

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

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

WELL API NO. 30-015-01567
5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No. 647
7. Lease Name or Unit Agreement Name Artesia Unit
8. Well Number 5
9. OGRID Number 184860
10. Pool name or Wildcat Artesia; Queen-Grayburg-San Andres

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 <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/>	
2. Name of Operator Quantum Resources Management, LLC	
3. Address of Operator 1401 McKinney St. Ste 2400 Houston, TX 77010	
4. Well Location Unit Letter <u>P</u> : <u>330</u> feet from the <u>South</u> line and <u>990</u> feet from the <u>East</u> line Section <u>26</u> Township <u>17S</u> Range <u>28E</u> NMPM County <u>Eddy</u>	
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3668' GL	

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 ☐

OTHER: ☐

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

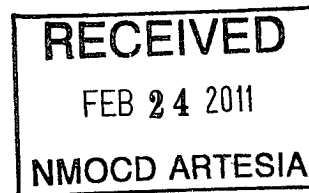
**Notify OCD 24 hrs. prior
To any work done.**

Quantum Resources Management, LLC proposes to plug & abandon the wellbore as follows:

MIRU PU. Perf 4-1/2" csg @ 643'. Set ^{Packer} ~~ECR~~ @ 600'. Sqz w/ 40 sxs. Spot 10 sxs on top. Circ cmt to surface through hole in 4-1/2" casing @ 23'. Cut off casings. Weld on 1/2" steel plate and erect marker.

* COA. Perf. 4 1/2" csg sqz. w/ packer. woc Tag.

Perf. 4 sqz. @ 60' - sqz. w/ packer 60' - Surface.



Spud Date:

Rig Release Date:

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

SIGNATURE Erick A. Rodriguez TITLE Regulatory Analyst DATE 2/23/10

Type or print name Erick A. Rodriguez E-mail address: erodriguez@qracq.com PHONE: (713) 634-4612

