

UNITED STATES
DEPARTMENT OF THE INTERIOR **OCD-ARTESIA**
BUREAU OF LAND MANAGEMENTFORM APPROVED
OMB No 1004-0137
Expires March 31, 2007

5. Lease Serial No.

NMLC028793C

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No

NMNM88525X

8. Well Name and No.

Burch Keely Unit #102 WIW

9. API Well No.

30-015-04212

10. Field and Pool, or Exploratory Area

Grbg Jackson SR Q Grbg SA

11. County or Parish, State

Eddy Co., NM**SUBMIT IN TRIPLICATE- Other instructions on reverse side.**

1. Type of Well

☐

Oil Well

☐

Gas Well

☒

Other

2. Name of Operator

Marbob Energy Corporation

3a. Address

PO Box 227, Artesia, NM 88211-0227

3b. Phone No. (include area code)

575-748-3303

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

990 FSL 2310 FEL, Sec. 19-T17S-R30E, Unit O

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input checked="" type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

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 recompleat 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 recompleat 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.)

Marbob Energy Corporation proposes to plug & abandon this well as follows:**Notify BLM 24 hrs before starting plugging procedure.**

Circ 40 bbls 9 ppg brine mixed w/ 25 sx per 100 bbls salt gel into well. Set CIBP + 35' cmt @ 2500'. Shoot 4 sqz holes @ 1030', 4 sqz holes @ 660' & 4 sqz holes @ 200'. Set rtmr @ 980'. If injection can be established, pump 55 sx Class "C" neat cmt. put 40 sx below rtmr, sting out & spot 15 sx on top of rtmr. If injection can't be established, spot 15 sx class "C" cmt + 2% CaCl2 on top of rtmr. If injection couldn't be established, WOC a couple of hrs & tag plug on top of rtmr. Set rtmr @ 610'. If injection can be established, pump 100 sx Class "C" neat cmt. Put 85 sx below rtmr, sting out & spot 15 sx on top of rtmr. If injection can't be established, spot 15 sx Class "C" cmt + 2% CaCl2 on top of rtmr. If injection couldn't be established, WOC a couple of hrs & tag plug on top of rtmr. Set rtmr @ 150'. If circulation or injection can be established, pump 200 sx Class "C" + 2% CaCl2 to fill the well from 200' to surface w/ cmt outside the 4 1/2"/7"/8 5/8" csgs. Sting out of rtmr & fill 4 1/2" csg from 150' to surface w/ 15 sx Class "C" + 2% CaCl2. If neither circulation nor injection could be established, fill 4 1/2" csg from 150' to surface w/ 15 sx Class "C" + 2% CaCl2. Cut wellhead & csgs off 3' below ground level & remove. Install BLM spec dry hole marker. Cut off anchors & reclaim location per BLM specs.

(See attached procedure & well bore schematics)

Note: This NOI replaces the one submitted on 10/15/07.

14. I hereby certify that the foregoing is true and correct
Name (Printed/Typed)**Diana J. Briggs**Title **Production Analyst**

Signature

Date

12/11/2007**APPROVED****DEC 20 2007****LES BABYAK
PETROLEUM ENGINEER****THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by

Title

Date

Conditions of approval, if any, are attached. Approval of this notice 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.

Office

JAN 02 2008**Gerry Guye, Deputy Field Inspector**

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person 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.

(Instructions on page 2)

**SEE ATTACHED FOR
CONDITIONS OF APPROVAL**

Revised 26 Nov 07

DEC 26 2007
OCD-ARTESIA

BKU 102
990' fsl, 2310' fel
Unit O, Sec. 19, T17S, R30E
Eddy Co., NM
LC-028793-C

Plug and Abandonment Procedure
5 May 2007

Basic Data:

8-5/8" @ 560' 50 sx. Calc TOC 440' assuming 13" hole.

7" @ 2701' 100 sx. Calc. TOC 1675' assuming 8-1/2" hole.

4-1/2" @ 2698' 725 sx. Circulated cement to surface.

Note: Notify BLM inspectors in Carlsbad (887-6544) at least 24 hrs. before starting plugging operation. The use of cement plugs inside the 4-1/2" casing less than 25 sx in size was approved by Mr. Tim Gum with NMOCD on 26 November 2007. Mr. Gum requires the plugs to be at least 100' in length and wants them tagged if we are unable to establish injection and pump cement below the retainer. They don't have to be tagged if we are able to pump cement below the retainers. The 15 sk plugs will occupy approximately 227' inside the 4-1/2" casing--well in excess of the required 100'. The plug size reduction was discussed with Mr. Wesley Ingram with BLM on 26 November 2007.

