

**NM OIL & GAS COMMISSION**  
**UNITED STATES**  
**DEPARTMENT OF THE INTERIOR**  
**BUREAU OF LAND MANAGEMENT**

CONTACT RECEIVING  
OFFICE NUMBER  
OF COPIES REQUIRED  
(Other instructions on  
reverse side)

30-015-27989  
BLM Roswell District  
Modified Form No.  
MD60-3160-2

**APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK**

1a. TYPE OF WORK DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>			5. LEASE DESIGNATION AND SERIAL NO. LC-028784B		
b. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>			6. IF INDIAN, ALLOTTEE OR TRIBE NAME		
2. NAME OF OPERATOR Marbob Energy Corporation ✓ 14049			7. UNIT AGREEMENT NAME Burch Keely Unit 6497		
3. ADDRESS OF OPERATOR P. O. Drawer 217, Artesia, NM 88210			8. FARM OR LEASE NAME		
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.) At surface 1345' FWL 450' FSL, Unit N At proposed prod. zone same UNORTHODOX LOCATION Subject to Like Approval By State			9. WELL NO. 228		
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* East of Artesia on Hwy 82 approximately 20.7 miles			10. FIELD AND POOL, OR WILDCAT Grbg Jackson SR Q Grbg SA		
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 450'		16. NO. OF ACRES IN LEASE 5129.44	11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA 28509		
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 669'		19. PROPOSED DEPTH 4800'	12. COUNTY OR PARISH Eddy		
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 3574' GR		17. NO. OF ACRES ASSIGNED TO THIS WELL 40		13. STATE NM	
20. ROTARY OR CABLE TOOLS rotary		22. APPROX. DATE WORK WILL START* June 1, 1994			

**PROPOSED CASING AND CEMENTING PROGRAM**

HOLE SIZE	CASING SIZE	WEIGHT/FOOT	GRADE	THREAD TYPE	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4"	8 5/8"	24#	J-55	LTC	350'	300 sx
7 7/8"	5 1/2"	17#	J-55	LTC	4800'	1100 sx

Pay zone will be selectively perforated and stimulated as needed for optimum production:

- Attached are:
1. Location & Acreage Dedication Plat
  2. Supplemental Drilling Data
  3. Surface Use Plan

Approval Subject to  
General Requirements and  
Special Stipulations  
Attached

Post ID-1  
6-17-94  
Marbob & API

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. SIGNED Rehonda Nelson TITLE Production Clerk DATE 4/29/94

(This space for Federal or State office use)

PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_  
APPROVED BY Scott Powers (for) AREA MANAGER DATE 5-31-94

APPROVAL OF THIS APPLICATION DOES NOT WARRANT OR CERTIFY THAT THE APPLICANT HOLDS LEGAL OR EQUITABLE TITLE TO THOSE RIGHTS IN THE SUBJECT LEASE WHICH WOULD ENTITLE THE APPLICANT TO CONDUCT OPERATIONS THEREON.

It is a crime for any person knowingly and willfully to make to any department or agency of the

DISTRICT I  
P.O. Box 1980, Hobbs, NM 88240

State of New Mexico  
Energy, Minerals and Natural Resources Department

Form C-102  
Revised February 10, 1994  
Instruction on back  
Submit to Appropriate District Office  
State Lease - 4 Copies  
Fee Lease - 3 Copies

DISTRICT II  
P.O. Drawer DD, Artesia, NM 88210

OIL CONSERVATION DIVISION

P.O. Box 2088  
Santa Fe, New Mexico 87504-2088

DISTRICT III  
1000 Rio Brazos Rd., Aztec, NM 87410

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number <b>30-015-27989</b>	Pool Code <b>28509</b>	Pool Name <b>Grbg Jackson SR Q Grbg SA</b>
Property Code <b>6497</b>	Property Name <b>BURCH KEELY UNIT</b>	Well Number <b>228</b>
OGRID No. <b>014049</b>	Operator Name <b>MARBOB ENERGY CORP.</b>	Elevation <b>3574'</b>

Surface Location

UL or lot No. <b>N</b>	Section <b>23</b>	Township <b>17S</b>	Range <b>29E</b>	Lot Idn	Feet from the <b>450</b>	North/South line <b>SOUTH</b>	Feet from the <b>1345</b>	East/West line <b>WEST</b>	County <b>EDDY</b>
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<sup>11</sup> 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
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Dedicated Acres	Joint or Infill	Consolidation Code	Order No.
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NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED  
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

	<p><b>OPERATOR CERTIFICATION</b></p> <p>I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief.</p> <p><i>Rhonda Nelson</i> Signature</p> <p><u>Rhonda Nelson</u> Printed Name</p> <p><u>Production Clerk</u> Title</p> <p><u>04/29/94</u> Date</p> <p><b>SURVEYOR CERTIFICATION</b></p> <p>I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision and that the same is true and correct to the best of my belief.</p> <p><u>APRIL 19, 1994</u> Date Surveyed</p> <p><i>[Signature]</i> Signature &amp; Seal of Professional Surveyor</p> <p><u>W.O. Num. 94-11-0728</u></p> <p>Certificate No. <u>JOHN W. WEST, 676</u> <u>RONALD J. PEBSON, 3239</u> <u>GARY L. JONES, 7977</u></p>
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DRILLING PROGRAM  
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No other formations are expected to give up oil, gas, or fresh water in measurable quantities. The surface fresh water sands will be protected by setting 8 5/8 casing at 350' and circulating cement back to surface. Any shallower zones above TD which contain commercial quantities of oil and/or gas will have cement circulated across them by inserting a float shoe joint into the 5 1/2" production casing which will be run at TD.

4. Casing Program:

<u>Hole Size</u>	<u>Interval</u>	<u>OD csg</u>	<u>Weight, Grade, Jt. Cond. Type</u>			
12 1/4"	0 - 350"	8 5/8"	24#	J-55	LTC NEW	R-3
7 7/8"	0 - TD	5 1/2"	17#	J-55	LTC NEW	R-3

Cement Program:

8 5/8" Surface Casing: Cemented to surface with 300sx of Class C w/2% cc.

5 1/2" Production Casing: Cemented with 1100sx Class C. Will attempt to circulate to surface.

5. Minimum Specifications for Pressure Control:

The blowout preventer equipment (BOP) shown in Exhibit #1 will consist of a double ram-type (3000 psi wp) preventer. This unit will be hydraulically operated and the ram-type preventer will be equipped with blind rams on top and 4-1/2" drill pipe rams on bottom. This BOP will be nipped up on the 8 5/8" surface csg and used continuously until TD is reached. All BOP's and accessory equipment will be tested to 1000 psi before drilling out of surface casing.

Pipe rams will be operationally checked each 24 hour period. Blind rams will be operationally checked on each trip out of the hole. These checks will be noted on the daily tour sheets. A 2" kill line and a 3" choke line will be included in the drilling spool located below the ram-type BOP. Other accessories to the BOP equipment will include a kelly cock and floor safety valve (inside BOP) and choke lines and choke manifold with 3000 psi WP rating.