

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OCD-ARTESIA

OCT 05 2009

FORM APPROVED
OMB No 1004-0137
Expires July 31, 2010

SUNDRY NOTICES AND REPORTS ON WELLS

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

SUBMIT IN TRIPLICATE - Other Instructions on page 2

1 Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other		5 Lease Serial No NMLC028784B
2 Name of Operator Marbob Energy Corporation		6 If Indian, Allottee, or Tribe Name
3a Address PO Box 227 Artesia, NM 88211-0227		7 If Unit or CA Agreement Name and/or No NMNM88525X
3b Phone No (include area code) (575) 748-3303		8 Well Name and No Burch Keely Unit #68
4 Location of Well (Footage, Sec., T., R., M., or Survey Description) 1980 FNL 660 FEL, Sec. 23-T17S-R29E, Unit H		9 API Well No 30-015-03121 ⁰³⁰⁵⁵
		10 Field and Pool, or Exploratory Area Grbg Jackson; SR-Q-Grbg-SA
		11 County or Parish State Eddy Co., NM

12. CHECK APPROPRIATE BOX(S) 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"/> Altering 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 or pertinent markers and sands. Attach the Bond under which the work will performed or provide the Bond No on file with the BLM/ BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in amultiple completion or recompleation in anew interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notice shall be filed only after all requirements, including reclamanon, 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.

(See attached procedure & wellbore schematics)

RECLAMATION PROCEDURE
ATTACHED

SEE ATTACHED FOR
CONDITIONS OF APPROVAL

14 I hereby certify that the foregoing is true and correct Name (Printed Typed) Diana J Briggs		Title Production Manager
Signature <i>Diana Briggs</i>		Date
THIS SPACE FOR FEDERAL OR STATE OFFICE USE		
Approved by <i>Dustin Winkler</i>		Title Office
Title 18 USC Section 1001 AND Title 43 USC Section 1212, make it acrimie for any person knowinglly making a false statement or representation as to any matter within its jurisdiction		
(Instructions on page 2)		

APPROVED

OCT 1 2009

/s/ Dustin Winkler

BUREAU OF LAND MANAGEMENT
CARLSBAD FIELD OFFICE

BKU 68
1980' fnl, 660' fel
Unit H, Sec. 23, T17S, R29E
Eddy Co., NM
LC-028784-B

RECEIVED

SEP 11 2009

[...KDC.....]

Plug and Abandonment Procedure
10 Sept 09

Basic Data:

8-5/8" @ 440' 50 sx. Calc TOC 80' assuming 10" hole plus 30% excess.
7" @ 2564' 100 sx. Calc. TOC 1350' assuming 8" hole plus 30% excess.
5-1/2" liner 2516-3290' TOC 2835' TS

Note: Notify BLM inspectors in Carlsbad (887-6544) at least 24 hrs. before starting plugging operation.

Procedure:

1. If tubing in good shape, can use it for plugging. If in bad or questionable condition, lay tubing down and pick up a work string. Run bit and scraper to 2425'.
2. Install packoff, run gauge ring to 2425' if necessary and set CIBP + 35' cement at 2400'. Shoot 8 squeeze holes at 890' (100' below base salt at 790'), 8 squeeze holes at 540' (100' below 8-5/8" shoe) and 8 squeeze holes at 75'.
3. RIH with tubing to approx. 2350' and circulate 100 bbls of 9 ppg brine mixed with 25 sx per 100 bbls of salt gel into well. POOH with tubing.
4. Set retainer at 840'. RIH with tubing and attempt to establish injection into perfs at 890'. If injection can be established, pump 75 sx Class "C" neat cement. Put 50 sx. below retainer, sting out and spot 25 sx on top of retainer. If injection can't be established, spot 25 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 740' or shallower (should tag at approx. 700'). No tag is necessary if we were able to pump cement below the retainer.
5. Set retainer at 490'. RIH with tubing and attempt to establish injection into perfs at 540'. If injection can be established, pump 125 sx Class "C" neat cement. Put 100 sx. below retainer, sting out and spot 25 sx on top of retainer. If injection can't be established, spot 25 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 390' or shallower (should tag at approx. 350'). No tag is necessary if we were able to pump cement below the retainer.
6. Tie onto 7", pump down 7" casing and attempt to establish circulation to surface up the 8-5/8" x 7" annulus and outside the 8-5/8". If circulation or injection can be established, pump 75 sx. Class "C" + 2% CaCl₂ (14.8 ppg, 1.32 cfps, 6.3 gwps) to fill the well from 75' to surface with cement inside the 7" and cement outside the 7" and 8-5/8" casings. Pump more cement if necessary to achieve circulation to surface (if in circulation scenario). If neither circulation nor injection could be established, fill 7" casing from 125' to surface with 25 sx. Class "C" + 2% CaCl₂.

