

Submit 1 Copy To Appropriate District Office
District I - (575) 393-6161
1625 N. French Dr., Hobbs, NM 88240
District II - (575) 748-1283
811 S. First St., Artesia, NM 88210
District III - (505) 334-6178
1000 Rio Brazos Rd., Aztec, NM 87410
District IV - (505) 476-3460
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources

Form C-103
Revised August 1, 2011

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

WELL API NO.	30-015-10182
5. Indicate Type of Lease	STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No.	NM647
7. Lease Name or Unit Agreement Name	State 647 AC 711
8. Well Number	200
9. OGRID Number	243874
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"/>	RECEIVED MAY 23 2013 NMOCD ARTESIA
2. Name of Operator Quantum Resources Management, LLC	
3. Address of Operator 1401 McKinney St., Suite #2400, Houston, TX 77010	
4. Well Location Unit Letter <u>M</u> : <u>660</u> feet from the <u>South</u> line and <u>330</u> feet from the <u>West</u> line Section <u>23</u> Township <u>18-S</u> Range <u>28-E</u> NMPM County <u>Eddy</u>	
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3537' GR	

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 ☐

5/14/13

OTHER: ☐

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.

01/31 - 02/01/13-MIRU plugging equipment, ND WH, NU BOP, RU wireline truck. Tagged @ 636', tight spot, POOH, found redbed in collar. Notified NM OCD, Phil Hawkins, of problems. MIRU reverse unit.
02/02- 02/11/13-Tagged@636', RU power swivel & pump, stripper head. Drilled/cleaned out, unable to get into casing @ 636'. TOOH w/kill string, TIH w/collars-LD collars, RD reverse rig.
04/01-04/10/13-RIH w/concave mill, milled on casing, losing water. Got to 639', could no longer rotate, request to "shallow plug" was denied by NM OCD, Randy Dade, advised to get down to perfs. RIH w/ tapered mill, drilled/worked to 1317', bit plugged w/scale & redbed. POOH, released tools & reverse unit, waiting on casing alignment tool. SD waiting on equipment
04/22-23/13-MIRU Airtech Foam Air Unit. RIH w/tbg & tagged@1120'. Aired-up csg, RD/released foam air unit. SD until csg alignment tool on loc.
05/07-05/14/13-RU reverse unit. RIH w/csg alignment tool/muleshoe sub, could not get past 632'. OCD, EL Gonzales&Randy Dade, advised to set 20sx @ 1200-1500', then 636' to surf. RIH w/bit, XO's & tbg, worked through bad spot, cleaned out to 1300'. Spotted 20sx, then pulled up to 675', pumped 400sx "C", circ. cmt inside/outside csg. Tagged@ 60', filled 4-1/2" to surf. RDPU, dug out cellar, cleaned loc, weld-on dry hole marker, cut off guy-line anchors.
(detailed information (Daily Report) attached)

Spud Date:

Rig Release Date:

File Current C103 P&A
for final inspection

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

SIGNATURE

Celeste G. Dale

TITLE Sr. Regulatory Analyst

DATE 05/22/13

Type or print name Celeste G. Dale

E-mail address: cdale@qracq.com

PHONE: 432-683-1500

For State Use Only

APPROVED BY:

R. Dade

TITLE

Dist. P. Spewis

DATE

5/28/2013

Conditions of Approval (if any):

submit Subsequent C-103



Quantum Resources Management, LLC

Date Well AFE PDF Regulatory Input Export

WELL OPERATIONS

WELL: STATE 647 AC 711 #200

REPORT NUMBER	START DATE	END DATE	DURATION	START DEPTH	OPERATION CODE	OPERATION DESCRIPTION	COMMENT
1	1/31/2013 1:00:00 PM	1/31/2013 7:00:00 PM	6.00	0.0 0.0	ABAND	Abandon Zone	MOVE RIG & EQUIPMENT YO LOCATION, RUPU, SION TTL, HOLD SAFETY MEETING, NDWH & NU BOP, RU WIRE LINE TRUCK, RIH w/ 4 1/2" GAUGE RING & TAG @636', POOH w/WL, TALLY & RIH w/ 2 3/8" NOTCHED COLLAR & TUBING, TAGGED @636', TURN ON TBG w/TONGS & TRY TO GO THROUGH TIGHT SPOT, RU PUMP & ATTEMPT TO TURN & PUMP THROUGH TIGHT SPOT, POOH w/TBG & NC, FOUND REDBED IN COLLAR, CALL FOR ORDERS, CALLED FOR REVERSE UNIT TO DRILL OUT FILL, NOTIFIED NM EMNRD/OCD, PHIL HAWKINS OF PROBLEMS, CLOSE WELL IN & SION
2	2/1/2013 6:00:00 AM	2/1/2013 4:00:00 PM	10.00	0.0 626.0	ABAND	Abandon Zone	MIRU REVERSE UNIT, GET READY TO CLEAN OUT WELLBORE TO PLUG, FILL PIT WITH 10# BRINE WATER Road crew to location, held PJSM. Picked up 3 7/8" bit and 6-3 1/8" DC'S on 2 3/8" tbg and TIH. Tagged up at 636', RU power swivel and pump, stripper head. Pumped 2 times csg volume and didn't catch circulation, pumped down tbg at 1 1/2 to 2 bpm (dry drilled) and made 14'. Wait on H2O (truck broke down). Started drilling again and made 2 more feet, after 1st ft H2O started coming out of ground around csg. Layed down swivel, TOH and inspected bit. Had some cmt(old) inside bit but could see no ware patterns on bit (green-green) TIH w/ kill string, shut well in and shut down. Road crew to yard
3	2/2/2013 10:00:00 AM	2/2/2013 12:00:00 PM	2.00	0.0 626.0	ABAND	Abandon Zone	
4	2/4/2013 6:30:00 AM	2/4/2013 7:00:00 PM	12.50	0.0 0.0	ABAND	Abandon Zone	

