (Cement) Bentonite Mi	x
Screen length:       20 feet       Screen diameter:       4 inches       Type of screen:       PVC         Screen slot size:       1020 inches       Setting depth: From       80 feet to       100 feet         Type of completion (circle all applicable):       Gravel packed       Underreamed       Telescoped       Open hole       Natural Development         Other (describe):	/ 1	inches Type of casing:PVC
Screen slot size: <u>1020</u> inches Setting depth: From <u>80</u> feet to <u>100</u> feet Type of completion (circle all applicable): Gravel packed Underreamed Telescoped Open hole Natural Development Other (describe):		PVC
Type of completion (circle all applicable):       Gravel packed       Underreamed       Telescoped       Open hole       Natural Development         Other (describe):	Screen length: 20 feet Screen diameter.	
Type of completion (circle all applicable):       Other (describe):         Other (describe):	Screen slot size: <u>, O2O</u> inches Setting depth: From	<u>80</u> feet to <u>100</u> feet
Top of lap pipe or reduction in casing:      feet. If telescoped or more than one screen, describe on back of page         Logs run (circle all applicable)       No log run       Electric       Gamma Ray       Density       Sonic       Neutron       Other:		
Logs run (circle all applicable) No log run Electric Gamma Ray Density Sonic Neutron Other:		
Name of organization running log(s):         I certify that the well was drilled, constructed, and completed in accordance with all applicable requirements of the Mississippi Department of Health regulations and state laws.         Department of Environmental Quality and/or the Mississippi Department of Health regulations and state laws.         RANBORN DRILLING, INC 0-60         Print Name of Water Well Contractor and License No.         Signature of Water Well Contractor and License No.	Top of lap pipe or reduction in casing:feet. If	f telescoped or more than one screen, describe on back of page
Department of Environmental Quality and/or the Mississippi Department of Health regulations and state laws.          RANBORN DRILLING, INC 0-60         Print Name of Water Well Contractor and License No.    Signature of Water Well Contractor and License No.	Logs run (circle all applicable) No log run Electric Gamma R	ay Density Sonic Neutron Other:
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RANBORN DRILLING, INC 0-60 Print Name of Water Well Contractor and License No. Signature of Water Well Contractor and License No.	Department of Environmental Quality and/or the Mississippi I	Department of Health regulations and state laws.
Print Name of Water Well Contractor and License No.		
MAL CONTRACTOR OF A CONTRACTOR OF		Signature of Wate Very States () -
BY: OWF		
BARONA		- 1997 - 11 - 12 - 54 詳留 <sup>199</sup>
		BY: OLWF

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Ist of 2 wells on SameLocation						
STATE WELL REPORT						
Permit #: Driller: <u>GARY RAYborn</u> Date completed: <u>21810</u>	Part 2 Pump Installer's Completion Report Mississispi Department of Environmental Quality Office of Land and Water Resources P.O. Box 10631 Jackson, MS 39289-0631 (601)961-5210 (601)354-6938 (fax)		For Office Use Only: Aquifer: <u>J328</u> Well #: Elevation:			
This report should be prepared by the pu installation of pump.	imp installer in detail					
Well Owner Information Owner Name: PENN-VA OIL Mailing Address: 2550 E. STON			Location Longitude:			
Mailing Address: <u>ZJJO E. STON</u> <u>SUITE 110</u> <u>KINGSPORT TN</u> City State Telephone No. ( <u>601)</u> 731-4333	Zip Code	USGS quad, Hand <u>14</u> USGS quad, Hand <u>14</u> <u>14</u> <u>14</u> Sec <u>3</u> Distance Direction	I-held GPS, Survey-grade GPS <u>I Twn QN Rng 16W</u> Nearest Town of <u>Baxteroille</u>			
Pump Type Circle one Air Lift Jet (S	ubmersible	)` C	wer Type ircle one ne Engine Natural Gas			
Bucket	urbine Towing Well		(specify):			
Other (specify): Date Pump Installed:2 19 10 Rated Pump Capacity:G	allons Per Minute	Setting Depth:8.	0			
Pumping Water Level (B):Feet Be Drawdown [(B) – (A)]:Feet Be	elow Land Surface low Land Surface elow Land Surface allons Per Minute hours	Air Line Electric Me Other (specify): For flowing well, measured s Well yielded	easuring Water Level Circle one asuring Line Steel Tape Shut in head:feet GPM with a drawdown of hours of pumping			
I HEREBY CERTIFY that the above statement	nts are true to the best	of my knowledge.				



BY: OLME

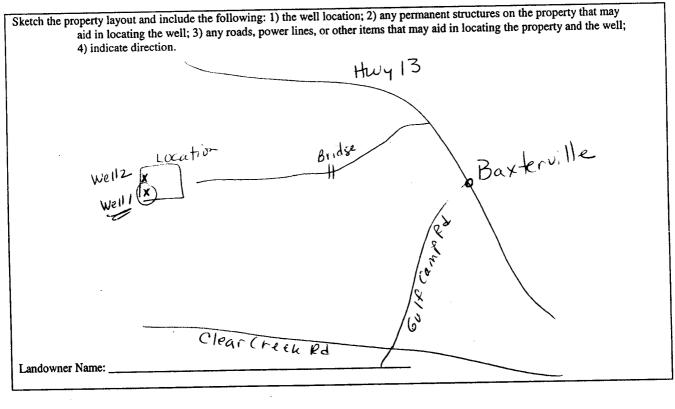
If well telescopes please sketch below and show depths.



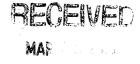
Description of Formations Encountered	From	To
 CHALK	0	40
CHALK SAND+ GRAVEL	40	100
		<u> </u>

2338

If more than one screen, show location of each on sketch



Signature of Water Well Contractor



BY: OWR