Form 3160-5 (April 2004)

OCD-HOBRS

UNITED STATES DEPARTMENT OF THE INTERIOR **BUREAU OF LAND MANAGEMENT**

SUNDRY NOTICES AND REPORTS ON WELLS

FORM APPROVED OM B No 1004-0137 Expires: March 31, 2007

If Indian, Allottee or Tribe Name

5 Lease Senal No

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Do not use this abandoned well.	form for proposals to drill or to re-enter an Use Form 3160-3 (APD) for such proposals.

avangoneg y	ren. Use Form 3160-3	(APD) for such propo	sals.					
SUBMIT IN TR	RIPLICATE- Other ins	structions on reverse	side.	7. If Unit or CA/Agreement, Name and/or N				
1. Type of Well Oil Well □ □	Gas Well□□ Other			8. Well Na	ame and No.			
2. Name of Operator COG Opera	ting LLC			⊣	assett Birney #1			
3a Address 550 W. Texas Ave., Suite 1300	Midland, TX 79701	3b. Phone No. (include are 432-683-7443	a code)		30-025-28689			
4. Location of Well (Footage, Sec.,					nd Pool, or Exploratory Area rsall; Queen 49970			
660 FNL & 660 FV	·· 			11. County	or Parish, State			
Sec 5, T18S, R32E	, Unit D 		_		Lea County, NM			
12. CHECK A	PPROPRIATE BOX(ES) T	O INDICATE NATURE (OF NOTICE, R	EPORT, O	R OTHER DATA			
TYPE OF SUBMISSION		ТҮРЕ С	F ACTION					
Notice of Intent	Acidize Alter Casing Casing Repair	Deepen Fracture Treat	Production (Sta	art/Resume)	Water Shut-Off Well Integrity			
Subsequent Report	Cusing repair		- Recomplete		Other method of			

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

Plug and Abandon

Plug Back

Producing Formation: Pearsall Queen Amout Produced: 2 BWPD Water stored in 500 bbl Water Tank

Water is transported by 4" SDR 11 Polypipe to:

Operator: COG Operating LLC Facility Name: Pronghorn SWD

Final Abandonment Notice

Well Location: NE/4 NW/4 Sec 24, T19S, R32E, Unit B

Change Plans

Convert to Injection

330 FNL & 1650 FEL

Lea Co., NM

SWD Permit #: Administrative Order SWD-536

RECEIVED

Recomplete

FEB 2 6 2008

BBS OCE

water disposal

2 4 2008

JAMES A. AMOS SUPERVISOR-EPS

14. I hereby certify that the foregoing is true and correct Name (Printed/Typed)	1					
Diane Kuykendall Signature	700	Title Regulate	ory Analyst 01/10/2	1000		
THIS SPACE F	OR FEDERAL	Date OR STATI				
Approved by		Title		Date	^ D D n n	
Conditions of approval, if any, are attached. Approval of this is certify that the applicant holds legal or equitable title to those is which would entitle the applicant to conduct operations thereon	ights in the subject leas	or Office	10		APRII	ZÜ

on knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

North Permian Basin Region

P.O. Box 740

Sundown, TX 79372-0740

(808) 229-8121

Lab Team Leader - Shella 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 **BASSETT BIRNEY** Lease/Platform: Analysis ID #: 47102 Entity (or well #): **Analysis Cost:** \$40.00 Formation: UNKNOWN

Sample Point: WELLHEAD

Sum	mary	Analysis of Sample 326977 @ 75 °F							
Sampling Date: Analysis Date:	11/24/04	Anions	mg/l	meq/i	Cations	mg/t	meg		
Analyst: TDS (mg/l or g/m3): Density (g/cm3, tonn Anion/Cation Ratio:	12/7/04 SALLY MOORE 169524.4 e/m3): 1.121	Chloride: Bicarbonate: Carbonate: Sulfate: Phosphate: Borate: Silicate:	103532.0 124.4 0.0 1575.0	2920.26 2.04 0. 32.79	Sodium: Magnesium: Calcium: Strontium: Barlum: Iron: Potassium:	53384.8 4719.0 3555.0 84.0 0.2 24.0 2526.0	2322.1 388.2 177.4 1.92 0.87 64.6		
Carbon Dioxide: Oxygen: Comments: RESISTIVITY: 19.92 C 77*F	75 PPM 0 PPM OHM-CM @	Hydrogen Suffide: pH at time of sampling: pH at time of analysis: pH used in Calculation	:	1 PPM 7 7	Aluminum: Chromtum: Copper: Lead: Manganese: Nickel:				

Cond	itions	Values Calculated at the Given Conditions - Amounts of Scale in b/1000 bbl										
		alcite SaCO ₃	Gyp	sum 042H ₂ 0	Ani	nydrite aSO ₄	Cel	estite rSO ₄	Ва	rite aSO .	CO ₂	
*F	psi	Index	Amount	Index	Amount	Index	Amount	Index	Amount	Index	4 Amount	
80	0	0.34	3.27	-0.29	0.00	-0.28	0.00				Anount	psi
100	0	0.40	4.46	-0.36				-0.21	0.00	0.27	0.00	0.09
					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			-
140	0	0.48	6.84	-0.45	0.00	0.24				-0.09	0.00	0.17
		<u> </u>		0.70	v.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.

Scale Predictions from Baker Petrolite

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

