P O BOX 1468 MONAHANS TEXAS 79756 PH 943-3234 OR 563-1040

RESULT OF WATER ANALYSES

R (ESULT OF WATER AN		" 2001	
	LA	BORATORY NO	138224	
ni. arley Stafford		SAMPLE RECEIVED		
.0. Box 949, Andrews, Texas	RE	SULTS REPORTED	1-26-88	
MPANY ARCO Oil & Gas Compar	Y LEASE -	Carlson "A"	Federal #2	
LD OR POOL	Justis			
CTION BLOCK SURVEY	COUNTY	Least	ATE NM	
JRCE OF SAMPLE AND DATE TAKEN: NO. 1 Produced water - taken fi	rom Carlson "A" F	ederal #2. 1	-21-88	
NO. 1 Floudeed Water canon				
NO. 2				
EMARKS:	Drinkard			
CHEMIC	AL AND PHYSICAL			
	NO.1	me/I_	NO. 2	me/I_
Specific Gravity at 60° F.	1.0875			
pH When Received	5.82	 		
Carbonate as CO3	<u> </u>	0.0		
Bicarbonate as HCO3	695	11.4		
Supersaturation as CaCO3				
Undersaturation as CaCO3				
Toral Hardness as CaCO3	23,700	202.0		
Catcrum as Ca	6,440	322.0	 	
Magnesium as Mg	1,847	152.0	 	
Sodium and/or Potassium	39,974	1,738.1	 	
Sulfate as SO4	1,810	37.7		
Chloride as C	76,701	2,163.0		
Iron as Fe	36.8	1.3		
Barium as Ba				
Turbidity, Electric				
Color as Pt	127.77	+	 	
Total Solids, Calculated	127.468			
Temperature ³ F.				
Carbon Dioxide, Calculated				
Dissolved Oxygen, Winkler	875			
XXXXXX Suifide - Total	0.079			
Resistivity, ohms/m at 77° F.		-		
Suspended Oil				
	Results Reported As Milligr	ams Per Liter		
	1 4	harr a mignific	cant change	n the water
Additional Determinations And Remarks The from this well as compared to	the sample rece	ived 1-13-88	and reported	on laborate
from this well as compared to	ise Wimberly #11	on laboratory	#1087236 as	representi
#188111. If we continue to 1 formation water, we note that	this is essenti	ally identica	I to the wate	er from tha
well.				
WELLA				

Form No. 2

orm No. 2
cc: Mr. Jim Ellis, Jal, NM
Mr. R.D. Thompson, Andrews
Mr. Bill Knight, Midland
Mr. Dick Prentice, Midland
Cantral Class System. Midland

Waylan C. Martin, M.A.

Record

AUG 25 1988

HOBE DETAIL