

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OCD-ARTESIA
MAR 17 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 NMNM0557371
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
3b. Phone No (include area code) (575) 748-3303		8 Well Name and No AAO Federal #13
4 Location of Well (Footage, Sec., T., R., M., or Survey Description) 660 FNL 1980 FWL, Sec. 1-T18S-R27E, Unit C		9 API Well No 30-015-00710
		10 Field and Pool, or Exploratory Area Yeso 96836
		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 checked="" 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	_____

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 or pertinent markers and sands. Attach the Bond under which the work will be 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 a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notice 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 the Yeso 2 & 3 zones as follows:

Set CIBP @ appx 4530'.

Yeso 2	3990' - 4395' (25 shots)	2500 gal NE Fe 15% HCl
Yeso 3	3377' - 3678' (25 shots)	2500 gal NE Fe 15% HCl

(see procedure & well bore schematics attached)

14 I hereby certify that the foregoing is true and correct

Name (Printed/Typed) Diana J Briggs	Title Production Manager
Signature <i>Diana J Briggs</i>	Date March 2, 2009

APPROVED

Date MAR 15 2009

JAMES A. AMOS

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by	Title
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 USC Section 1001 AND Title 43 USC Section 1212, make it a crime for any person knowingly and willfully to make any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

LM

[Handwritten initials]

AAO Fed #13
(Formerly Empire Abo Unit I-18)
660' fnl, 1980' fwl
Sec 1-18s-27e
Eddy Co., NM

RECEIVED

JAN 06 2009

[...SF.....]

Completion Procedure 2
6 January 2009

Objective: Plug back from Yeso 1, recompleat well in middle and upper Yeso.

Well Data:

8-5/8" @ 1515', TOC @ surface

4-1/2" @ 6173', TOC @ surface

4.5"/9.5ppf/J55/STC Burst=4380 psi, 3504 psi at 80% Nom ID=4.090" Drift ID=3.965"

2.375"/4.7ppf/J55/EUE Burst=7700 psi, 6160 psi at 80% Nom ID=1.995" Drift ID=1.901"

Collapse=8100 psi, 6480 psi at 80%

Tensile=71730 lbs with no safety factor

2.875"/6.5ppf/L80/EUE Spec.Clr Burst=10570 psi, 8456 psi at 80% Nom ID=2.441" Drift ID=2.347"

Collapse=11170 psi, 8936 psi at 80%

Tensile=145000 lbs with no safety factor

Procedure:

1. Pull out of hole with rods, pump and tubing. Set CIBP at approximately 4530'. Test to 1500 psi.

2. Perf Yeso 2 with one shot at the depths shown below using 4" or 3-3/8" casing gun.

Yeso 2 -3990', 4007', 4026', 4033', 4101', 4125', 4130', 4135', 4140', 4146', 4151', 4158', 4246',
4256', 4266', 4274', 4280', 4291', 4300', 4313', 4320', 4324', 4329', 4340', 4395'. (25)

Cased Hole Log

3. RIH with packer on 2-7/8" tubing with special clearance couplings and acidize at 3.5 bpm with 2500 gal NE Fe 15% HCl with 75 ballsealers. Limit treating pressure to 7500 psi while maintaining 1500 psi on the annulus. Knock balls off with packer and reset packer above perfs. Swab test until notified to do otherwise.

4. If we decide to frac, frac Yeso 2 down 2-7/8" tubing with special clearance couplings with 1.25 times a regular hot acid/cold acid treatment. Pump at 25-30 bpm while limiting treating pressure to 7500 psi and maintaining 1500 psi on the annulus.

5. Decision will be made whether to PWOP and test Yeso 2 or continue with procedure-lets discuss.

6. When ready to move uphole, plug back method will be determined based on results of previous zone. Perf Yeso 3 with one shot at the depths shown below using 4" or 3-3/8" casing gun.

Yeso 3 -3377', 3385', 3390', 3396', 3401', 3406', 3411', 3438', 3443', 3468', 3489', 3519', 3551',
3591', 3599', 3604', 3609', 3614', 3619', 3631', 3642', 3648', 3657', 3673', 3678'. (25)

Cased Hole Log

7. RIH with packer on 2-7/8" tubing with special clearance couplings and acidize at 3.5 bpm with 2500 gal NE Fe 15% HCl with 75 ballsealers. Limit treating pressure to 7500 psi while maintaining 1500 psi on the annulus. Knock balls off with packer and reset packer above perfs. Swab test until notified to do otherwise.
8. If we decide to frac, frac Yeso 3 down 2-7/8" tubing with special clearance couplings with 1.25 times a regular hot acid/cold acid treatment. Pump at 25-30 bpm while limiting treating pressure to 7500 psi and maintaining 1500 psi on the annulus.
9. Decision will be made whether to PWOP and test Yeso 3 or continue with procedure-lets discuss.
10. If Yeso 2 was productive then rig up reverse unit and drill out bridge plug.
11. Put well on pump.

