COPY for O.C.D.

Form 3160-5
(April 2004)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

I&E-CFO

FORM APPROVED
OM B No. 1004-0137
Expires: March 31, 2007

ENTERED

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 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)*: **505-748-3303**
4. Location of Well *(Footage, Sec., T., R., M., or Survey Description)*: **660 FSL 1980 FWL, Sec. 11-T17S-R29E, Unit N**
5. Lease Serial No.: **NMLC028731B**
6. If Indian, Allottee or Tribe Name:
7. If Unit or CA/Agreement, Name and/or No.: **NMNM111789X**
8. Well Name and No.: **Dodd Federal Unit #17**
9. API Well No.: **30-015-20029**
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(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
☑ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
☐ Subsequent Report	☐ Alter Casing	☐ Fracture Treat	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☐ Other
	☐ Change Plans	☑ Plug and Abandon	☐ Temporarily Abandon	
	☐ Convert to Injection	☐ Plug Back	☐ 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 recomplete 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 recompletion 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.)

SEE ATTACHED FOR CONDITIONS OF APPROVAL

Plug and abandon as follows:

Notify BLM 24 hours before starting plugging operation.

1. POOH w/ pkr & tbg.
2. Shoot 4 sqz holes @ 895' (50' below base salt @ 845').
3. Set CIBP on tbg @ 2400'. Spot 10 sx Class "C" neat cmt on top of CIBP. Pull up to 2100' & circ well bore full of 9 ppg brine mixed w/ 25 sx per 100 bbs of salt gel (appx 35 bbls csg volume).
4. Pull tbg to 745'. Pump 45 sx Class "C" + 2% CaCl2 to the end of the tbg (placing cmt inside & outside the csg). TOOH w/ tbg, load csg. WOC a couple of hours & tag cmt w/ tbg.
5. Shoot 4 sqz holes @ 562' (50' below 8 5/8" shoe @ 512'). Pump 175 sx Class "C" + 2% CaCl2 down 5 1/2" csg & up 8 5/8" x 5 1/2" annulus to fill the well from 562' to surface w/ cmt.
6. Cut wellhead & csg off 3' below ground level & remove. Weld plate onto 8 5/8" stub. Weld 4" dry hole marker onto plate such that 4' of it is above ground level.
7. Cut off anchors & reclaim location per BLM specs.

2753

Accepted for record
NMOCD

ENTERED IN AFMSS

RECEIVED
2006 JUN 21 P 12:30
OCD - ARTESIA

14. I hereby certify that the foregoing is true and correct
Name *(Printed/Typed)*: **Diana J. Briggs** Title **Production Analyst**
Signature: Diana J. Briggs Date **06/13/2006**

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by: (ORIG. SGD.) ALEXIS C. SWOBODA Title PETROLEUM ENGINEER Date JUN 19 2006

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

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 anymatter within its jurisdiction.

(Instructions on page 2)

Form 3160-13
(April 1993)

UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

ENTERED 10-30-06 DC

INSPECTION RECORD - ABANDONMENT

Lease No./Unit/CA	State	District	Field Area
NMNM111789X	NM	CARLSBAD FIELD OFFICE	GRAYBURG

Well Name:	Well Number:	Hazard?
DODD FEDERAL UNIT	17	No

API No.	Location 1/4, 1/4, S-T-R (Lat/Long)	Spud Date	Status
30015200290OS1	SESW 11 17S 29E	06/12/1967	WIW

Operator/Representative	Rig/Contractor/Representative
MARBOB ENERGY CORPORATION	PETE - MAYO MARES 432-940-0653

Well Type: (Circle One)
Dry Hole Depleted Producer Service (Water Well) Etc.

