

Submit 1 Copy 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
October 13, 2009

HOBBS OCD

OCT 05 2011

RECEIVED

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

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.)		WELL API NO. 30-025-40033
1. Type of Well: Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/>		5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>
2. Name of Operator Celero Energy II, LP		6. State Oil & Gas Lease No.
3. Address of Operator 400 W. Illinois, Ste. 1601 Midland, TX 79701		7. Lease Name or Unit Agreement Name T D Pope 35
4. Well Location Unit Letter A : 715 feet from the N line and 1065 feet from the E line Section 35 Township 14S Range 37E NMPM County Lea		8. Well Number 34
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3807'		9. OGRID Number 247128
		10. Pool name or Wildcat Denton; Devonian

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 ☐
DOWNHOLE COMMINGLE ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐
COMMENCE DRILLING OPNS. ☐ P AND A ☐
CASING/CEMENT JOB ☐

OTHER: ☐

OTHER: Well completion ☒

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 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

8/1 - 8/5/11 - NUBOP. PU 6" mill tooth bit, BS, 6- 4 1/4" DC's. Start in hole w/ 2 7/8" tbg, ran 305 JTS bit @ 9,918'. TIH w/ bit. Tag @ 11,821' w/ 362 jts + 5'. Break rev circ, drill w/ 1 pt for 2 min, bit bouncing. PU off liner, rev hole clean. Recovered metal shavings, psi well bore to 1000# psi, no leak off in 15 min, POH w/ tbg, LD 4 3/4" DC's. RIH w/ 3 3/4" workover bit, BS, 6- 3 1/8" DC's, x-over, 32 jts new 2 3/8" 4.7# L-80 8rd tbg (972.25'), x-over, 332 jts 2 7/8" tbg to 11,801'. Tag w/ 362 jts + 25' @ 12,816'. Drill good cmt to 12,871', rev btms up. Rev hole clean w/ 485 BFW. POH w/ all tbg, LD 6- 3 1/2" DC's. RIH w/ GR/CCL/CBL. Top of fluid @ 790', continue in hole. Tag TD @ 12,877'. Log from 12,877'- 9900'. POH w/ GR/CCL/CBL. RIH w/ GR/CCL/CBL, load csg, psi to 1500# psi, log from 12,210'-4795'. TOC approximately 7290'. POH w/ GR/CCL/CBL. RIH w/ 3 1/8" Slick guns, locate TOL @ 11,823', locate collar @ 12,110'. Shoot 4 holes 90 degree phasing @ 12,115'. RIH w/ 4 1/2" CST pkr, 2 3/8" SN, 11 jts of 2 3/8" tbg (334'), x-over, 360 jts of 2 7/8" tbg to 11,611'. TIH with 369 jts 2 7/8", set pkr @ 12,157'. Test pkr to 1000# psi, raise pkr to 366 jts in. Set pkr @ 12,058', break circ out 7", 2 BPM @ 300# psi, pump 20 bbls, close 7", psi up to 1500# psi w/ no leak off. POH w/ pkr. RIH w/ 4 1/2" semi composite retainer, setting tool, 2 3/8" SN, 10 jts 2 3/8" tbg (332'), x-over, 355 jts 2 7/8" tbg to 11,710'.

* Continued on attached sheet

Spud Date:

05/11/2011

Rig Release Date:

07/19/2011

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE

Lisa Hunt

TITLE Regulatory Analyst

DATE 09/13/2011

Type or print name Lisa Hunt

E-mail address: lhunt@celeroenergy.com

PHONE: (432)686-1883

For State Use Only

APPROVED BY:

[Signature]

TITLE PETROLEUM ENGINEER

DATE DEC 07 2011

Conditions of Approval (if any):