7. Cut wellhead and casings off 3' below ground level and remove. If circulation to surface could not be established in Step 6 above and the 8-5/8" and/or 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".
8. 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 68, 1980' fnl, 660' fel, Unit H, Sec. 23, T17S, R29E, LC-028784-B
Date well plugged

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

Kbc/bku 68 plug

Well: BKV 68

(Burch BB-8)

Location: 1980' FNL 660' FEL

H-23-173-290

Eddy NM

30-013-03121

Zero: 3' AGL

KB: 3578'

GL: 3575'

LC 028784-B

Casing Program:

Size	Wt.	Grade	Conn.	Depth
8 5/8"	28			440'
7"	24			2564'
5 1/2"	17			2516-3270'

Ø 2 1/4"

10" hole + 30% x 8 5/8" = .182 CF/F

8" hole + 30% x 7" = .106 CF/F

8 5/8" x 7" : .10833 CF/F

7" : .1273 CF/F

TDS: 405'

BOS: 790'

TOC 80' Calc 10" hole + 30% excess

8 5/8" @ 440'
505x

TOC 1350' Calc 8" hole + 30% excess

2442-2474' (24) Grbg

7" @ 2564'
1005x

2739'

(62)

S.A. dies

3186'

5 1/2" liner 2516-3270' 58x

S. Andrus 2H 3270-3384'

10"

8"

6 1/4"

TOC 2035' TS

OP 3250'

"B: Fore"

Well: BKV 68

(Burch BB-8)

Location: 1980' FNL 660' FEL

H-23-173-290

Edd. NM

30-D13-03121

Zero: 3' AGL

KB: 3578'

GL: 3575'

LC 028784-B

Casing Program:

Size	Wt.	Grade	Conn	Depth
8 5/8"	28			440'
7"	24			2564'
5 1/2"	17			2516-3290'

Ø 2 1/43

10" hole + 30% x 8 5/8" = .182 CF/F

8" hole + 30% x 7" = .106 CF/F

8 5/8" x 7" = .10833 CF/F

7" = .2273 CF/F

10"

TDS: 405'

BOS: 790'

8 shots 75'

TOC 80' Calc 10" hole + 30% excess

± 350'

255x

100 2x

8 5/8" x 440'

505x

8 shots 540'

Rtnr 490'

8"

± 700'

255x

505x

8 shots 890'

Rtnr 840'

TOC 1350' Calc 8" hole + 30% excess

CIBP 435' cont
2400'

2442-2474' (24) Grbgs

7 1/2" 2564'

100 5x

6 1/4"

TOC 2035' TS

2737'

(62)

S. Arches

3186'

5 1/2" hole 2516-3290' 35 5x

S. Arches 2H 3270-3381'

BP 3230'

"After"

Marbob Energy Corporation
NMLC-028784B: Burch Keely Unit #68
API: 30-015-03055
Eddy County, New Mexico