INSP. TYPE	ACT. CODE	INSPECTOR	OPEN DATE	CLOSED DATE	OFFICE TIME	TRAVEL TIME	INSPECT. TIME	TRIPS
TD		CARTER	10-26-06	10-27-06	.6	2	4	2
PD								

PLUGGING OPERATIONS

	WITNESSED YES	NO	N/A
1. Plugs spotted across perforations if casing set?	✓		
2. Plugs spotted at casing stubs?			✓
3. Open hole plugs spotted as specified?			✓
4. Retainers, bridge plugs, or packers set as specified?	✓		
5. Cement quantities as specified?	✓		
6. Method of verifying and testing plugs as specified?	✓		
7. Pipe withdrawal rate satisfactory after spotting plugs?	✓		
8. All annular spaces plugged to surface?	✓		
9. INC issued?		✓	

Plug Tested: ☐ No ☐ Pressured ☒ Tagged
If tested, which plug(s): BOTTOM

Bottom Plug: Type Plug CIBP Depth(s) 2400 Amount of Cement 25 SXS

Stub Plug: Type Plug _____ Depth(s) _____ Amount of Cement _____

Intermediate Plug: Type Plug SQZ Depth(s) 895' Amount of Cement 45 SXS
SET @ 895 - 774

Surface Shoe Plug: Amount of Cement 155 SX Top of Plug SURF

Other: Type of Plug TO SURF Depth(s) 562' - SURF Amount of Cement 155 SXS

Cement and mechanical plug placement data *(attach service company report, if available)*: _____

Remarks:

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BALANCE PLUG PROGRAM

CALCULATION

	Size	Weight	cf/lf	lf/cf	bbl/ft	ft/bbl
Hole/Casing						
Casing						
Tubing/D.P.						
Annular Volume						

Plug Set at _____ Size of Plug _____

H_2O Ahead _____ bbl Cement Class _____ Additions _____

H_2O Req: _____ gal/sk _____ cf/sk

Slurry Wt: _____ lbs/gal _____ lbs/cf

Slurry Vol: _____ cf/sk

CEMENT VOLUMES: _____ cf _____ bbls

Hole cap (cf/lf) x size of plug = cf x .1781 = bbls

SACKS OF CEMENT: _____ sks

SEE WORKSHEETS FOR CALCS.

Cmt vol (cf) / slurry vol (cf/sk)

MIXING H_2O REQUIRED: _____ bbls

Sks of cmt x H_2O req (gal/sk = gallons / 42)

H_2O BEHIND: _____ bbls

Annular vol (ft/bbl) x H_2O ahead = _____ x tubing/D.P.(bbl/ft)

DISPLACEMENT: _____ bbls

Top of plug x tubing/D.P.(bbl/ft) = _____ tubing volume

CALCULATION

	Size	Weight	cf/lf	lf/cf	bbl/ft	ft/bbl
Hole/Casing						
Casing						
Tubing/D.P.						
Annular Volume						

Plug Set at 562 Size of Plug _____

H_2O Ahead _____ bbl Cement Class _____ Additions _____

H_2O Req: _____ gal/sk _____ cf/sk

Slurry Wt: _____ lbs/gal _____ lbs/cf

Slurry Vol: _____ cf/sk

CEMENT VOLUMES: _____ cf _____ bbls

Hole cap (cf/lf) x size of plug = cf x .1781 = bbls

SACKS OF CEMENT: 155 sks

155 SACKS CEMENT @ 562' PERFS - CEMENT CIRC TO SURF & OUT 8 5/8"

Cmt vol (cf) / slurry vol (cf/sk)

