

ATTACHMENT TO FORM 9-330 DATED 10/1/87

United States Department of the Interior

Read & Stevens, Inc.

North Lea Federal No. 2

DST No. 1: 5630-5677' KB (34') in Delaware

Opened with weak blow for 30". S.I. for 2 hrs., second flow, open 60" with weak blow. No gas to surface. S.I. 3 hr.

Pipe recovery:	Oil	0 ft.
	Water	0 ft.
	Gas	0 ft.
	Drilling fluid	894 ft. Show of oil on top of tools
Initial Hydrostatic		2,538 psig
Initial Flow	30 min.	51-243 psig
First Shut-in	120 min.	2,347 psig
Second Flow	60 min.	282-408 spig
Final Shut-in	30 min.	2,347 psig
Final Hydrostatic		2,538 psig
Bottom Hole Temperature		120 ± F

DST #2 (9569'-9618') in the Bonesprings

First flow - 30": opened with good blow increasing to 9 psig through bubble hose, stabilized thru remainder of flow period. Initial shut in - 2 hrs. Second flow - 2 hrs: opened with good blow, gas to surface in 40", 4 psig on 1/4" choke, decreasing to 1/2 psig at end of test. Final shut in - 6 hrs.

Pipe recovery:	Oil	20 ft. 352 API
	Water	0 ft.
	Gas	9,449 ft.
	Drilling fluid	100 ft.
Initial Hydrostatic		4,353 psig
Initial Flow	30 min.	83-108 psig
First Shut-in	120 min.	580 psig
Second Flow	120 min.	57-108 spig GTS in 40"
Final Shut-in	360 min.	975 psig
Final Hydrostatic		4,340 psig
Bottom Hole Temperature		142 ± F

DST No. 3: 9798'-9850' (52') in Bonesprings.

First flow 30" - 1.13 psig, initial shut-in 2 hours, Second flow 2.5 hrs. - 6.45 psig at end of flow period. Final shut in

Pipe recovery:	Oil	140 ft. 382 API
	Water	0 ft.
	Gas	9,598 ft.
	Drilling fluid	60 ft.
Initial Hydrostatic		4,480 psig
Initial Flow	30 min.	53-57 psig Closed chamber test
First Shut-in	120 min.	4,393 psig
Second Flow	150 min.	65-116 spig Closed chamber test
Final Shut-in	450 min.	4,570 psig
Final Hydrostatic		4,497 psig
Bottom Hole Temperature		142 ± F