GHF/aa0 fed 13 2

Well: AAO Fed #13

Zero: 12' AGL

Location: 660' FNL 1980' FWL

KB: 3623'

1-185-27E

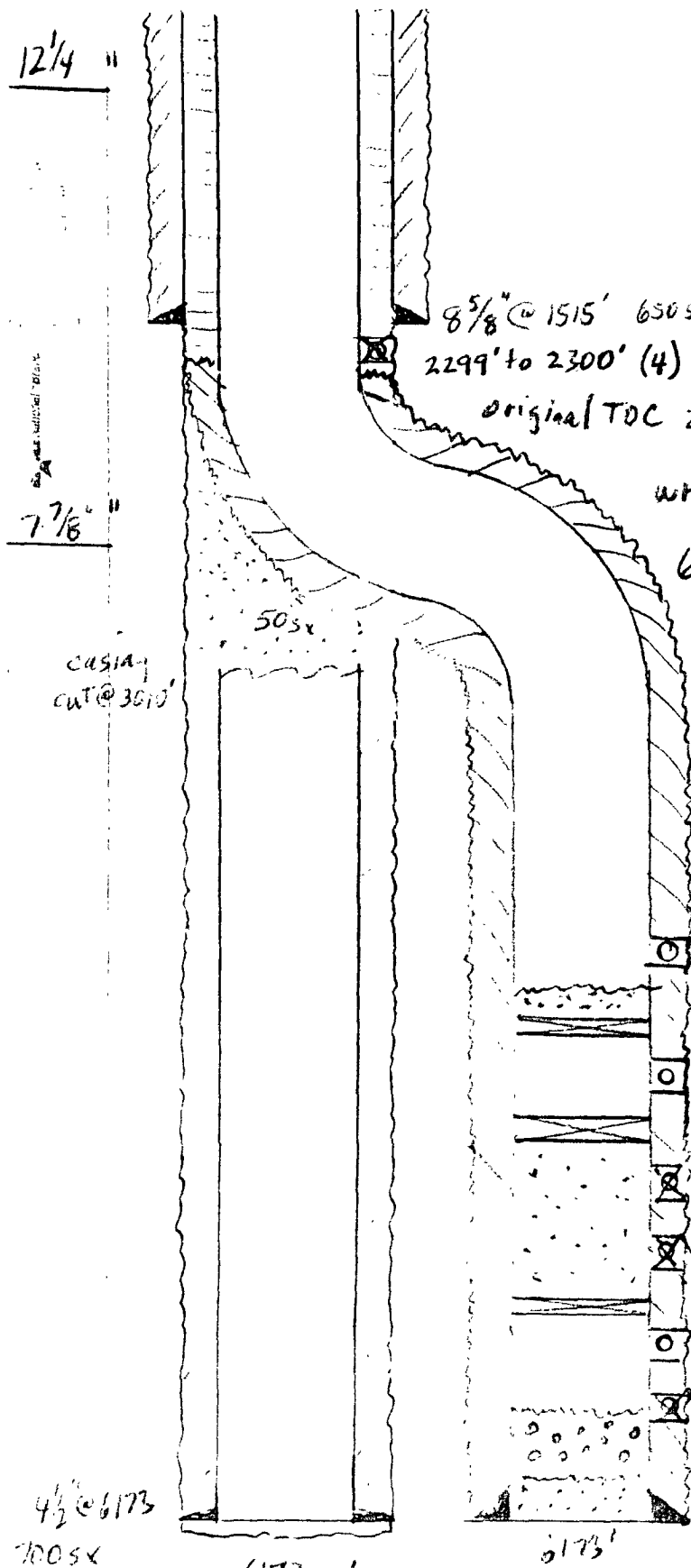
GL: 3611'

Eddy Co., NM

30-015-00710

Casing Program:

Size	Wt.	Grade	Conn	Depth
8 5/8"	24	J55	STC	1517
4 1/2"	9.5	J55	STC	6173
2 3/8"	4.7	J55	EuE	



8 5/8" @ 1515' 650sx INCOR w/6% gel + 100sx neat (circ.)
 2299' to 2300' (4) SQZ'D w/ 450sx HLW w/8#/sk salt + 150sx
 original TOC 2376' CBL w/6#/sk salt