MIXING H_2O REQUIRED: _____ bbls

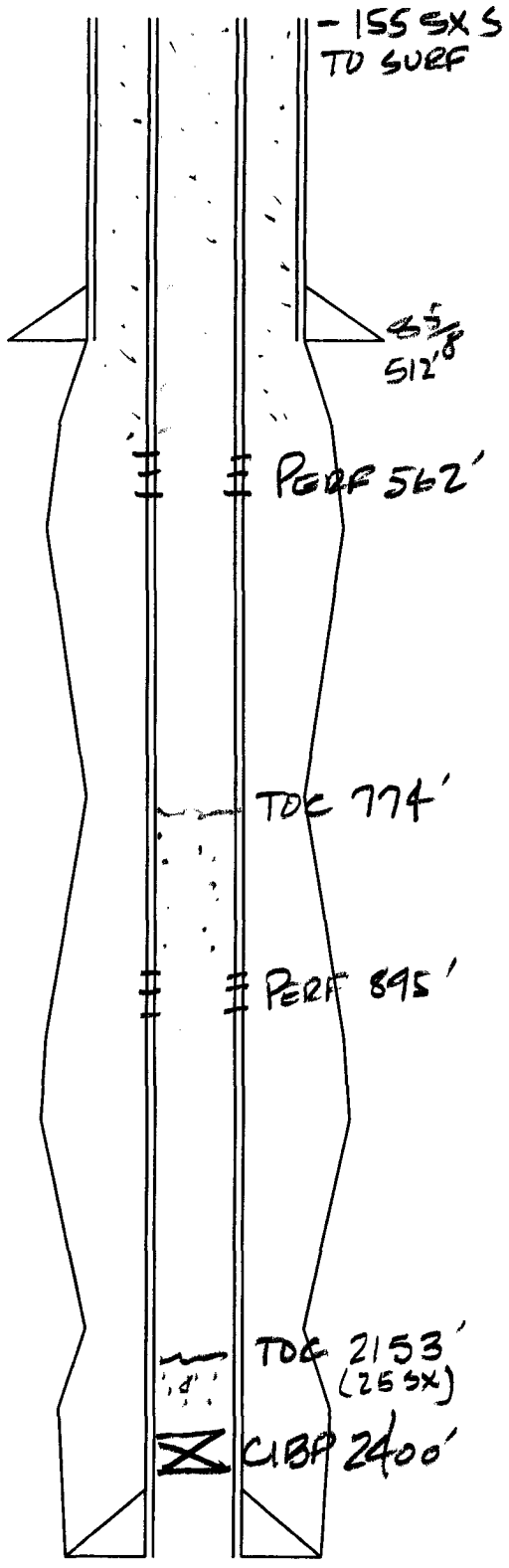
Sks of cmt x H_2O req (gal/sk = gallons / 42)

H_2O BEHIND: _____ bbls

Annular vol (ft/bbl) x H_2O ahead = _____ x tubing/D.P.(bbl/ft)

DISPLACEMENT: _____ bbls

Top of plug x tubing/D.P.(bbl/ft) = _____ tubing volume



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PRIORITY REMARKS

SUNDRY(ABD): NOI to P+A

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10-27-06

Marbob Dodd Fed #17

Balanced Plug Work Sheet for Two Diameter Plugs

Hole Size	7.875	inches	Hole Capacity	.3382	cuft/ft		
Pipe Size	5.5	inches	Pipe Capacity	.1305	cuft/ft		
Pipe Wt.	17	lbs/ft					
Plug Length	100	feet	Annular Vol. hole & Ws	.3075	cuft/ft		
Plug Depth	895	feet	Annular Vol. pipe & Ws	.0998	cuft/ft	.0178 (AV 2)	bbls/ft
Workstring	2.375	inches					
Workstring Wt.	4.7	lbs/ft	Workstring Capacity	.0217 (Ws cap.)	cuft/ft	.00387 (Ws cap.2)	bbls/ft
Cmt. Type	C	Class					
Cmt. Yield	1.32	cuft/sx	Preflush length		feet		
Mix H2O	6.32	gals/sx	Spacer length		feet		

1. How much cement is needed in cubic feet?

100 (Plug Length in casing) ft plug X .1305 (Pipe capacity) cuft/ft = 13.05 (A1) cuft

100 (Plug Length in hole) ft plug X .3382 (Hole capacity) cuft/ft = 33.83 (A2) cuft A1 + A2 = 46.88 (A) cuft

