

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.	30-015-26198
5. Indicate Type of Lease	FEDERAL ☐ STATE ☐ FEE ☐
6. State Oil & Gas Lease No.	Federal Lease No. NMLC028731A
7. Federal Unit No.	NMNM111789X
8. Lease Name or Unit Agreement Name	

RECEIVED
DEC 31 2009
NMOCD ARTESIA

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 ☐ WIW	8. Well Number 43
2. Name of Operator Marbob Energy Corporation	9. OGRID Number 14049
3. Address of Operator PO Box 227, Artesia, NM 88211-0227	10. Pool name or Wildcat Grbg Jackson SR Q Grbg SA
4. Well Location Unit Letter <u>L</u> : <u>2180</u> feet from the <u>South</u> line and <u>860</u> feet from the <u>West</u> line Section <u>14</u> Township <u>17S</u> Range <u>29E</u> NMPM Eddy County	
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3603' 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 ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐
COMMENCE DRILLING OPNS ☐ P AND A ☐
CASING/CEMENT JOB ☐
OTHER: Convert to Water Injection Well ☒

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.

11/2/09 – 11/16/09

Re-squeezed perfs @ 2809' – 3426' w/ 400 sx P+ cmt w/ 2% CaCl.

Pressure tested tubing/casing annulus to 520# for 30 minutes. Held OK. Test passed. Test witnessed by Richard Inge w/ OCD.

(See detailed procedure and chart attached)

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 Manager DATE 12/30/09

Type or print name Diana J. Briggs Email address: production@marbob.com Telephone No. (575) 748-3303
For State Use Only

APPROVED BY: Richard Inge TITLE Compliance Officer DATE 12/31/09
Conditions of Approval (if any):

MARBOB ENERGY CORPORATION
DODD FEDERAL UNIT #43 (WIW)
2180 FSL 860 FWL, SEC. 14-T17S-R29E, UNIT L
30-015-26198, GRBG JACKSON; SR-Q-GRBG-SA
EDDY COUNTY, NM

11/2/09 RE-SQZ PERFS 2809-3426': MIRU WSU. START TO ND W/H. CALL FOR WELDER TO CUT 3 STUDS OFF W/H. NU BOP. SWI. SDFTD.

11/3/09 SITP 0#. RLS HES G-6 PKR. TOO H W/ PKR & 129 JTS 2 7/8" DUOLINE TBG. LD PKR. PU HES 8 5/8" RTTS & 8 5/8" BV RBP. TIH W/ TOOLS & 129 JTS 2 7/8" L-80 WORKSTRING. SET RBP @ 4127'. PULL PKR UP TO 4110' & SET. RU LOBO KILL TRUCK. LOAD TBG W/ 1 BBL F/W & TEST RBP TO 2000#. TEST GOOD. RLS PKR & CIRC WELL W/ 255 BBLs F/W. PULL 20 JTS. SET PKR @ 3473'. RU KILL TRUCK ON ANNULUS. TEST TO 1000#. SPOOLS LEAKING ON W/H. BLEED PRESS OFF & TIGHTEN UP BOLTS ON W/H. PRESS ANNULUS TO 1000#. SMALL LEAK ON SPOOL. LOST 200# IN 10 MINS. RU KILL TRUCK ON TBG. PRESS TBG TO 1000#. WATCH FOR 10 MINS. TBG HOLDING. RLS PRESS. RLS PKR & PULL 22 JTS. SET PKR @ 2767'. RU KILL TRUCK ON TBG. PRESS TBG TO 1075#. LOST 425# IN 13 MINS. RLS PRESS. RU KILL TRUCK ON ANNULUS. PRESS ANNULUS TO 500#. ANNULUS HOLDING. RU KILL TRUCK ON TBG. PRESS TBG TO 2000# TO TRY & EST INJ RATE. LOST 200# IN 1 1/2 MINS. RLS PRESS. RD KILL TRUCK. SWI. SDFTD.