WHIPSTOCK @ 2800'
 6 3/4" hole

Before

4581'-4944' (20) Yeso I
 CIBP @ 5360' + 35' cmt.
 5392'-5546' (22)
 CIBP @ 5580'
 5628'-5660' SQZ'D
 5696'-5703' SQZ'D
 CIBP @ 5730'
 5872'-5892'
 5900'-5950' SQZ'D Diluted to 5915'
 PBT @ 6140'
 4 1/2" @ 6173' 650sx INCOR w/6% gel + 200sx 50:50 PBT mix / INCOR

4 1/2" @ 6173'
 700sx

Well: AAO Fed #13

Zero: 12' AGL

Location: 660' FNL 1980' FWL

KB: 3623'

1-185-27E

GL: 3611'

Eddy Co., NM

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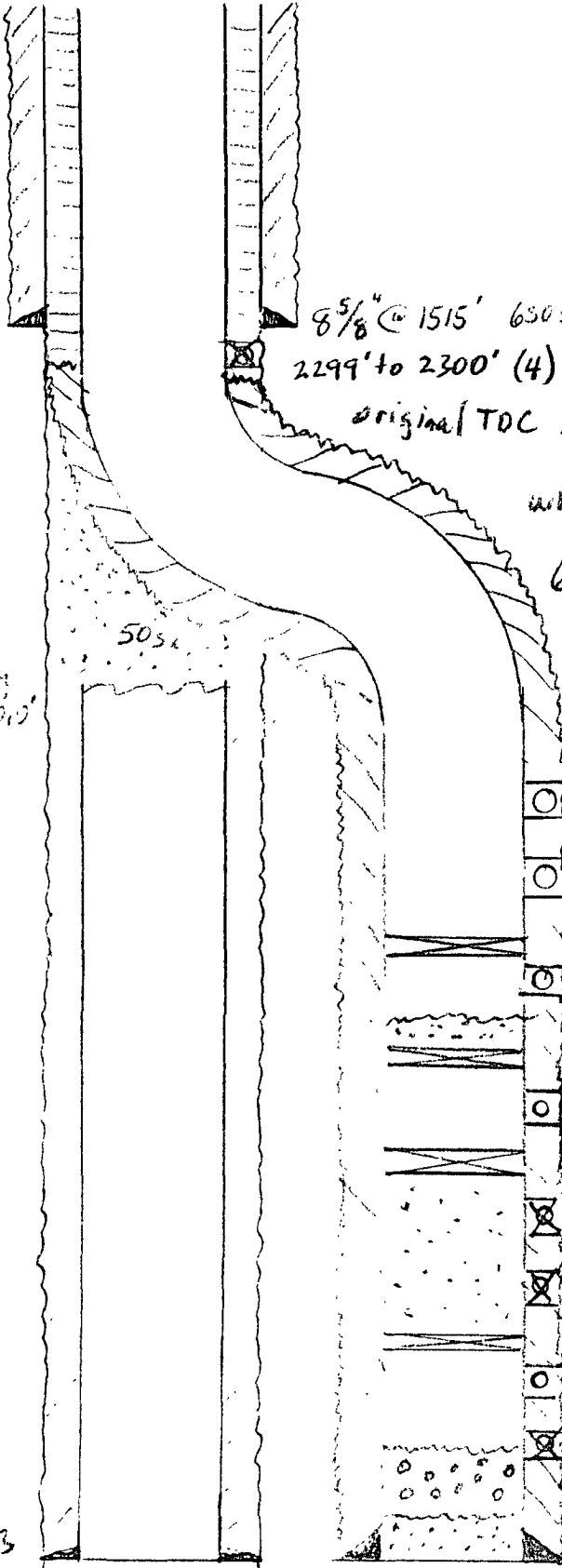
12 1/4"

7 7/8"

Casing cut @ 3010'

4 1/2" @ 6173

700 SX



8 5/8" @ 1515' 650 SX INCCR w/ 6% gel + 100 SX neat (circ.)

2299' to 2300' (4) SQZ'D w/ 450 SX HLW w/ 8 1/2% salt + 150 SX w/ 6 1/2% salt

original TOC 2376' CBL

WHIPSTOCK @ 2800'

6 3/4" hole

After

3371' - 3678' (25) Yeso 3

3990' - 4395' (25) Yeso 2
CIBP @ 4530'

4581' - 4944' (20) Yeso 1

CIBP @ 5360' + 35' cont.

5392' - 5540' (22)

CICR @ 5580'

5628' - 5600' SQZ'D

5696' - 5703' SQZ'D

CIBP @ 5730'

5872' - 5892'

5900' - 5950' SQZ'D Diluted: ... + 5005'

PBD 6140'

4 1/2" @ 6173'

650 SX INCCR w/ 6% gel + 200 SX 50:50 100% mix S/INCCR

GH Freeman 1-6-09