

Submit 3 Copies To Appropriate District Office  
District I  
1625 N French Dr., Hobbs, NM 88240  
District II  
1301 W Grand Ave., Artesia, NM 88210  
District III  
1000 Rio Brazos Rd., Aztec, NM 87410  
District IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico  
Energy, Minerals and Natural Resources

Form C-103  
May 27, 2004

OIL CONSERVATION DIVISION  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

WELL API NO.

30-015-32818

7. Indicate Type of Lease

STATE ☐ FEE ☒

7. State Oil & Gas Lease No.

SUNDRY NOTICES AND REPORTS ON WELLS

(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

1. Type of Well: Oil Well ☐ Gas Well ☒ Other

AUG 03 2007

2. Name of Operator

Marbob Energy Corporation

OCD-ARTESIA

3. Address of Operator

PO Box 227, Artesia, NM 88211-0227

4. Well Location

Unit Letter 5 : 1650 feet from the North line and 660 feet from the West line  
Section 6 Township 24S Range 28E NMPM Eddy County

11. Elevation (Show whether DR, RKB, RT, GR, etc.)

3096' GL

Pit or Below-grade Tank Application ☐ or Closure ☐

Pit type \_\_\_\_\_ Depth to Groundwater \_\_\_\_\_ Distance from nearest fresh water well \_\_\_\_\_ Distance from nearest surface water \_\_\_\_\_

Pit Liner Thickness: \_\_\_\_\_ mil Below-Grade Tank: Volume \_\_\_\_\_ bbls; Construction Material \_\_\_\_\_

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐

TEMPORARILY ABANDON ☐ CHANGE PLANS ☐

PULL OR ALTER CASING ☐ MULTIPLE COMPL ☐

OTHER: Recompletion ☒

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐

COMMENCE DRILLING OPNS. ☐ P AND A ☐

CASING/CEMENT JOB ☐

OTHER: ☐

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

Marbob Energy Corporation proposes to perforate, test & possibly frac the Morrow zone as follows:

Dump bail 15' - 20' cmt on top of frac plug & 12200'.

Morrow 12008' - 12123' (117 shots)

(See attached procedure & wellbore schematics)

I hereby certify that the information above is true and complete to the best of my knowledge and belief. I further certify that any pit or below-grade tank has been/will be constructed or closed according to NMOCD guidelines ☐, a general permit ☐ or an (attached) alternative OCD-approved plan ☐.

SIGNATURE Diana J. Briggs TITLE Production Analyst DATE 7/31/07

Type or print name Diana J. Briggs E-mail address: production@marbob.com Telephone No. (505) 748-3303

For State Use Only

BRYAN G. ARANT

DISTRICT II GEOLOGIST

APPROVED BY: \_\_\_\_\_ TITLE \_\_\_\_\_ DATE AUG 04 2007

Conditions of Approval (if any): \_\_\_\_\_

**Edsel's Wand Waver 1**  
**E-6-24S-28E**  
**Eddy Co., NM**

**Recompletion Procedure**  
**26 July 07**

**Basic Data:**

13-3/8" @ 508' Circ. Cmt.

9-5/8" @ 2203' Circ. Cmt.

7" @ 10164' Circ. Cmt.

4.5"/11.6ppf/M95-110/LTC Burst=10690 psi, 8552 psi at 80% Nom. ID=4.000" Drift ID=3.875"

2.375"/4.7ppf/L80/EUE Burst=11200 psi, 8960 psi at 80% Nom ID=1.995" Drift ID=1.901"

Collapse=11780 psi, 9424 at 80%

Tensile=104,300 lb with no safety factor

**Objective:** Complete well in the Morrow Chert.

**Procedure:**

1. When ready to move to next zone, RU lubricator, run gauge ring to 12200' (composite frac plug at 12200') and dump bail 15-20' cement on top of frac plug at 12200'. RU lubricator and perf Morrow Chert with 3-1/8" or 3-3/8" deep penetrating casing guns loaded 3 spf at 60-120° phasing at the depths shown below (inclusive). Note: Atoka perfs 11463-67' are open and well bore will probably not be full of fluid. If well comes in after perfring, be ready to lubricate a packer in the hole on wireline.