11/4/09 SITP 0#. GIH W/ 4 JTS. SET PKR @ 2900'. RU HES CMT EQUIP. PRESS TBG TO 950#. LOST 200# IN 3 MINS. BLEED PRESS OFF. PRESS ANNULUS TO 1000#. TEST GOOD. GIH W/ 4 JTS. SET PKR @ 3031'. PRESS ANNULUS TO 1000#. TEST GOOD. RLS PRESS. PRESS TBG TO 1000#. LOST 200# IN 2 MINS. GIH W/ 8 JTS. SET PKR @ 3284'. PRESS TBG TO 975#. LOST 200# IN 2 MINS. PRESS ANNULUS TO 1050#. TEST GOOD. BLEED PRESS OFF. RLS PKR & GIH W/ 5 JTS. SPOT 500 GAL 7 1/2% HCL ACID @ 3246'. PULL PKR UP TO 2768'. SET PKR. RU HES CMT EQUIP. PRESS ANNULUS TO 500#. BREAK DN PERFS .1 BPM @ 700#. EST INJ RATE 1 1/2 BPM @ 900#. FINAL RATE 2 1/2 BPM @ 1000#. PMP 60 BBLs F/W & PUT SPOT ACID AWAY. RLS PKR & GIH W/ 43 JTS TO RETRIEVE RBP. TOO H W/ TOOLS. LD RBP. PU SETTING TOOL & CIBP. START IN HOLE W/ TOOLS. GOT IN HOLE W/ 59 JTS. PLUG HUNG UP. TRIED TO GET PLUG LOOSE FOR SEVERAL MINS. COULD NOT MOVE UP OR DN. SHEAR OFF CIBP & TOO H W/ SETTING TOOL. SWI. SDFTD. WILL DO CIBP ON THURS 11/5/09.

11/5/09 SICP 0#. PU 6 - 4 3/4" DC'S & 7 7/8" BIT. TIH W/ 36 JTS. TAG CIBP @ 1342'. RU SWVL. START DRLG ON CIBP. DO 8 5/8" CIBP IN APPRX 3 1/2 HRS. TIH W/ 95 JTS. PUSH PLUG DN TO 4360'. TOO H W/ TBG. STAND DC'S BACK IN DERRICK. LD BIT. RU HWS. RUN 7.65 GR/JB. TAG @ 4352' BY W/L. COOH W/ W/L. PU 8 5/8" CIBP. GIH & SET @ 4140'. COOH W/ W/L. RD HWS. PU 8 5/8" RTTS. TIH W/ 110 JTS. SET PKR @ 3284'. TEST CIBP TO 2000#. TEST GOOD. PULL PKR TO 3270' & SET. TEST ANNULUS TO 1000#. LOST 200# IN 2 MINS. BLEED PRESS OFF. HAD A LOT OF AIR TRAPPED. RETEST TO 1000#. STILL LOSING PRESS. TOO H. SWI. SDFTD.

MARBOB ENERGY CORPORATION
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EDDY COUNTY, NM

11/6/09 SICP 0#. TIH W/ 8 5/8" RTTS PKR & 102 JTS 2 7/8" WORKSTRING. SET PKR @ 3264'. RU HES CMT EQUIP. LOAD ANNULUS W/ 20 BBLS F/W. TEST ANNULUS TO 1000#. LOST 475# IN 1 MIN. PRESS BACK UP ON ANNULUS. NOT HOLDING. PULL 18 JTS & SET PKR @ 2760'. LOAD & PRESS ANNULUS TO 1000#. WATCH FOR 5 MINS. TEST GOOD. RLS PKR. TOO H W/ PKR. LD PKR. PU 8 5/8" SVEZ DRILL RTNR. TIH W/ RTNR & 84 JTS. RU HES & PMP 28 BBLS F/W THRU TOOL. SET RTNR @ 2696'. PRESS ANNULUS TO 400#. EST RATE DN TBG (1 1/2 BPM @ 800#). MIX & PMP 400 SX P+ CMT W/ 2% CALC CHLORIDE. SWITCH TO DISPLACEMENT. PMP 4 BBLS DISPLACEMENT. SD & WASH UP PMP TRUCK. RESUME DISPLACEMENT @ 1 BPM. PMP 1 BBL. SD. PRESS GOT TO 2200#. WAIT 3 MINS. PMP 1 BBL. PRESS CAME UP TO 2400#. SD. PRESS FELL TO 1000#. PMP 1 BBL. PRESS UP TO 2300#. SD. PRESS FELL TO 1200#. HOLDING @ 1200#. PRESS UP TO 2300#. PRESS HOLDING. STING OUT OF RTNR & REVERSE EXCESS CMT OUT OF TBG. PMP 32 BBLS F/W. SD. RD HES. TOO H W/ TBG & SETTING TOOL. SWI. SDFTW.

11/9/09 SICP 0#. PU 1ST STAND OF DC'S. TRY TO BREAK 7 7/8" BUTTON BIT OFF SUB. BROKE HYD LN TO TONGS TRYING TO BREAK CONNECTION. COULD NOT BREAK BIT LOOSE. CALL FOR ANOTHER BIT SUB. BROKE BIT SUB W/ BIT IN IT. PU NEW SUB & USED 7 7/8" MILLTOOTH BIT. TIH W/ BIT, 6 - 4 3/4" DC'S & 79 JTS 2 7/8" TBG. TAG @ 2693'. DRILL 3' CMT. START DRLG RTNR. DRILL RTNR IN APPRX 6 1/2 HRS. CIRC CLN. SWI. SDFTD.