DEC 08 2011

TD Pope 35 #34 – C103 continued

8/8/11 - RIH w/ 11 jts of 2 7/8" tbg to 12,050'. Pump 80 bbls through retainer, set retainer @ 12,050'. Pump 410 BFW @ 1.5 BPM through retainer out holes @ 12,115' for cool down. Establish injection rate of 2 BPM @ 450# psi. Mix 50 sx of Class "H" cmt containing .5% FL-10, .3% C-15, .3% C-35, .2% C-20, .25% R-38, .3% salt @ 2:23 Cst, 15.6 ppg, 1.20 yield, 5.24 gallons p/sx. Displace w/ 68 BFW. Reverse out w/ 80 bbls, reversed 2 bbls colored cmt wtr, roll pumps in increments to 1500# psi w/ no bleed off. POH w/ 66 stands tbg. Load WB, psi to 1500# psi.

8/9/11 - POH w/ tbg & setting tool. RIH w/ 3 3/4" workover bit, BS, 6- 3 1/8" DC's, x-over, 34 jts of 2 3/8" tbg, x-over, 336 jts + 26' 2 7/8". Tag @ 12,018'. Wash drill to 12,047' in 15 min. Returns were soft cmt & soft cmt balls. Rev hole clean.

8/10/11 - Drlg good cmt, Fell out of cmt @ 12,116'. Rev btms up, test to 1500# psi for 15 min w/ no leak off. RIH & tag @ 12,810'. RIH & tag @ 12,871'. Rev btms up w/ 100 bbls.

8/11/11 - RIH w/ GR/CCL/CBL, log from 12,200'-11,700'. TOC @ 11,890', log correlated to Schlumberger density/neutron log dated 7/15/11. POH w/ GR/CCL/CBL. RIH w/ GR/CCL/CNL. Log from 12,880'-11,828' & 10,000'-9050'. Tools failed @ 9050'. POH w/ GR/CCL/CNL. Found cable shorted 4' above cable head. RIH w/ 3 1/8" slick guns, locate liner top @ 11,828', tag TD @ 12,880', tie into collars, perf 12,830'-12,848'-19 shots-0 degree phasing POH. RIH w/ 4 1/2" CST pkr, 2 3/8" SN, 34 jts 2 3/8" tbg, x-over, 304 jts 2 7/8" tbg to 10,801'.

8/12/11 - Set pkr @ 12,747'. RU swab, IFL surface, made 13 runs, recovered 57 bbls, FFL @ 9200'. Tag @ 10,674'.

8/15/11 - Load tbg w/ 52 bbls, release pkr, pump 1000 gal of 15% HCL, flush w/ 79 bbls @ 1 BPM to pickle tbg, reverse acid out of tbg w/ 104 bbls. RIH w/ 3 jts of 2 7/8" tbg, pump 500 gal of 15% HCL, flush w/ 67.8 BFW to spot acid across perfs @ 12,830'-12,848'. Pull 3 jts to 12,747', reverse acid w/ 20 bbls, set pkr, psi csg to 500# psi. RU on tbg & acidize w/ 500 gal of 15% NEFE acid, flush w/ 40 BFW. Max psi = 3700, Avg psi = 3000. Max rate = 4.6, avg rate = 3.5, ISIP = 1720, 5 min = 923, 10 min = 462, 15 min = 182. RD Crain. RU swab, IFL surface, made 13 runs, recovered 82 bbls, FFL @ 7432'. Final pull from 8600'.

8/17/11 - RIH w/ electro BHP tool to 12,700' - 4449.44 psi-184.02 F. POH making gradient stops: 12600' - 4405.23 Psi, 12500' - 4360.90 Psi, 12000' - 4140.44 Psi, 11500' - 3918.98 Psi, 11000' - 3697.51 Psi, 10500' - 3475.50 Psi, 10000' - 3253.56 Psi, 9000' - 2808.92 Psi, 8000' - 2363.31 Psi, 6000' - 1471.44 Psi, 4000' - 578.29 Psi, 2000' - 21.53 Psi, 0' - 29.50 Psi. POH w/ tbg & pkr. RIH w/ 3.90 OD gauge ring & junk basket, tag TOL w/o correction @ 11,834', work gauge ring 5 times, fell inside liner & became stuck @ 11,852'. Work back up to 11,843', collar locator @ 11,835', pull 2000# over losing several pounds per/min. Leave w/ 2000# pulled.