Morrow Chert: 12008-12', 12039-43', 12046-50', 12054-62', 12066-70', 12114-23' (117 shots) OH Log

Morrow Chert: 12006-10', 12037-41', 12044-48', 12052-60', 12064-68', 12112-21' (117 shots) GR/CCL

2. RIH with packer assembly with pump out plug on bottom, set packer, and break down perfs with 3000 gals Modified N-Ver-Sperse A (7% KCl base fluid). Pump break down at 3-5 bpm while limiting treating pressure to 6500 psi and keeping annulus full of fluid (may be necessary to pump fluid down annulus continuously to keep it full). Drop 5 slugs of 20 ballsealers through job. Swab/flow test until notified to do otherwise.
3. If decision made to frac, will set a plug above Morrow Chert (will probably have to run KCl water into well continuously while TOO H with packer and tubing to keep well under control) and squeeze off Atoka perfs so that pressure can be placed on annulus while fracing down tubing. Suggest 50 sx "H" with low fluid loss followed by 50-100 sx "H" with no fluid loss control. Drill out cement and test squeeze to 3000 psi. Resqueeze if necessary. After drilling out cement, but before drilling plug set above Morrow Chert, circulate the well with clean 7% KCl until water is clear (don't want cement solids plugging up Morrow perfs if fluid is dirty).
4. If decision made to frac, RIH with packer assembly on 2.875"/7.9/P-110/PH-6 rental frac string to approx. 11900' (use stabbing guides), space out with 10 pts slackoff on packer, tree up with 2-9/16" 5K tree, load annulus, test annulus to 1000 psi, install 15K tree saver, install relief valve on annulus set to vent at 3000 psi, RU high pressure pumps and frac down tubing at 10-15 bpm with 60-65Q CO2 foam carrying approx. 20,000 lbs. 18/40 versaprop (2 ppg max. but have enough fluid to stay at 1.5 ppg). Limit treating pressure to 11500 psi while holding 2000 psi on annulus during job.

5. Flow back until gas burns. Dump 15 bbls clean 7% KCl water down tubing, shut in overnight, and run a sinker bar past packer and tag TD. If TD is shallower than 12120', a decision will be made whether to clean out proppant with coiled tubing or to clean out with conventional jointed tubing (will likely use conventional jointed tubing).
6. Kill well with clean 7% KCl water, install 5K hydraulic BOP with annular preventer on top, unseat packer and TOOH laying down frac string. Other alternatives are to set blanking plug in packer and leave packer in well while TOOH with tubing or to RU snubbing unit to pull tubing and packer with live well.
7. If well needs clean out and decision was made to use jointed tubing, pick up bit and production tubing and clean well out. Otherwise, pick up production packer assembly and 2.375" production tubing, RIH to 11900', space out, place inhibited packer fluid in annulus (120 bbls), set packer, test annulus to 1000 psi and install 2-1/16" tree.
8. Swab well in, clean it up and send it to sales.

