

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OCD-ARTESIA

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

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

FEB 27 2008

2 Name of Operator **Marbob Energy Corporation**

OCD-ARTESIA

3a. Address
PO Box 227, Artesia, NM 88211-02273b. Phone No. (include area code)
575-748-33034. Location of Well (Footage, Sec., T., R., M., or Survey Description)
660 FNL 660 FWL, Sec. 21-T25S-R29E, Unit D

5. Lease Serial No.

NMNM196848

6. If Indian, Allottee or Tribe Name

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

8. Well Name and No.

Save DA 21 Federal #1

9. API Well No.

30-015-34840

10. Field and Pool, or Exploratory Area

Willow Lake; Bone Spring, SE

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			
<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 type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input checked="" type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

WORKOVER TO ADD BONE SPRING PAY

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 perforate, acidize, test & possibly frac additional Bone Spring Sands zones as follows:

Set CIBP @ 9000'			
Bone Spring Sand 2	8690' - 8708' (38 shots)	750 gal NE Fe 7 1/2% HCl acid	150K# 16/30 white sand
Sec CIBP @ 8050'			
Bone Spring Sand 1	7838' - 7856' (38 shots)	750 gal NE Fe 7 1/2% HCl acid	100K# 16/30 white sand

(See attached procedure and wellbore schematics)

****THIS NOI REPLACES THE ONE SUBMITTED ON 12/19/07****

APPROVED

FEB 25 2008

LES BABYAK
PETROLEUM ENGINEER14. I hereby certify that the foregoing is true and correct
Name (Printed/Typed)**Diana J. Briggs**Title **Production Analyst**

Signature

Date

01/30/2008**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

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****Accepted for record - NMOC**

Save DA 21 Fed 1
D-21-25S-29E
Eddy Co., NM
7 Dec 07

Basic Data:

13-3/8" @ 333' Circ. Cmt.
8-5/8" @ 2723' Circ. Cmt.
5-1/2" @ 9318' DV @ 6032' TOC @ 4900' CBL
5.5"/17ppf/J55/LTC Burst=5320 psi, 4256 psi at 80% Nom. ID=4.892" Drift ID=4.767"
5.5"/17ppf/M95-110/LTC Burst=10640 psi, 8512 psi at 80% Nom. ID=4.892" Drift ID=4.767"
2.875"/6.5ppf/J55/EUE Burst=7260 psi, 5808 psi at 80% Nom ID=2.441" Drift ID=2.347"
Collapse=7680 psi, 6144 at 80%
Tensile=99700 lb with no safety factor

Objective: Test additional Bone Spring sands.

Procedure:

1. When ready to move uphole, plug back method will be determined based on results of previous zone(s). Will likely set CIBP or composite plug at 9000'. RU lubricator and perf the Bone Spring Sand 2 with 2 spf at 180° phasing at the depths shown below using a 3-3/8" or 4" casing gun.

Bone Spring Sand 2: 8690-8708' (38) OH Log

2. RIH with packer, test annulus to 1000 psi, open bypass, pump acid close to packer, close bypass and pump 750 gals. NE Fe 7.5% HCl acid down tubing at 3-5 bpm while dropping slug of 20 ballsealers after pumping 250 gals acid. Limit treating pressure to 5500 psi while holding 1000 psi on annulus. Swab/flow test to evaluate oil/gas show. Swab into a drum if necessary for accurate oil cut data.
3. If decision made to frac, install frac valve with BOP on top, unseat packer, swab most of fluid out of casing and TOO. Recommend using casing saver if wellhead equipment is not 5000 psi WP rated. Frac down casing at 40-45 bpm using low gel crosslinked gel carrying 150,000 lbs 1630 white sand (first 75,000 lbs plain white sand, last 75,000 lbs expedite coated white sand, 4 ppg max, est BHST = 150-155°F) while limiting treating pressure to 4500 psi. If fraced, will stop and PWOP to get good test of this zone. Make sure 8-5/8" x 5-1/2" annulus is full of fluid before fracing.

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4. When ready to move uphole, plug back method will be determined based on results of previous zone(s). Will likely set CIBP or composite plug at 8050'. RU lubricator and perf the Bone Spring Sand 3 with 2 spf at 180° phasing at the depths shown below using a 3-3/8" or 4" casing gun.

Bone Spring Sand 3: 7838-56' (38) OH Log

5. RIH with packer, test annulus to 1000 psi, open bypass, pump acid close to packer, close bypass and pump 750 gals. NE Fe 7.5% HCl acid down tubing at 3-5 bpm while dropping slug of 20 ballsealers after pumping 250 gals acid. Limit treating pressure to 5500 psi while holding 1000 psi on annulus. Swab/flow test to evaluate oil/gas show. Swab into a drum if necessary for accurate oil cut data.

6. If decision made to frac, install frac valve with BOP on top, unseat packer, swab most of fluid out of casing and TOOH. Recommend using casing saver if wellhead equipment is not 5000 psi WP rated. Frac down casing at 35-40 bpm using low gel crosslinked gel carrying 100,000 lbs 1630 white sand (first 25,000 lbs plain white sand, last 75,000 lbs expedite coated white sand, 4 ppg max, est BHST = 145-150°F) while limiting treating pressure to 4500 psi. If fraced, will stop and PWOP to get good test of this zone. Make sure 8-5/8" x 5-1/2" annulus is full of fluid before fracing.