Procedure:

1. Circulate 40 bbls of 9 ppg brine mixed with 25 sx per 100 bbls of salt gel into well. POOH with packer and tubing. If tubing in good shape, can use it for plugging. If in bad or questionable condition, lay injection tubing down and pick up a work string. Run bit and scraper to 2600'. Knock out tight spot near the surface.
2. Install packoff, run gauge ring to 2500' if necessary and set CIBP + 35' cement at 2500'. Shoot 4 squeeze holes at 1030' (100' below base salt at 930'), 4 squeeze holes at 660' (100' below 8-5/8" shoe) and 4 squeeze holes at 200'.
3. Set retainer at 980'. RIH with tubing and attempt to establish injection into perfs at 1030'. If injection can be established, pump 55 sx Class "C" neat cement. Put 40 sx. below retainer, sting out and spot 15 sx on top of retainer. If injection can't be established, spot 15 sx. Class "C" cement + 2% CaCl₂ on top of retainer (14.8 ppg, 1.32 cfps, 6.3 gwps). If injection could not be established, WOC a couple of hours and tag plug on top of retainer. TOC must be 880' or shallower (should tag at approx. 750'). No tag is necessary if we were able to pump cement below the retainer.
4. Set retainer at 610'. RIH with tubing and attempt to establish injection into perfs at 660'. If injection can be established, pump 100 sx Class "C" neat cement. Put 85 sx. below retainer, sting out and spot 15 sx on top of retainer. If injection can't be established, spot 15 sx. Class "C" cement + 2% CaCl₂ on top of retainer (14.8 ppg, 1.32 cfps, 6.3 gwps). If injection could not be established, WOC a couple of hours and tag plug on top of retainer. TOC must be 510' or shallower (should tag at approx. 380'). No tag is necessary if we were able to pump cement below the retainer.

5. Set retainer at 150', RIH with tubing and attempt to establish circulation to surface up the 8-5/8" x 7" annulus and outside the 8-5/8". If circulation can't be established, attempt to establish injection into squeeze holes at 200'. If circulation or injection can be established, pump 200 sx. Class "C" + 2% CaCl₂ (14.8 ppg, 1.32 cfps, 6.3 gwps) to fill the well from 200' to surface with cement outside the 4-1/2"/7"/8-5/8" casings. Pump more cement if necessary to achieve circulation to surface (if in circulation scenario). Sting out of retainer and fill 4-1/2" casing from 150' to surface with 15 sx. Class "C" + 2% CaCl₂. If neither circulation nor injection could be established, fill 4-1/2" casing from 150' to surface with 15 sx. Class "C" + 2% CaCl₂.
6. Cut wellhead and casings off 3' below ground level and remove. If circulation to surface could not be established in Step 5 above and the 8-5/8" and 8-5/8" x 7" annuli aren't filled to surface, fill them to surface with cement before welding the plate onto the 8-5/8".
7. Weld plate onto 8-5/8" stub. Weld a 4" diameter dry hole marker onto plate such that 4' of it is above ground level. The following information needs to be placed on the marker:

Marbob Energy, BKU 102, 990' fsl, 2310' fel, Unit O, Sec. 19, T17S, R30E, LC-028793-C
Date well plugged

7. Cut off anchors, and reclaim location per BLM specs.

Kbc/bku 102 plug

Well: BKU 102.
(Bench C #2)

(Brin C#)

Location: 790' ECL 2310' FEL

0-17-175-202

EW NM

30-015-04212

Zeros: 64

KB 1

GL :

Casing Program:

Size	Wt.	Grade	Conn.	Depth
8 5/8"	24	LNPMH		560'
7"	20	H4D	STC	2701'
4 1/2"	11.6	J55	LTC	2698'

3192: D. F. Top Salt 530', Box Salt 930' 1 shot

Run 2700' 4 1/2 c.s.g.

725 ex 5151402. Circ cmst out
of 7" & 8 3/8". Size 125 ex
into parts 2540-2624. Circ
150 ex. 10 pit.

⊗ Probably some cement in 8 5/8" & 7" annuli since cement circulated out of both when cementing 4 1/2" csg.