Road crew to location, held PJSM. TOH

5	2/5/2013 6:30:00 AM	2/5/2013 6:30:00 PM	12.00	652.0 695.0	ABAND	Abandon Zone
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w/ kill string, TIH w/ 3 7/8" bit and 8-3 1/8" DC'S on 2 3/8" tbg and tag at 649'. RU swivel and dry drill 652 to 695' at 2 bpm pump rate and 2 to 4 pt. Pumped 2 slugs of LCM in 10 bbls fluid each and had 1/4 bpm returns on 2 nd pill. RD swivel, pulled 2 stands, shut well in and shut down. Road crew to yard.

6	2/6/2013 6:30:00 AM	2/6/2013 7:00:00 PM	12.50	695.0 734.0	ABAND	Abandon Zone
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TIH back to bottom w/ tbg, had to use swivel to get back in csg. Mixed and pumped LCM pill and didn't get circ to pit. Water coming up cellar and recovered w/ vac truck. Cleaned out well from 695' to 734'. TOH w/ tbg, dug out cellar and found no BP or valves in bradenhead. TIH w/ kill string, shut well in and shut down. Road crew to yard. Attempt to plug bradenhead in AM.

7	2/7/2013 6:30:00 AM	2/7/2013 6:00:00 PM	11.50	734.0 1,244.0	ABAND	Abandon Zone
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Road crew to location, held PJSM. TOH w/ kill string, TIH w/ new bit on collars and 2 3/8" tbg and tag at 732'. Picked up power swivel and drilled out colid fill to 755 and started falling thru. Picked up tbg w/ swivel and circ thru bradenhead and worked tbg down to 1244'. Tbg plugged up and couldn't get unplugged. TOH w/ tbg and found bottom 5' of collars & bit sub plugged w/ iron sulfide, red bed and salt. TIH w/ kill string, shut well in and shut down. Road crew to yard.

8	2/8/2013 6:30:00 AM	2/8/2013 5:30:00 PM	11.00	1,244.0 636.0	ABAND	Abandon Zone
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Road crew to location, held PJSM. TOH w/ killstring, TIH w/ 3 7/8" bit on 8-3 1/8" DC'S and 1 stand of 2 3/8" tbg. Lift up floor of PU, dug out around wellhead w/ backhoe. Welded a BP on one side of bradenhead and a nipple & valve w/ riser above GL on other side of bradenhead. TIH w/ tools to 636' and tagged up. Couldn't get into csg at 636' w/ wrenches or tongs. Picked up swivel and circ well, reverse had only 1/4 returns, conventual had over 1/2 to 3/4 returns. Worked at getting into casing looking up and was unable (3 hrs). TOH w/ tools, found no marks on bit. TIH w/ kill string, shut well in and shut down. Road crew to yard.

9	2/11/2013 6:30:00 AM	2/11/2013 4:30:00 PM	10.00	636.0 636.0	ABAND	Abandon Zone
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Road crew to location, held PJSM. Wait on orders. TOH w/ kill string, TIH w/ collars-lay collars down. RD reverse rig, RD PU

TTL, HPJSM, SET IN RIG MAT, REVERSE

	4/1/2013	4/1/2013				
10	8:00:00	9:00:00	13.00	0.0	ABAND	Abandon
	AM	PM		632.0		Zone

UNIT, PIPE RACKS & 2 3/8" WORK STRING, MIRUPU, TALLY TBG, OPEN WELL UP & NU FLANGE & BOP, RIH w/ 21 JNTS 2 3/8" TBG & TAG @632', ROTATE TBG & ATTEMPT TO GET INTO CSG, CAN'T, POOH w/TBG, CALIPER & TALLY 10- 3 1/8" DRILL COLLARS, RIH w/ 3 7/8" CONCAVE MILL, 10 3 1/8" DC's, & 11 JNTS 2 3/8" TBG, NU STRIPPER HEAD & SWIVEL, BREAK CIRCULATION & BEGIN MILLING ON CSG, LOOSING WATER FASTER THAN WE CAN GET IT TO LOCATION, RIG & RIG MAT STARTED SINKING, POOH & LD TBG & DC'S, RDPU&MOVE BACK, WE WILL INSTALL CELLAR & HAUL IN CALICHE AROUND WELLHEAD TUESDAY

