•	New Mexico (M Conservation Division	ng ar maria	
and the	17 mg	1625 N. French Drive		
Form 2160.5	TED STATES	Hobbs, NM 83240		
(1	ITED STATES NT OF THE INT			FORM APPROVED Budget Bureau No. 1004-0135
	LAND MANAG		L	Expires: March 31,1993
BOREAU OF	LAND MANAG	EMENI		5. Lease Designation and Serial No.
SUNDRY NOTICES	AND REPORT	S ON WELLS	-	NMLC-061154
Do not use this form for proposals to de Use "APPLICATION FO	rill or to deepen DR PERMIT—'' f	or reentry to a different rese or such proposals	ervoir.	6. If Indian, Allottee or Tribe Name
	T IN TRIPLICA	TE		7. If Unit or CA, Agreement Designation
I Type of Well				
Well Well Other				8. Well Name and No.
2. Name of Operator				Bassett Birney #1
Mack Energy Corporation 3. Address and Telephone No.				9. API Well No.
P.O. Box 960, Artesia, NM 88211-0960		(505)748-1288	-	30-025-28689 10. Field and Pool, or Exploratory Area
4. Location of Well (Footage, Sec., T. R., M. or Survey De	scription)			Pearsall;Queen
660 FNL & 660	FWL, Sec. 5 T185	S R32E, D		11. County or Parish, State
				Lea, NM
12. CHECK APPROPRIATE BOX	(s) TO INDICAT	TE NATURE OF NOTICE, F	REPORT	, OR OTHER DATA
TYPE OF SUBMISSION		TYPE OF A	CTION	
Notice of Intent		Abandonment		Change of Plans
	Ē	Recompletion		New Construction
Subsequent Report		Plugging Back		Non-Routine Fracturing
		Casing Repair		Water Shut-Off
Final Abandonment Notice		Altering Casing		Conversion to Injection
	Σ	Other Onshore Order	7	Dispose Water
				(Note: Report results of multiple completion on Well
13 Describe Proposed or Completed Operations (Clearly state al	pertinent details, and gi	ve pertinent dates, including estimated date	of starting any	Completion or Recompletion Report and Log form.) y proposed work. If well is directionally drilled,
give subsurface locations and measured and true vertine Name (s) of formation (s) producing water on		rs and zones pertinent to this work)* Pearsall;Queen	1.0.5	
Amount of water produced from each formation day		1	્રકા	BIECT TO
A water analysis of produced water from each	zone showing at		AL	KE APPROVAL
lease the total dissolved solids, ph, and concenchorides and sulfates.	tration of	Attached	Se B	
How water is stored on lease	····	Fiberglass Tank	8	KLULIVED
How water is moved t disposal facility		6" SDR 11 Polypipe	12	Hobbs
Operator's name, well name and location, by 1	1/A 1/A	6 SDR 11 Polypipe	100	_ABPROVED_
township, and range, of the disposal facility. If		Mack Energy Corporation		
facility is an approved disposal system, the ope		Pronghorn SWD		E and the second s
the name of the disposal system should suffice		NE/4 NW/4 Sec 20-T17S-	DOOF	BEC 30 2004
	•		KJZE	9
Alternate Disposal		Federal 18		GARY GOURLEY
-		Sec 18 T19S R33E		PETROLEUM ENGINEER
14. I hereby certify that the foregoing is true and correct				
() $()$ $()$ $()$	/	Production Clark		11/15/000
Signed Changel	Title	Production Clerk		Date11/15/2004
(This space for Federal or State office use)				
Approved by	Title			Date
Conditions of approval, if any:				
· · · ·				
Title 18 U.S.C. Section 1001, makes it a crime for any person ke or representations as to any matter within its jurisdiction.	owingly and willfully t	o make to any department or agency of the	United States	s any false, fictitious or fraudulent statements

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Scale Predictions from Baker Petrolite

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Analysis of Sample 326977 @ 75 °F for MACK ENERGY INCORPORATED, 12/7/04



North Permian Basin Region P.O. Box 740 Sundown, TX 79372-0740 (806) 229-8121 Lab Team Leader - Sheila Hernandez (432) 495-7240

Water Analysis Report by Baker Petrolite

Company:	MACK ENERGY INCORPORATED	Sales RDT:	33512
Region:	PERMIAN BASIN	Account Manager:	WAYNE PETERSON (505) 910-9389
Area:	ARTESIA, NM	Sample #:	326977
Lease/Platform:	BASSETT BIRNEY	Analysis ID #:	47102
Entity (or well #):	1	Analysis Cost:	\$40.00
Formation:	UNKNOWN		
Sample Point:	WELLHEAD		

Sum	mary	Analysis of Sample 326977 @ 75 °F							
Sampling Date:	11/24/04	Anions	mg/l	meq/l	Cations	mg/l	meq/l		
Analysis Date: Analyst:	12/7/04 SALLY MOORE	Chloride: Bicarbonate:	103532.0 124.4	2920.26 2.04	Sodium: Magnesium:	53384.8 4719.0	2322.11 388.2		
TDS (mg/i or g/m3): Density (g/cm3, tonr Anion/Cation Ratio:	169524.4 xe/m3): 1.121 1	Carbonate: Sulfate: Phosphate: Borate: Silicate:	0.0 1575.0	0. 32.79	Calcium: Strontium: Barium: Iron: Potassium:	3555.0 84.0 0.2 24.0 2526.0	177.4 1.92 (x; ;) (x; y) (0, 0.87 0.87 64.6		
Carbon Dioxide: Oxygen: Comments: RESISTIVITY: 19.92 77°F	75 PPM 0 PPM OHM-CM @	Hydrogen Sulfide: pH at time of sampling: pH at time of analysis: pH used in Calculation		1 PPM 7 7	Aluminum: Chromium: Copper: Lead: Manganese: Nickel:				

Cond	tions Values Calculated at the Given Conditions - Amounts of Scale in Ib/1000 bbl											
Temp Gauge Press. °F psi	Calcite CaCO ₃		Gypsum CaSO ₄ *2H ₂ 0		Anhydrite CaSO 4		Celestite SrSO ₄		Barite BaSO ₄		CO ₂ Press	
	psi	Index	Amount	Index	Amount	Index	Amount	Index	Amount	Index	Amount	psi
80	0	0.34	3.27	-0.29	0.00	-0.28	0.00	-0.21	0.00	0.27	0.00	0.09
100	0	0.40	4.46	-0.36	0.00	-0.28	0.00	-0.23	0.00	0.08	0.00	0.12
120	0	0.44	5.65	-0.41	0.00	-0.25	0.00	-0.25	0.00	-0.09	0.00	0.17
140	0	0.48	6.84	-0.45	0.00	-0.21	0.00	-0.25	0.00	-0.24	0.00	0.22

Note 1: When assessing the severity of the scale problem, both the saturation index (SI) and amount of scale must be considered.

Note 2: Precipitation of each scale is considered separately. Total scale will be less than the sum of the amounts of the five scales.

Note 3: The reported CO2 pressure is actually the calculated CO2 fugacity. It is usually nearly the same as the CO2 partial pressure.