8/18/11 - Lost 450# psi overnight, work up to 4350 for 10 min, no upward movement. Pull up to 4800 & pulled out of rope socket. RIH w/ 3 7/8" overshot w/ 3 1/8" grapple, top sub, x-over, BS, x-over, 34 jts 2 3/8" tbg, x-over, 337 jts 2 7/8" tbg. Tag at 11,832', worked down to 11,842', set 6 pts, pull 10 pts over, pulled loose, set back down, pulled free w/ 6 pts pulled.

8/19/11 - RIH with 3 3/4" O.D., short catch overshot with 1 11/16" grapple, BS, jars, x-over, 4) 3 1/8" DC's, x-over, 2 3/8" S.N., 10 jts 2 3/8" tbg, x-over, 354 jts 2 7/8" tbg to 11,816'. RIH with swab, IFL 1061', made 8 swab runs, recovered 72 bbls fluid, last 3 runs FL at 2500'. Tag top of extension at 11,828', had to rotate to work inside liner, tag fish at 11,841', set 6 pts wt, pulled 15 pts, fish came free, set 6 pts wt, fish moving down. RIH 45', pull up dragging through x-over, pull above liner extension, set gauge ring on top of extension. POH with tbg, LD 2 3/8" tbg and collars, recovered all of fish.

8/20/11 - RIH with 3.60 gauge ring and junk basket, tag TOL to 12,860' POH with gauge ring. RIH with 4 1/2" CIBP, correlate to GR/CCL/CNL log dated 8-11-11, set CIBP at 12,820'. RIH with 3 1/8" slick guns, 0 degree phasing, 1 SPF, IFL at 3000', perf from 12,710' to 12,790', 80 holes in 4 runs, FFL at 2940'. RIH with 3" dump bailer w/ cone bottom, dump bail 1.5 sx cmt on CIBP at 12,820'.

8/22/11 - RIH w/ 4 1/2" CST pkr, 2 3/8" SN, x-over, 33 jts of 2 3/8" tbg, x-over, 362 jts of 2 7/8" tbg. Set pkr @ 12,642', load csg w/ 58 bbls, test pkr to 600# psi. RIH w/ swab, IFL 2500'. Made 10 swab runs, recovered 41 bbls, FFL 10,532', last pull from x-over @ 11,615'. Tag fluid @ 10,532'.

TD Pope 35 #34 – C103 continued

8/23/11 - Psi csg to 500 psi, load tbg with 46.5 bbls, broke at 2860 psi, increase rate to 5 BPM at 2890 psi, acidize with 8000 gals 15% HCL with 2 stages of 1500# rock salt, completely blocked off both times, flush with 176 BFW, ISIP 3180, 5 min 2775, 10 min 2577 psi, 15 min 2410 psi, max psi 6000, avg psi 4285, avg rate 4.8 BPM, 482 bbls load to recover.

8/29/11 - RIH with Electro BHP tool to 12750' - 4162.69 psi - 181.81 F, POH making gradient stops, 12600' - 4095.92 psi, 12500' - 4050.95 psi, 12400' - 4006.19 psi, 12000' - 3826.71 psi, 11000' - 3377.26 psi, 10000' - 2926.51 psi, 9000' - 2472.81 psi, 8000' - 2018.86 psi, 6000' - 1108.53 psi, 4000' - 205.48 psi, 2000' - 115.95 psi, 0' - 108.45 psi. Tag fluid at 4067'. POH with tbg and pkr. RIH with 4 1/2" Kline BP and CST pkr, 2 3/8" S.N., 33 Jts 2 3/8" tbg - 1001', x-over, 322 jts 2 7/8" tbg to 12477'.