2. How many sacks is that?

46.88 (A) cuft ÷ 1.32 (Cement Yield) cuft/sx = 35.51 sxs

ROUND UP TO THE NEXT HIGHEST 5 SACKS = 40 (B) sxs

3. Convert sacks back to cubic feet.

40 (B) sxs X 1.32 (Cement Yield) cuft/sx = 52.8 (C) cuft

4. How many barrels of cement slurry?

52.8 (C) cuft X 0.1781 (Constant) bbls/cuft = 9.4 bbls cement to pump

5. How much mix water will be needed?

40 (B) sxs X 6.32 (Mix H2O) gals/sx ÷ 42 gal/bbl = 6.04 bbls

6. What is the height of the cement inside outside of the workstring in feet?

a. Hole volume with workstring in hole.

.3075 (AV b/t hole & workstring) (cuft/ft + .0217 (Ws cap.) cuft/ft) X 100 (Plug Length in hole) ft = 32.92 (HV) cuft

b. Height of cement column from bottom of workstring

52.8 (C) cuft - 32.92 (HV) cuft = 19.88 (C - HV) cuft

.0998 (AV b/t Pipe & workstring) cuft/ft + .0217 (Ws cap.) cuft/ft = .1215 (Y) cuft/ft

19.88 (C - HV) cuft ÷ .1215 (Y) cuft/ft + 100 (Plug Length in hole) ft = 563.68 (D) ft

7. How many barrels of preflush and spacer will be used?

ft (PL preflush length) X (AV 2) bbls/ft in annulus = bbls

ft (SL spacer length) X (Ws cap.2) bbls/ft in workstring = bbls

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8. How many barrels of displacement to balance the plug?

563.68 (D) ft + (SL spacer length) ft = 563.68 (D + SL) ft

895 (Plug Depth) ft - 563.68 (D + SL) ft X .00387 (Ws cap.2) bbls/ft = 1.28 bbls to displace

9. What is the length of the cement with the workstring out of the plug?

c. Hole volume with workstring out of hole.

.3382 (Hole capacity) cuft/ft X 100 (Plug Length in hole) ft = 33.82 (Z) cuft

d. Total plug length with workstring out of hole.

52.8 (C) ((cuft - 33.8 (Z) cuft) ÷ .1305 (Pipe capacity) cuft/ft) + 100 (Plug Length in hole) ft = 245.4 (E) ft

10. Where will top of cement be?

895 (Plug Depth) ft - 245.4 (E) ft = 649.61 ft

TAG @ 774'

10-27-06

MARBOB DODD FED #17

Balanced Plug Work Sheet for Single Diameter Plugs

Hole/Pipe Size	4.892	inches	Hole/Pipe Cap.	.1305	cuft/ft		
Plug Length	247	feet					
Plug Depth	2400	feet	Annular Vol.	.0998 (AV)	cuft/ft	.0178 (AV 2)	bbls/ft
Workstring	2.375	inches					
Workstring Wt.	4.7	lbs/ft	Workstring Capacity	.0217 (Ws cap.)	cuft/ft	.00387 (Ws cap.2)	bbls/ft
Cmt. Type	C	Class					
Cmt. Yield	1.32	cuft/sx	Preflush length		feet		
Mix H2O	6.32	gals/sx	Spacer length		feet		