Kbc/edsel's wand waver 1 mrrw chert del

Well: Edgel's Wand Waver 1

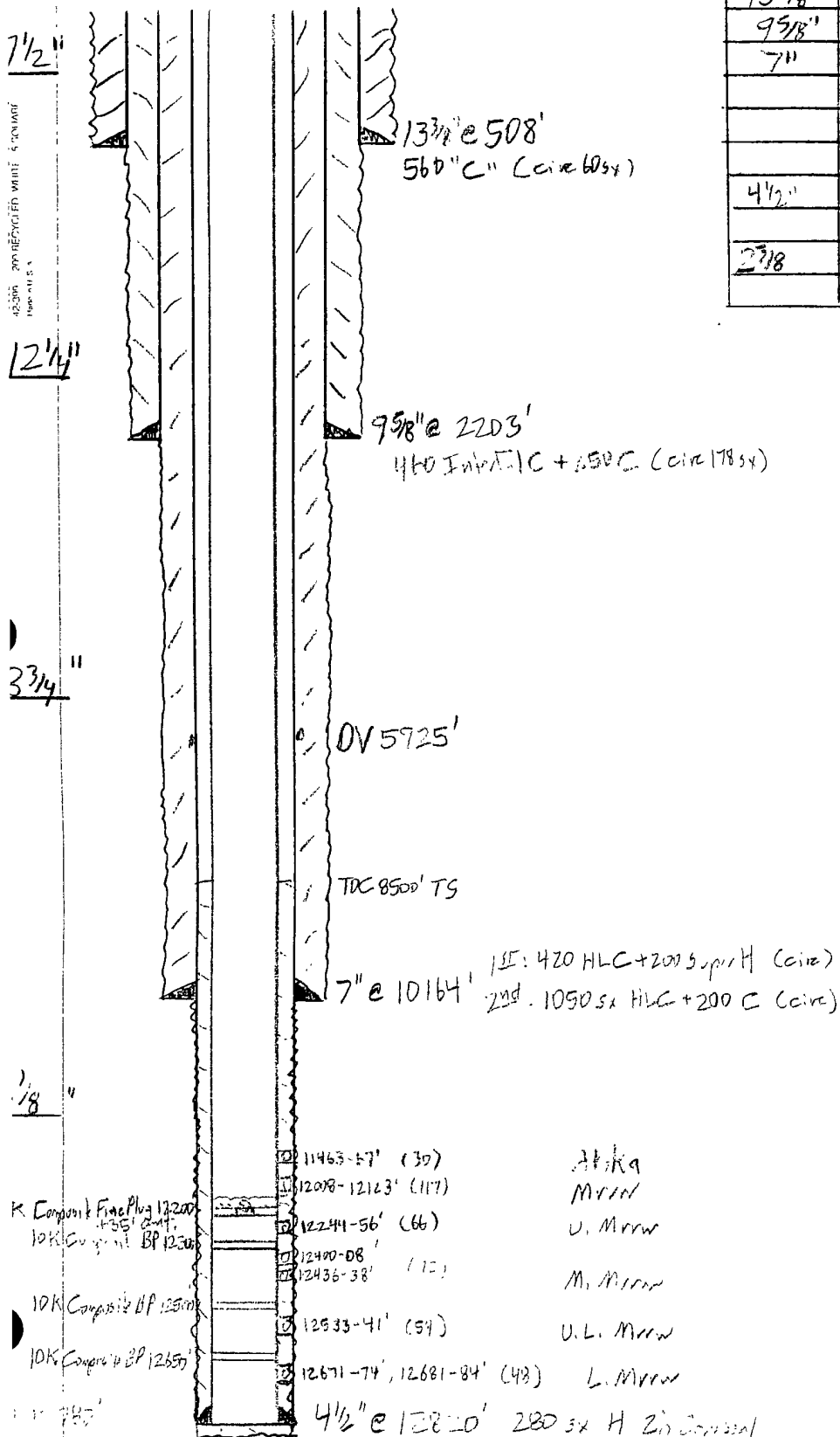
Zero: 22' AGL

Location: 1650' N, 660' W  
E-6-249-28e  
Eddy NM

KB: 3118'  
 GL: 3076'

Casing Program:

Size	Wt.	Grade	Conn.	Depth
13 3/8"	48	H4D	STC	508'
9 5/8"	36	J55	STC	2203'
7"	26	P110	LT	91'
	23	N80	LTC	5563'
	23	P110	LTC	9554'
	26	P110	LTC	10164'
4 1/2"	116	M95-110	LTC	12820'
2 7/8"	4.7	L80	EVE	



R. Component Fine Plug 12200  
 10K Composite BP 12500

10K Composite BP 12500

10K Composite BP 12650

At Ka

Mvrv

U. Mvrv

M. Mvrv

U. L. Mvrv

L. Mvrv

AFTER

- Sketch Not To Scale -

KBCollins / 7 Aug 03

Well: Edgell's Wand Waver 1

Zero: 22' AGL

Location: 1650' N, 660' W  
E-6-243-28e  
Eddy NM

KB: 3118'  
 GL: 3076'

Casing Program:

Size	Wt.	Grade	Conn.	Depth
13 3/4"	48	H40	STC	508'
9 5/8"	36	J55	STC	2203'
7"	26	P110	LTC	91'
	23	N80	LTC	5563'
	23	P110	LTC	9554'
	26	P110	LTC	10164'
4 1/2"	11.6	M95-110	ITC	12820'
2 3/8"	4.7	L80	EUE	

1 1/2"

12 1/4"

3 3/4"

1 1/8"

10K Composite Plug 12200'  
 10K Composite BP 12300'

10K Composite BP 12500'

10K Composite BP 12650'

12780'

13 3/4" @ 508'  
 560" C (circ 60sx)

9 5/8" @ 2203'  
 460 Inlet LTC + 650 C (circ 178sx)

OV 5725'

TDC 8500' TS

7" @ 10164'  
 1st: 420 HLC + 200 5x H (circ)  
 2nd: 1090 5x HLC + 200 C (circ)

121463-67' (30)

At: Ka

122441-56' (66)

U. Mrrw

12400-08' (12)

12436-38' (12)

M. Mrrw

12533-41' (54)

U.L. Mrrw

12671-74', 12681-94' (42)

L. Mrrw

4 1/2" @ 12820' 280 5x H 2in Conn

12820'

- Sketch Not To Scale -

KBCollins / 7 Aug 03

BEFORE

40 300 200 RECYCLED WHITE 4 SQUARE  
 MADE IN U.S.A.