8/30/11 - TIH to 363 jts 2 7/8" tbg in, set Kline RBP @ 12,660', set pkr @ 12,644'. Load tbg w/ 38 bbls, test tools to 3100 psi, release pkr. POH w/ tbg, pkr & overshot.

8/31/11 - RIH with 3 1/8" slick guns, 180 degree phasing, 2 SPF, correlate to GR/CCL/CNL log dated 8-11-11. Tie into TOL each run, perforate 12600 - 12612, 12514 - 12562, 12367 - 12429, 12338 - 12348, total of 264 holes in 7 runs. RIH with 4 jts 2 3/8" tbg, x-over, 7" HD pkr, x-over, 2 3/8" S.N., x-over, 20 stands 2 7/8" tbg.

9/1/11 - TIH with 7" HD pkr to 366 jts 2 7/8" tbg in, set pkr at 11,774.33', tailpipe at 11,895.19'. Load csg with 16 bbls, test pkr to 500 psi. RU on tbg, load tbg with 3 bbls, broke at 3600 psi, increase rate to 2 BPM at 4200 psi, 5 bbls gone, 1.6 BPM at 4900 psi, 10 bbls gone, 1.3 BPM at 5000 psi. SD pumps, ISIP 4900, 5 minute 3300 psi, bleed psi.

9/2/11 - Acidize perfs 12600 - 12612, 12514 - 12562', 12367 - 12429, 12338 - 12348', 2 SPF, pump 16000 gallons 15% NEFE HCL, with 5000# of 50/50 100 Mesh/Graded Rock Salt in 5 stages, 6 stages of inhibitor, flush with 178 BFW, ISIP 2920, 5 min vacuum, max psi 6120, avg psi 4200, max rate 9.3, avg rate 8.0, total load 1038 bbls. POH with tbg & pkr.

9/6/11 - RIH with overshot, 30 jts 2 3/8" tbg, x-over, 369 jts 2 7/8" tbg to 12,600'. Wash down to RBP at 12,660', release RBP. LD 89 jts 2 7/8" tbg, stand back 282 jts 2 7/8" tbg (9036.42'), LD 2 3/8" tbg and Kline RBP.

9/7/11 - RIH with electro BHP tool to 12,695' - 2511 psi - 183 F. POH making gradient stops, 12595' - 2467 psi, 12500' - 2424 psi, 12000' - 2208 psi, 11500' - 1995 psi, 11000' - 1783 psi, 10500' - 1995 psi, 10000' - 1359 psi, 9000' - 939 psi, 8000' - 631 psi, 6000' - 100 psi, 4000' - 94 psi, 2000' - 87 psi, 0' - 82 psi. RIH with 82 jts "New" 2 7/8" 7.9# L-80 PH-6 tbg (2562.19').

9/8/11 - NDBOP, NU Seaboard WH, NUBOP. PU GE sub pump as follows: 1) Smartguard, 1) 540 TR5 200 HP motor, 2140-V, 54-A, 1) TR5 Std seal, 1) TR5 DBG seal, 1) Mag gas separator, 5) TD1750 pumps - 616 stages, 2 3/8" S.N., x-over, 220 jts 2 7/8" 6.5# L-80 8rd tbg. SWI. SDFN.

9/9/11 - TIH with 62 jts 2 7/8" 8rd tbg, total of 282 jts 2 7/8" 6.5# L-80 8rd tbg (9036.40'), x-over, 82 jts new 2 7/8" 7.9# L-80 PH-6 tbg (2562.19'). Splice in new lower pigtail onto new #2 flat lead cable, WIR 110,000. Land donut into seaboard WH, intake at 11,735.63', btm of seaboard WH at 11,780.68', NDBOP, NU Master Valve and flowlines, check rotation start pumps at 3:50 CST at 57 Hz straight current. Leave well pumping to battery.