Nov 1954

TOC 440' Calc (13" hole)

85-4560

50% cont + 40% adj

TOC 1675' Calc (8 1/2" hrb)

2540'

2624'

$$7'' @ 2701' + 4\frac{1}{2}'' @ 2698'$$

1005N

725 SD130A12

Gring

S Andrus OH

3246'

3246

BEFORE

3246

Sanders OH

7" @ 2701' + 4 1/2" @ 2698'
1005' 2540'
725 50150 P. 2

AFTER

TDC 1675' Calc (8 1/2" hole)

Probably some cement in 8 5/8" @ 7" annuli since cement circulated out of both when cementing 4 1/2" csg.
725' 50150 P. 2. Calc cement out of 7" @ 8 5/8". Size 125' x 150' x 14' pit.
14' to 15' 2540' - 2624' Calc

5198' 11.6' top salt 530', 130' 544' 930' 1 shot

Size	Wt.	Grade	Conn.	Depth
8 5/8"	24	LD		560'
7"	20	HD	STC	2701'
4 1/2"	11.6	355	STC	2698'

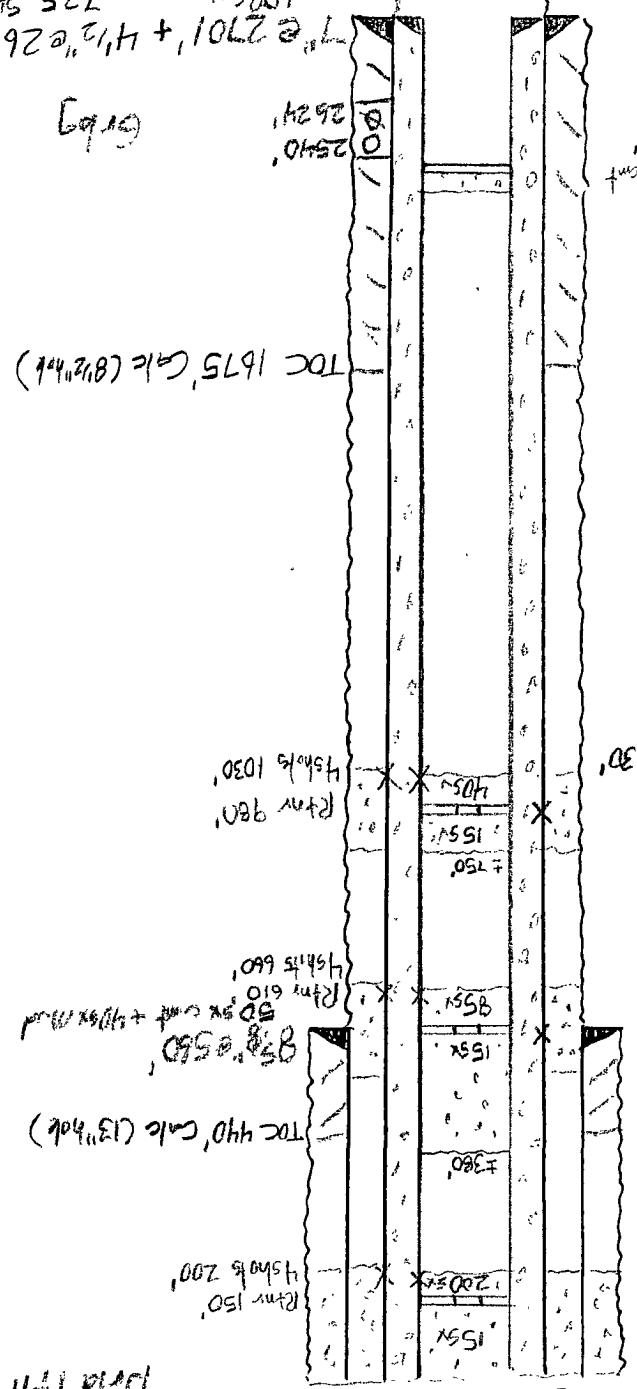
Casing Program:
Size Wt. Grade Conn. Depth
GL: _____
RB: _____
Zero: _____

Old 1041

30-015-04212
E-441 NM
0-19-175-302
Location: 990' FEL 2310' FEL

BKV 102
(BKV C #3)

Well:



2500' CIP + 55' cement

1 shot 930'

not 530'

23"