



Texaco USA

F. O. OIL CONS. COMMISSION
P. O. BOX 1980
HOBBS, NEW MEXICO 88240

PC Box 731
Hobbs NM 88240
305 393 7191

June 21, 1991
Bureau of Land Management
P.O. Box 1857
Roswell, New Mexico

Attn: Mr. Stan Mayo
BLM Representative

RE: NTL-2B
L. Harris Federal Lease
Lease No. LC-068124
Roosevelt County, New Mexico
Section 22, T-7S, R-35E

Mr. Mayo,

The following is submitted for your approval:

1. The one well on the referenced lease (L. Harris Federal #1) produces from the Todd Wolfcamp Pool.
2. This well produces approximately one to two BWPD.
3. A water analysis is attached.
4. Water is stored on the lease in a 500 BBL tank prior to being hauled by Kenneth's Tank Service out of Crossroads, New Mexico. Kenneth's disposes of the water in the following disposal well:
 - (a) Ada Jenkins SWD Well #13
Sec. 24, Township 9, Range 31E
Lea County, N.M.
 - (b) M & G Oil
Markham SWD Well #2
Section 11, Township 9S, Range 35E
Lea County, N.M.

If you need further information please contact this office. The Hobbs Area Office phone number is 393-7191. My office number is 397-0442.

Sincerely,

M.C. Duncan
Engineer's Assistant

MCD/s

Attachment

File

cc: RWB

PETROLITE

Petrolite Oil Field Chemicals Group

16010 Barker's Point Lane • Houston, Texas 77079
(713) 558-5200 • Telex 4620346 • Fax (713) 589-4737

Reply to: P.O. Box 5250
Hobbs, New Mexico 88241

Phone: (505) 392-6711
Fax: (505) 392-3759

WATER ANALYSIS REPORT

Company : TEXACO E & P INC.
Address : HOBBS, NEW MEXICO
Lease : L. HARRIS FEDERAL
Well : # 1
Sample Pt. : WELLHEAD

Date : 6-20-91
Date Sampled : 6-19-91
Analysis No. : 647

ANALYSIS	mg/L	* meq/L
1. pH	6.8	
2. H2S	40 PPM	
3. Specific Gravity	1.085	
4. Total Dissolved Solids	139873.9	
5. Suspended Solids		
6. Dissolved Oxygen		
7. Dissolved CO2		
8. Oil In Water		
9. Phenolphthalein Alkalinity (CaCO3)		
10. Methyl Orange Alkalinity (CaCO3)	442.0	
11. Bicarbonate	HCO3 539.2	HCO3 8.8
12. Chloride	Cl 84980.7	Cl 2397.2
13. Sulfate	SO4 500.0	SO4 10.4
14. Calcium	Ca 7010.0	Ca 349.8
15. Magnesium	Mg 751.2	Mg 61.8
16. Sodium (calculated)	Na 46091.5	Na 2004.9
17. Iron	Fe 1.2	
18. Barium	Ba 0.0	
19. Strontium	Sr 0.0	
20. Total Hardness (CaCO3)	20598.5	

PROBABLE MINERAL COMPOSITION

*milli equivalents per Liter	Compound	Equiv wt	X meq/L	= mg/L
350 *Ca <----- *HCO3	Ca(HCO3)2	81.0	8.8	716
----- /----->	CaSO4	68.1	10.4	709
62 *Mg -----> *SO4	CaCl2	55.5	330.5	18342
----- <----- /	Mg(HCO3)2	73.2		
2005 *Na -----> *Cl	MgSO4	60.2		
-----	MgCl2	47.6	61.8	2942
Saturation Values Dist. Water 20 C	NaHCO3	84.0		
CaCO3 13 mg/L	Na2SO4	71.0		
CaSO4 * 2H2O 2090 mg/L	NaCl	58.4	2004.9	117163
BaSO4 2.4 mg/L				

REMARKS: ROBERT HART / PAT MAYO / ROBERT BROWNING
----- G. ARCHER / MLAB / FILE

Petrolite Oilfield Chemicals Group

Respectfully submitted,
ROZANNE JOHNSON

PETROLITE

SCALE TENDENCY REPORT

Company	: TEXACO E & P INC.	Date	: 6-20-91
Address	: HOBBS, NEW MEXICO	Date Sampled	: 6-19-91
Lease	: L. HARRIS FEDERAL	Analysis No.	: 647
Well	: # 1	Analyst	: ROZANNE JOHNSON
Sample Pt.	: WELLHEAD		

STABILITY INDEX CALCULATIONS
(Stiff-Davis Method)
CaCO3 Scaling Tendency

S.I. =	1.1	at	60 deg. F	or	16 deg. C
S.I. =	1.1	at	80 deg. F	or	27 deg. C
S.I. =	1.2	at	100 deg. F	or	38 deg. C
S.I. =	1.3	at	120 deg. F	or	49 deg. C
S.I. =	1.3	at	140 deg. F	or	60 deg. C

CALCIUM SULFATE SCALING TENDENCY CALCULATIONS
(Skillman-McDonald-Stiff Method)
Calcium Sulfate

S =	2047	at	60 deg. F	or	16 deg C
S =	2259	at	80 deg. F	or	27 deg C
S =	2397	at	100 deg. F	or	38 deg C
S =	2461	at	120 deg. F	or	49 deg C
S =	2508	at	140 deg. F	or	60 deg C

Petrolite Oilfield Chemicals Group

Respectfully submitted,
ROZANNE JOHNSON