Kbc/save da 21 fed 1 bs wo

Well: Save DA 21 Fid. 1

Zen: 13' AGL

Location: 660' FNL 660' FNL

KB: 2952'

D-21-259-29e

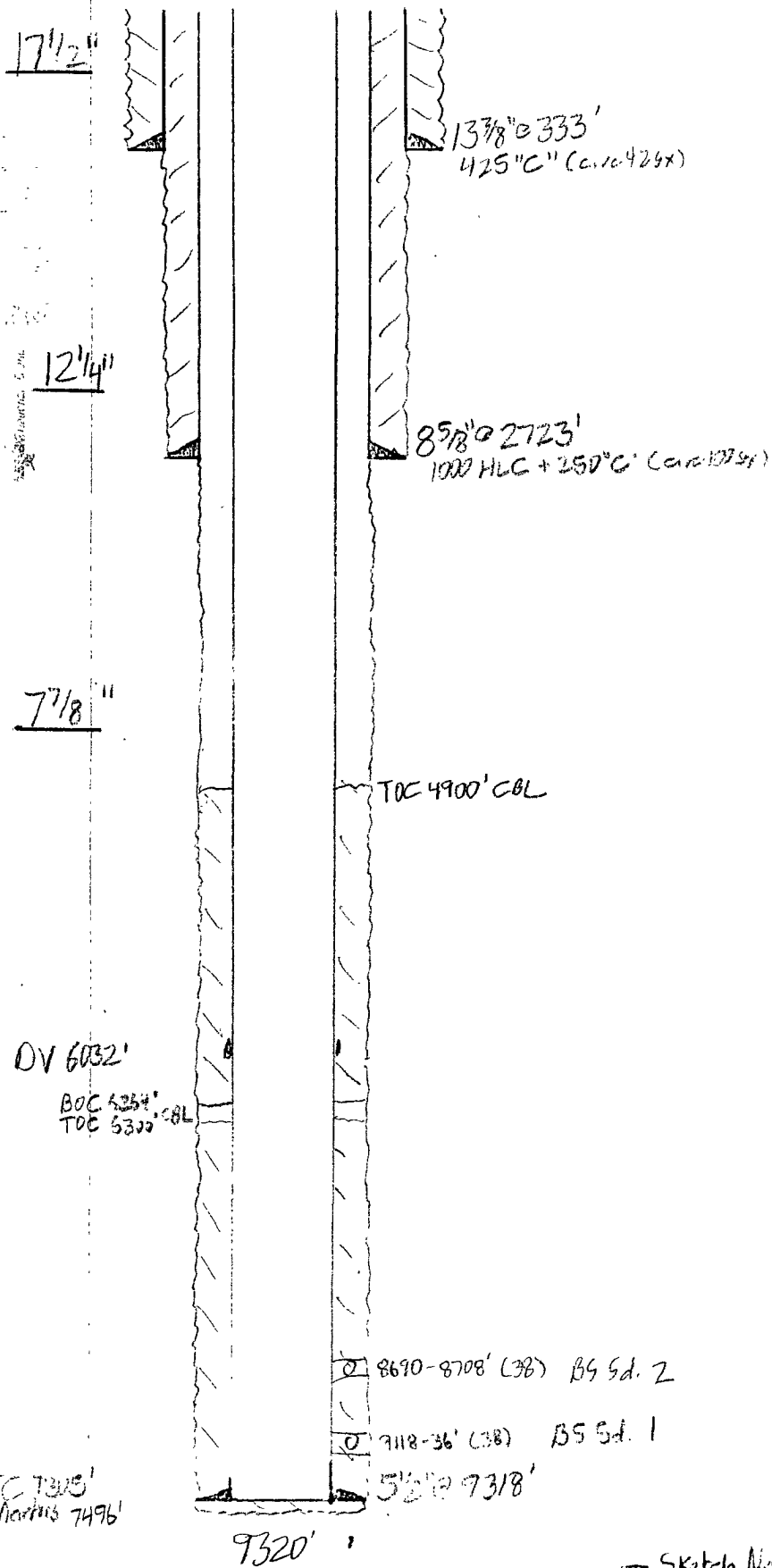
GL: 2939'

Eddy NM

30-015-34840

Casing Program:

Size	Wt.	Grade	Conn.	Depth
13 7/8"	54.5	J55	STC	333'
8 5/8"	32	J55	BE	2723'
5 1/2"	17	J55	LTC	8202'
5 1/2"	17	M95-110	LTC	9318'
2 1/8"	6.5	J55	EVE	



1st: 575 HLC + 425" for H (didn't circ amt)

2nd: 1500 HLC + 100 H (didn't circ amt)

— Sketch Not To Scale —

KBC/11/15/1

CONDITIONS OF APPROVAL

NM-96848; Save DA 21 Federal No. 1

660' FNL & 660' FWL, Sec 21, T25S-R29E

Eddy County, New Mexico

When Abandoning an oil or gas zone using a CIBP it must be set within 100' of the upper perfs with 35' cement on top (if dump bailed) or 25 sx cement on top (if pumped).

If you have any questions, contact Les Babyak at 575-234-5947. Requirements are based on BLM Onshore Order #2.