RE: Plugging and Abandonment Procedure, Conditions of Approval

1. OK
- 1a. Drill out bridge plug at 3250 and spot plug from TD (3384') to 3240'. (Open Hole – Casing shoe)
- 1b. Set CIBP at 2880' and bail 35' or pump 25 sx on top.
2. CHANGE: Perf 5-1/2" at 2614' and squeeze a plug to the top of liner and spot on inside of casing from perfs up to 2392'. If injection cannot be established, spot plug 50' below the perfs. WOC and tag at 2392' or shallower. (Casing shoe – Top of liner – Perfs – San Andres)
3. OK
4. CHANGE: Perf at 840' and squeeze a 110' plug (minimum 25 sx). If injection cannot be established, spot plug 50' below the perfs. WOC and tag at 730' or shallower. (BOS)
5. CHANGE: Perf at 490' and squeeze a plug in and out to 335'. If injection cannot be established, spot plug 50' below the perfs and refer to step 5a. WOC and tag at 335' or shallower. (Casing shoe – TOS)
- 5a. Contingency Plug – If injection rate was not established on above plug, perf and squeeze 100' above the tagged depth. Plug is to be a minimum 100' and 25sx.
6. CHANGE: Perf at 75' and squeeze a plug in and out to surface. If injection cannot be established, spot plug 50' below the perfs, and 1" annulus.
7. OK
8. OK
9. OK
10. Submit subsequent report, with details.

See attached standard COA.

It is recommended that H2S monitoring and protection is available on site.

DHW 100109

BUREAU OF LAND MANAGEMENT
Carlsbad Field Office
620 East Greene Street
Carlsbad, New Mexico 88220
575-234-5972

Permanent Abandonment of Federal Wells
Conditions of Approval

Failure to comply with the following Conditions of Approval may result in a Notice of Incidents of Noncompliance (INC) in accordance with 43 CFR 3163.1.

1. Plugging operations shall commence within ninety (90) days from the approval date of this Notice of Intent to Abandon.

If you are unable to plug the well by the 90th day provide this office, prior to the 60th day, with the reason for not meeting the deadline and a date when we can expect the well to be plugged. Failure to do so will result in enforcement action.

2. **Notification:** Contact the appropriate BLM office at least 24 hours prior to the commencing of any plugging operations. For wells in Chaves and Roosevelt County, call 575-627-0272; Eddy County, call 575-361-2822; Lea County, call 575-393-3612.

3. **Blowout Preventers:** A blowout preventer (BOP), as appropriate, shall be installed before commencing any plugging operation. The BOP must be installed and maintained as per API and manufacturer recommendations. The minimum BOP requirement is a 2M system for a well not deeper than 9,090 feet; a 3M system for a well not deeper than 13,636 feet; and a 5M system for a well not deeper than 22,727 feet.

4. **Mud Requirement:** Mud shall be placed between all plugs. Minimum consistency of plugging mud shall be obtained by mixing at the rate of 25 sacks (50 pounds each) of gel per 100 barrels of **brine** water. Minimum nine (9) pounds per gallon.

5. **Cement Requirement:** Sufficient cement shall be used to bring any required plug to the specified depth and length. Any given cement volumes on the proposed plugging procedure are merely estimates and are not final. Unless specific approval is received, no plug except the surface plug shall be less than 25 sacks of cement. In lieu of a cement plug in a cased hole, a bridge plug set within 50 feet to 100 feet above the perforations shall be capped with 25 sacks of cement. If a bailer is used to cap this plug, 35 feet of cement shall be sufficient.

Unless otherwise specified in the approved procedure, the cement plug shall consist of either Neat Class "C", for up to 7,500 feet of depth or Neat Class "H", for deeper than 7,500 feet plugs.

6. **Dry Hole Marker:** All casing shall be cut-off at the base of the cellar or 3 feet below final restored ground level (whichever is deeper). The well bore shall then be capped with a 4-inch pipe, 10-feet in length, 4 feet above ground and embedded in cement. The following information shall be permanently inscribed on the dry hole marker: well name and number, name of the operator, lease serial number, surveyed location (quarter-quarter section, section, township and range or other authorized survey designation acceptable to the authorized officer such as metes and bounds).

7. **Subsequent Plugging Reporting:** Within 30 days after plugging work is completed, file one original and five copies of the Subsequent Report of Abandonment, Form 3160-5 to BLM. The report should give in detail the manner in which the plugging work was carried out, the extent (by depths) of cement plugs placed, and the size and location (by depths) of casing left in the well. **Show date well was plugged.**

8. **Trash:** All trash, junk and other waste material shall be contained in trash cages or bins to prevent scattering and will be removed and deposited in an approved sanitary landfill. Burial on site is not permitted.

