(August 1999) SUNDI Do not use t abandoned w	DEPARTMENT OF THE INFERIOR CONS. DIVISION BUREAU OF LAND MANAGEMENT 1625 N French Dr. SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals were the proposals. abandoned well. Use Form 3160-3 (APD) for such proposals.				FORM APPROVED OMB No. 1004-0135 Expires November 30, 2000 5. Lease Serial No. <u>NMLC065710A</u> 6. If Indian, Allottee or Tribe Name			
SUBMIT IN TI	RIPLICATE - Other ins	tructions on I	everse	e sid	e	7. If Uni	it or C	A/Agreement, Name and/or No
1. Type of Well								
	Other					8. Well		
2. Name of Operator MARBOB ENERGY CORPORATION							<u>OUNIT A #17</u>	
3a. Address	JRPORATION	3b. Phone N	o (includ	e area	code)	9. API V		
	<u>ESIA, NM 88211-0</u>) 748-		•	10. Field	-025 and Pc	5-35095 pol, or Exploratory Area
4. Location of Well (Footage, Sec	c., T., R., M., or Survey Descript	ion)	/40-		· <u> </u>			STRAWN
								arish, State
660 FSL 890 FWL,	SEC. 20-T19S-R32	E, UNIT M				LE	∆ CC)., NM
12. CHECK AI	PPROPRIATE BOX(ES)	TO INDICATE	NATUI	RE O	F NOTICE, I	REPORT, C	DR O	THER DATA
TYPE OF SUBMISSION			TY	PE O	F ACTION			
D Nation of Longe	Acidize	Deepen			Production (Sta	rt/Resume)	D	Water Shut-Off
X Notice of Intent	Alter Casing	Fracture Tre	eat		Reclamation			Well Integrity
Subsequent Report	Casing Repair	New Constr			Recomplete			Other
Final Abandonment Notice	Change Plans	Plug and At Plug Back	andon		Temporarily Al Water Disposal	bandon		
LUSK DEEP T DEEP UNIT A STORED IN A OF PRODUCEI THE LUSK DE	ATER FROM THE LUS UNIT A #19 TANK B A #19 TANK BATTER A FIBERGLASS TANK D WATER INTO OUR D EEP UNIT A #19 DIS RGY CORPORATION.	ATTERY VIA Y, THE LUSK UNTIL SUFF LUSK DEEP U SPOSAL SYST	A POL DEEP ICIEN NIT A EM IS	YET UN T V #19	HYLENE PI IT A #17 OLUMES AR 9 SALT WA	PELINE. PRODUCEI E REACHE TER DISE	AT WA D T OSA	THE LUSK TER IS O DISPOSE L WELL.
	g is true and correct	- <u></u>						
 I hereby certify that the foregoing Name (Printed/Typed) DIANA J. CANNO 	N N	Т	itle	PRO	DUCTION A	ANALYST		
Name (Printed/Typed)	1-Janah) D	Date	DEC	DUCTION A	, 2002		
Name (Printed/Typed) DIANA J. CANNO Signature	VEDTHIS SPACE		Date	DEC	CEMBER 27	, 2002		
Name (Printed/Typed) DIANA J. CANNO Signature	DAVID R. GLASS DAVID R. GLASS TRACEOUS Approval of this notic or equitable title to those righ onduct operations thereon.	D FOR FEDERAL re does not warrant ts in the subject lea	OR STA Title	DEC	OFFICE USE	, 2002 TACHE S OF /	API	PROVAL

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Analytical Laboratory Report for: Marbob UNICHEM Representative: Bill Polk

Production Water Analysis

Listed below please find water analysis report from: Lusk Deep, #17

Lab Test No; Specific Gravity:	2003100969 1.017	Sample	Date:	01/02/2003
TDS:	24761			
pH:	5.78			
Cations:	•	mg/L	as:	
Calcium		1543	(Ca ^{**})	
Magnesium		218	(Mg ⁺⁺)	
Sodium		6360	(Na [*])	
Iron		7.70	(Fe ⁺)	
Barlum		0.60	(Ba ^{**})	
Strontium		112.30	(Sr)	
Manganese		3,10	(Mn ^{**})	
Anions:		mg/L	8 8;	
Bicarbonate		105	(HCO,)	
Sulfate	1	11	(\$ 0 ,¯)	
Chloride		16400	(Cl [°])	
Gases:			(01)	
Carbon Dioxide	<u></u>		(CO ₂)	
Hydrogen Sulfide			(H ₂ S)	

Lab measured pH Lab measured alkalinity Marbob

Lab Test No: 2003100969



DownHole SAT[™] Scale Prediction @ 100 deg. F

Mineral Scale	Saturation Index	Momentary Excess (Ibs/1000 bbis)		
Calcite (CaCO3)	.0818	0512		
Aragonite (CaCO3)	.0693	-,0612		
Witherite (BaCO3)	< 0.001	-16.53		
Strontianite (SrCO3)	,0117	-,565		
Magnesite (MgCO3)	.0121	313		
Anhydrite (CaSO4)	.00724	-363,99		
Gypsum (CaSO4*2H2O)	.00863	-344.25		
Barite (BaSO4)	.0469	-4.01		
Celestite (SrSÓ4)	,00854	-163.92		
Silica (SiO2)	a	-55.08		
Brucite (Mg(OH)2)	< 0,001	824		
Magnesium silicate	0	-116.01		
Siderite (FeCO3)	.768	00159		
Halite (NaCI)	.00186	-184809		
Thenardite (Na2SO4)	< 0.001	-61929		
Iron sulfide (FeS)	0	- 276		

Interpretation of DHSat Results:

The Saturation Index is calculated for each mineral species independently and is a measure of the degree of supersaturation (driving force for precipitation) under the conditions modeled. This value ranges from 0 to infinity with 1.0 representing a condition of equilibrium where scale will neither dissolve nor precipitate. Values less than 1.0 are undersaturated and values greater than 1.0 are supersaturated. The scale is logarithmic, i.e. a Saturation index of 3 is 10 times more saturated than a value of 2.

The Momentary excess is a measure of how much scale would have to precipitate to bring the system back to a non-scaling condition. This value ranges from negative (dissolving) infinity to positive (precipitating) infinity. The Momentary Excess represents the amount of scale possible while the Saturation Level represents the probability that scale will form.