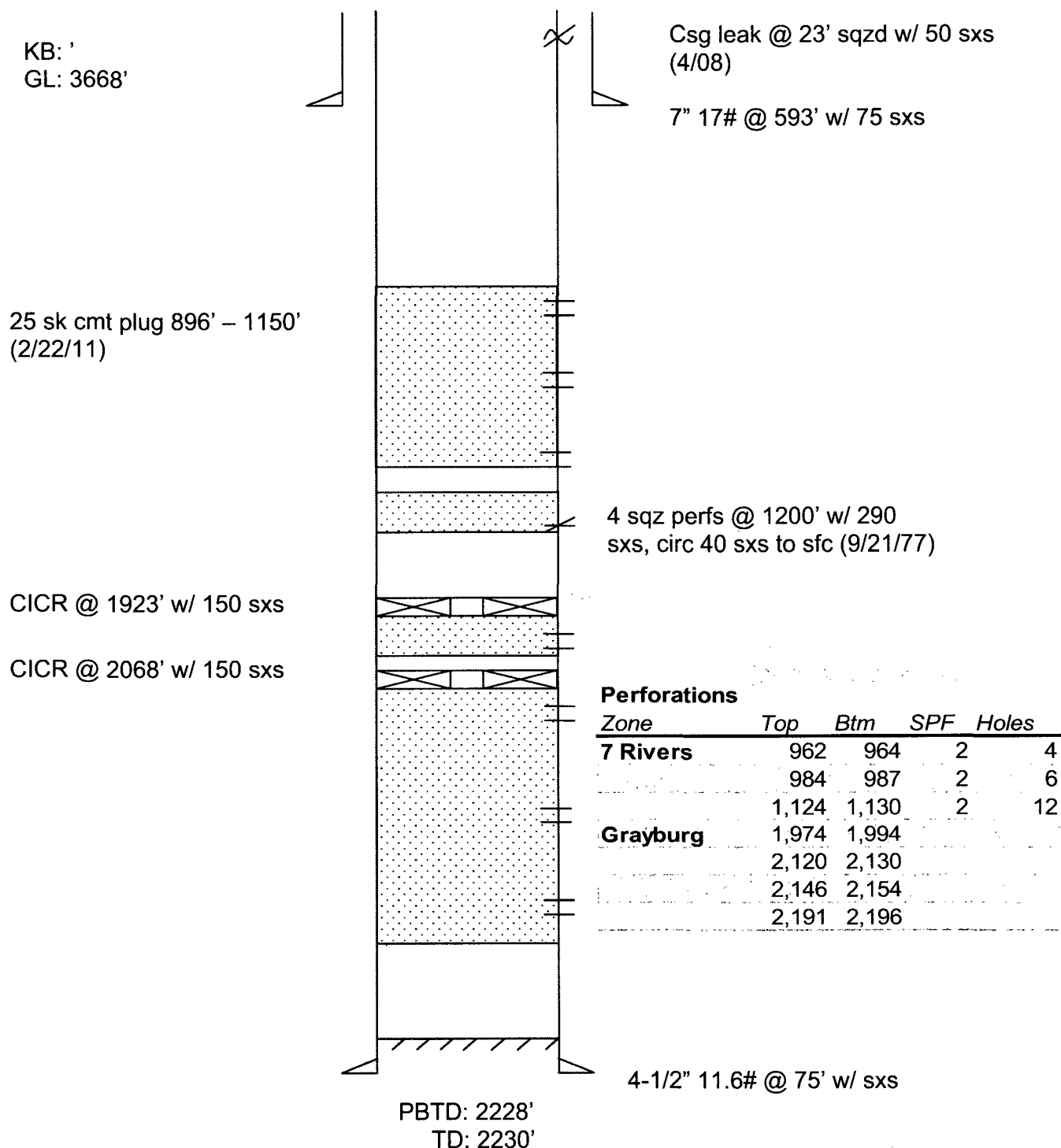
For State Use Only

APPROVED BY: [Signature] TITLE Approval Granted providing work is complete by 5/28/2011 DATE 2/28/2011
Conditions of Approval (if any):

ARTESIA UNIT 5
 ARTESIA Field
 QUEEN / GRAYBURG / SAN ANDRES Zone

API: 30-015-01567
 17S 28E 26P
 Eddy County, NM

Current Wellbore Configuration



ARTESIA UNIT 5
ARTESIA Field
QUEEN / GRAYBURG / SAN ANDRES Zone

API: 30-015-01567
17S 28E 26P
Eddy County, NM

Proposed Wellbore Configuration

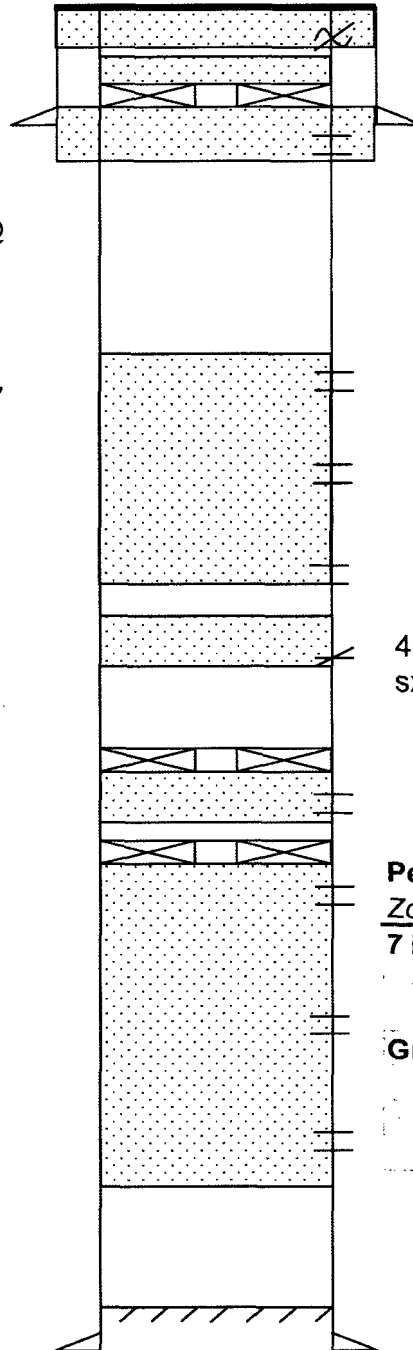
Perf. + Squz.
60'
m.m. Surface
Plug.
Squz w/ Pack.
woc
Tag.

KB: '
GL: 3668'
Cmt circ to sfc through
hole in csg @ 23'
40 sxs sqzd below ^{Packer} CIRC @
600', spot 10 sxs on top
Perfs @ 643'

25 sk cmt plug 896' – 1150'
(2/22/11)

CICR @ 1923' w/ 150 sxs

CICR @ 2068' w/ 150 sxs



Csg leak @ 23' sqzd w/ 50 sxs
(4/08)

7" 17# @ 593' w/ 75 sxs

4 sqz perfs @ 1200' w/ 290
sxs, circ 40 sxs to sfc (9/21/77)

Perforations

Zone	Top	Btm	SPF	Holes
7 Rivers	962	964	2	4
	984	987	2	6
	1,124	1,130	2	12
Grayburg	1,974	1,994		
	2,120	2,130		
	2,146	2,154		
	2,191	2,196		

4-1/2" 11.6# @ 75' w/ sxs

PBTD: 2228'
TD: 2230'