62.0156 - 30.25
31.7656 = 1733

1. How much cement is needed in cubic feet?

247 (Plug Length) ft plug X .1305 (Hole/Pipe capacity) cuft/ft = 32.23 (A) cuft

2. How many sacks is that?

32.23 (A) cuft ÷ 1.32 (Cement Yield) cuft/sx = 24.419 sxs

23.931 - 5.64
18.291 * .005454
.0998

ROUND UP TO THE NEXT HIGHEST 5 SACKS

25 (B) sxs

3. Convert sacks back to cubic feet.

25 (B) sxs X 1.32 (Cement Yield) cuft/sx = 33 (C) cuft

4. How many barrels of cement slurry?

33 (C) cuft X 0.1781 (Constant) bbls/cuft = 5.87 bbls cement to pump

5. How much mix water will be needed? 158

25 (B) sxs X 6.32 (Mix H2O) gals/sx ÷ 42 gal/bbl = 3.76 bbls

6. What is the height of the cement inside outside of the workstring in feet?

.0998 (AV) cuft/ft + .0217 (Ws cap.) cuft/ft = .1215 (AV + Ws cap.) cuft/ft

33 (C) cuft ÷ .1215 (AV + Ws cap.) cuft/ft = 271.6 (D) ft

7. How many barrels of preflush and spacer will be used?

ft (PL preflush length) X (AV 2) bbls/ft in annulus = bbls

ft (SL spacer length) X (Ws cap.2) bbls/ft in workstring = bbls

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8. How many barrels of displacement to balance the plug?

271.6 (D) ft + — (SL spacer length) ft = 271.6 (D + SL) ft

2400 (Plug Depth) ft - 271.6 (D + SL) ft X .00387 (Ws cap.2) bbls/ft = 8.23 bbls to disp

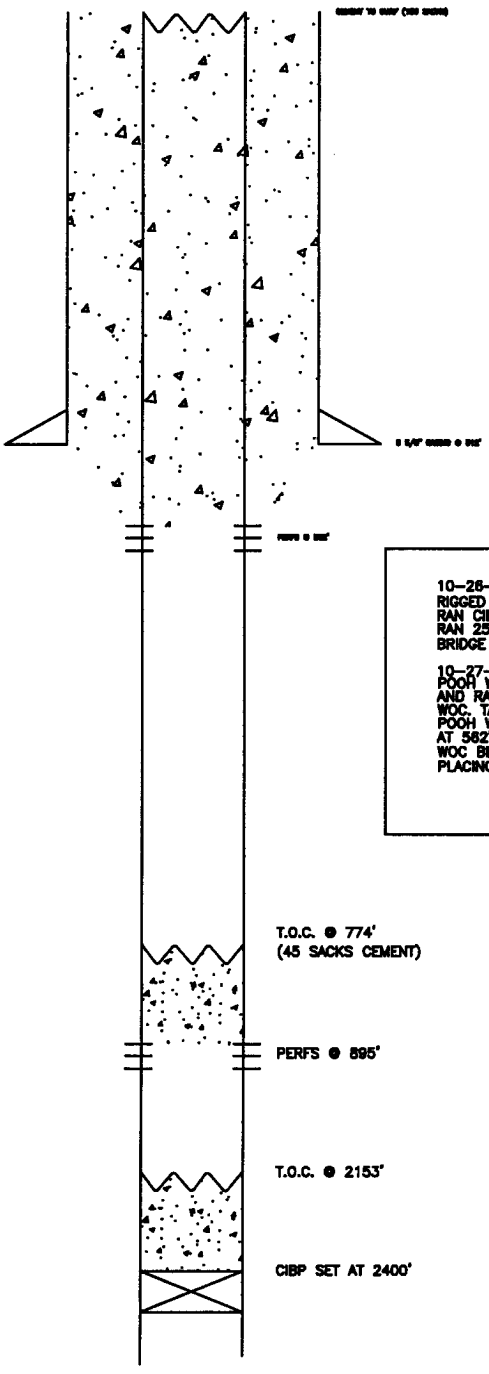
9. What is the height of the cement with the workstring out of the plug?

33 (C) cuft ÷ .1305 (Hole/Pipe capacity) cuft/ft = 252.8 (E) ft

10. Where will top of cement be?

2400 (Plug Depth) ft - (E) ft = 2147.2 ft Calc.

2153 T.O.C.



Accepted for record
NMOCD

MARBOB ENERGY CORP.
DODD FEDERAL UNIT #17
SEC 11 17S 29E