

District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
1301 W. Grand Avenue, Artesia, NM 88210  
District III  
1000 Rio Brazos Road, Aztec, NM 87410  
District IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico  
Energy, Minerals and Natural Resources

Form C-101  
May 27, 2004

Submit to appropriate District Office

☐ AMENDED REPORT

**APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE**

MARBOB ENERGY CORPORATION PO BOX 227 ARTESIA, NM 88211-0227		14049	
Property Code 35337		API Number 30-015-34515	
Property Name THO STATE		Well No. 1	
Proposed Pool 1 ARTESIA; QUEEN-GRAYBURG-SAN ANDRES (3230)		Proposed Pool 2	

**7 Surface Location**

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
E	34	17S	28E		2310	NORTH	990	WEST	EDDY

**8 Proposed Bottom Hole Location If Different From Surface**

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

**Additional Well Information**

11 Work Type Code A	12 Well Type Code O	13 Cable/Rotary R	14 Lease Type Code S	15 Ground Level Elevation 3664'
16 Multiple Y	17 Proposed Depth 4080'	18 Formation YESO	19 Contractor	20 Spud Date 1/30/06
Depth to Groundwater		Distance from nearest fresh water well		Distance from nearest surface water
Pit: Liner: Synthetic <input type="checkbox"/> _____mils thick Clay <input type="checkbox"/> Pit Volume: _____bbls Drilling Method: _____ Closed-Loop System <input type="checkbox"/> Fresh Water <input type="checkbox"/> Brine <input type="checkbox"/> Diesel/Oil-based <input type="checkbox"/> Gas/Air <input type="checkbox"/>				

**EXISTING**

**21 Proposed Casing and Cement Program**

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
12 1/4"	8 5/8"	24#	527'	375 SX	0
7 7/8"	5 1/2"	17#	4034'	800 SX	0

22 Describe the proposed program. If this application is to DEEPEN or PLUG BACK, give the data on the present productive zone and proposed new productive zone. Describe the blowout prevention program, if any. Use additional sheets if necessary.

ADD PAY IN THE SAN ANDRES. IT WILL BE PUMP TESTED BY ITSELF INITIALLY, THEN COMMINGLED WITH THE YESO LATER (SEE ADMINISTRATIVE ORDER #DHC-3657).

SET CIBP @ APPX. 2900'. PERF THE SAN ANDRES @ 2288' - 2751' (30 SHOTS). ACDZ W/ 3000 GAL NEFE 15% HCL.ACID. FRAC W/ 306,000# SAND.

23 I hereby certify that the information given above is true and complete to the best of my knowledge and belief. I further certify that the drilling pit will be constructed according to NMOCD guidelines ☐ a general permit ☐ or an (attached) alternative OCD-approved plan ☐

**OIL CONSERVATION DIVISION**

Approved by:

**BRYAN G. ARANT**  
**DISTRICT II GEOLOGIST**

Printed name: DIANA J. BRIGGS  
Title: PRODUCTION ANALYST  
E-mail Address: PRODUCTION@MARBOB.COM

Approval Date: **AUG 16 2006**

Expiration Date: **AUG 16 2007**

Date: 8/14/06 Phone: (505) 748-3303

Conditions of Approval Attached ☐