Following the submission and approval of the Subsequent Report of Abandonment, surface restoration will be required. See attached reclamation procedure.

JDW 072709



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Carlsbad Field Office
620 E. Greene St
Carlsbad, New Mexico 88220-6292
www.blm.gov/nm



In Reply Refer To 1310

Interim Reclamation Procedures

Reclamation Objective: Oil and gas development is one of many uses of the public lands and resources. While development may have a short- or long-term effect on the land, successful reclamation can ensure the effect is not permanent. During the life of the development, all disturbed areas not needed for active support of production operations should undergo "interim" reclamation in order to minimize the environmental impacts of development on other resources and uses.

Interim reclamation consists of minimizing the footprint of disturbance by reclaiming all portions of the well site not needed for production operations. The portions of the cleared well site not needed for operational and safety purposes are recontoured to a final or intermediate contour that blends with the surrounding topography as much as possible. Sufficient level area remains for setup of a workover rig and to park equipment. Topsoil is respread over areas not needed for all-weather operations. Production facilities should be clustered to maximize the opportunity for interim reclamation. In order to inspect and operate the well or complete workover operations, it may be necessary to drive, park, and operate on restored, interim vegetation within the previously disturbed area. This is generally acceptable provided damage is repaired and reclaimed following use.

To reduce final reclamation costs; maintain healthy, biologically active topsoil; and to minimize habitat, visual, and forage loss during the life of the well, all salvaged topsoil should be spread over the area of interim reclamation, rather than stockpiled.

1. The Application for Permit to Drill or Reenter (APD, Form 3160-3), Surface Use Plan of Operations must include adequate measures for stabilization and reclamation of disturbed lands. Oil and Gas operators must plan for reclamation, both interim and final, up front in the APD process as per Onshore Oil and Gas Order No. 1.
2. For wells and/or access roads not having an approved plan, or an inadequate plan for surface reclamation (either interim or final reclamation), the operator must submit a proposal describing the procedures for reclamation. For interim reclamation, the appropriate time for submittal would be when filing the Well Completion or Recompletion Report and Log (Form 3160-4). Interim reclamation is to be completed within 6 months of well completion.
3. If you have an approved Surface Use Plan of Operation and/or an approved Sundry Notice, you are free to proceed with interim reclamation as per approved APD or Sundry Notice. If you have issues or concerns, contact a BLM specialist to assist you. It would be in your interest to have a BLM specialist look at the location and access road prior to the removal of reclamation equipment to ensure that it meets BLM objectives. Upon conclusion submit a Form 3160-5, Subsequent Report of Reclamation. This will prompt a specialist to inspect the location to verify work was completed as per approved plans.
4. The approved Subsequent Report of Reclamation will be your notice that the native soils, contour and seedbed have been reestablished. If the BLM objectives have not been met the operator will be notified and corrective actions may be required.
5. It is the responsibility of the operator to monitor these locations and/or access roads until such time as the operator feels that the BLM objective has been met.

If there are any questions, please feel free to contact any of the following specialists:

Jim Amos
Supervisory Environmental Protection Specialist
575-234-5909, 575-361-2648 (Cell)

Cody Layton
Natural Resource Specialist
575-234-5959

Terry Gregston
Environmental Protection Specialist
575-234-5958

Trishia Bad Bear
Natural Resource Specialist
575-393-3612

Bobby Ballard
Environmental Protection Specialist
575-234-2230

Todd Suter
Surface Protection Specialist
575-234-5987

Randy Rust
Environmental Protection Specialist
575-234-5943

Doug Hoag
Civil Engineering Technician
575-234-5979

Linda Denniston
Environmental Protection Specialist
575-234-5974

Jennifer Van Curen
Environmental Protection Specialist
575-234-5905

Justin Frye
Environmental Protection Specialist
575-234-5922