11/10/09 SITP 0#. PU SWVL & RESUME DRLG @ 2690'. DRILLED TO 2722' IN 8 HRS. MAKING APPRX 1' IN 5 MINS. TOO H W/ MILLTOOTH BIT. PU. USED 7 7/8" BUTTON BIT. TIH W/ BIT, COLLARS & TBG. RESUME DRLG @ 2722'. DRILL DN TO 2754'. CIRC CLN. SWI. SDFTD.

11/11/09 SITP 0#. TOO H W/ 7 7/8" BUTTON BIT. LD BUTTON BIT. PU NEW 7 7/8" MILLTOOTH BIT, 4 ADDTL 4 3/4" DC'S MAKING 10 COLLARS TTL. TIH W/ BIT, DC'S & 77 JTS 2 7/8" WORKSTRING. TAG @ 2739'. PU SWVL & RESUME DRLG. DRILL 7 JTS DN TO 2965'. CIRC CLN. PULL 8 JTS. SWI. SDFTD.

11/12/09 CREW ARRIVE ON LOC. CONDUCT SAFETY MTG. SITP 0#. TIH W/ 8 JTS. PU SWVL & RESUME DRLG @ 2965'. DRILL DN TO 3155'. CIRC CLN. TEST PERFS FR/ 2809-3060' TO 500#. WATCH FOR 5 MINS. TEST GOOD. PU NEXT JT & RESUME DRLG. DRILL DN TO 3252'. CIRC CLN. TEST PERFS FR/ 2809-3252' TO 500#. WATCH FOR 5 MINS. TEST GOOD. PU NEXT JT & RESUME DRLG. DRILL DN TO 3316'. CIRC CLN. TEST PERFS FR/ 2809-3316' TO 500#. WATCH FOR 5 MINS. TEST GOOD. PULL 2 JTS. SWI. SDFTD.

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11/13/09 CREW ARRIVE ON LOC. CONDUCT SAFETY MTG. SITP 0#. TIH W/ 2 JTS. PU SWVL & RESUME DRLG @ 3316'. DRILL DN TO 3379'. CIRC CLN. TEST PERFS FR/ 2809-3379' TO 500#. WATCH FOR 5 MINS. TEST GOOD. PU NEXT JT & RESUME DRLG. FELL OUT OF CMT @ 3428'. DRILL STRINGERS TO 3443'. PU 1 JT. GO DN TO 3475'. CIRC CLN. TEST PERFS FR/ 2809-3426' TO 500#. WATCH FOR 10 MINS. TEST GOOD. GIH W/ 18 JTS. TAG CIBP @ 4130'. LD 12 JTS. TOO H W/ BIT, COLLARS & 98 JTS TBG. STAND DC'S IN DERRICK. PU 8 5/8" SCRAPER. TIH W/ SCRAPER & 98 JTS TBG. TAG CIBP. TEST CSG TO 500# FOR 10 MINS. GOOD. TOO H W/ SCRAPER & TBG. PU 7 7/8" MILLTOOTH BIT. TIH W/ BIT, 10 - 4 3/4" DC'S & 120 JTS 2 7/8" WORKSTRING. TAG CIBP @ 4130'. DO CIBP IN APPRX 1 1/2 HRS. PUSH CIBP TO 4356'. TOO H LD 2 7/8" WORKSTRING & 10 DC'S. PU REDRESSED 8 5/8" G-6 PKR. TALLY TBG WHILE TIH. LEAVE PKR SWINGING. WILL CIRC PKR FL & PERFORM MIT FOR OCD ON MONDAY 11-16-09. SWI. SDFTD.

11/16/09 CREW ARRIVE ON LOC. CONDUCT SAFETY MTG. SITP 0#. RU MESQUITE KILL TRUCK ON ANNULUS. PMP 235 BBLS DN ANNULUS. ANNULUS CAP 229 BBLS. SET PKR @ 4119'. ND BOP. NU W/H. FINISH LOADING ANNULUS. PERFORM MIT FOR OCD. RICHARD INGE WITNESSED FOR STATE. PRESS ANNULUS TO 520#. WATCH FOR 30 MINS. NO LEAK-OFF IN 30 MINS. TEST GOOD. BLEED PRESS OFF ANNULUS. SWI. RDMO WSU. CLN LOC. FINAL REPORT.

TUBING DETAIL

129 JTS 2 7/8" IPC TBG (4104.95')
8 5/8" NC HES G6 PKR@4121'-BTM@4126'