	4/2/2013	4/2/2013				
11	6:00:00	7:00:00	13.00	0.0	ABAND	Abandon
	AM	PM		639.0		Zone

TTL, HPJSM, DIG OUT & SET CELLAR, HAUL IN NEW CALICHE & BUILD UP AROUND WELLBORE, SET IN 24' RIG MAT, MIRUPU, RIH w/ 2 3/8" MULESHOE, BENT PUP JNT TO 635', ATTEMPT TO ROTATE & WORK BACK INTO 4 1/2" CSG, GOT DOWN TO 639', CAN NO LONGER ROTATE, ALMOST GETTING STUCK, PULL UP THE HOLE 8 JNTS & WOO, CALLED EMNRD/NMOCD (RANDY DADE), & TOLD HIM WE WANTED TO SHALLOW PLU WELL FROM 600', HE SAID WE COULD NOT, HE ADVISED WE HAD TO GET BACK INSIDE CSG & PLUG ABOVE PERFS, CLOSE WELL IN & SION, TTY, WE WILL RIH w/TAPPERED MILL IN AM

	4/3/2013	4/3/2013				
12	6:00:00	6:00:00	12.00	0.0	ABAND	Abandon
	AM	PM		655.0		Zone

TTL. HPJSM, RIH w/ 3 3/4" LONG TAPPERED MILL, 10- 3 1/8" DC's, & 10 JNTS 2 3/8" TBG, NU STRIPPER RUBBER & SWIVEL, ATTEMPT TO BREAK CIRC, PUMPING 1 BPM DOWN THE TBG, TAG UP @639' & MILLED DOWN TO 655', DO NOT HAVE ANY RETURNS, WATER STARTED COMING UP AROUND THE GROUND, SD & POOH w/ TBG & BHA, RIH w/ 4 1/2" AD-1 TENSION PKR TO 60', ATTEMPT TO SET PKR, PICK UP ON PKR & PICKED UP 4 1/2" & 8 5/8 " CSG WITH 8K, SET BACK DOWN & RELEASE PKE, POOH, CLOSE WELL IN & SION, TTY, WE WILL ATTEMPT TO PICK UP ON CSG & HOLD IT UP & ATTEMPT TO GET THROUGH BAD SPOT @ 655'

TTL, HPJSM, RIH & LATCH ONTO 4 1/2" CSG, PICK UP CSG 18", SET SEALS UNDER BOP TO HOLD UP CSG STRING, RIH w/3 3/4" TAPPERED MILL, 10- 3 1/8" DC's & TBG, TAG AT 644', NU STRIPPER & SWIVEL, BRFK CIRCULATION. HAVE GOOD

	4/4/2013	4/4/2013							
13	6:00:00 AM	10:00:00 PM	16.00	0.0 1,110.0	ABAND	Abandon Zone			
	4/5/2013	4/5/2013							
14	6:00:00 AM	6:00:00 PM	12.00	0.0 1,317.0	ABAND	Abandon Zone			
	4/8/2013	4/8/2013							
15	6:00:00 AM	7:00:00 PM	13.00	0.0 945.0	ABAND	Abandon Zone			
	4/9/2013	4/9/2013							
16	6:00:00 AM	9:00:00 AM	3.00	0.0 640.0	ABAND	Abandon Zone			
	4/10/2013	4/10/2013							
17	6:00:00 AM	6:00:00 AM	0.00	0.0 640.0	ABAND	Abandon Zone			
	4/22/2013	4/22/2013							
18	6:00:00 AM	6:00:00 PM	12.00	0.0 1,130.0	ABAND	Abandon Zone			

RETURNS, NOT LEAKING OUT AROUND GROUND, START ROTATING DOWN, GOT TO 666', STARTED GOING FREE, RIH TO 1110' TO SOFT TAG, (GOT NO METAL or REDBED IN RETURNS, ONLY WATER) POOH w/TBG & BHA, DID NOT FEEL BAD PLACE IN CSG WHEN COMING OUT OF THE HOLE, PLAN TO RIH w/ 3 1/4" BIT IN THE AM, ATTEMPT TO CLEAN OUT FILL, ALL OF THE TBG & DC's WERE DULL, DO NOT APPEAR TO BE OUTSIDE CSG

TTL, HPJSM, RIH w/ 3.25" BIT, 10- 3 1/8" DC's & TBG, TAG @1007, NU STRIPPER & SWIVEL, ATTEMPT TO BREAK CIRCULATION, WELL IS COMMUNICATING WITH SURFACE, NOT CIRCULATING TO PIT, DRILL DOWN TO 1317', BIT PLUGGED WHILE MAKING CONNECTION, POOH w/TBG & BHA, FOUND BIT PLUGGED w/SCALE & REDBED TRY TO CALL EMNRD/NMOCD ARTESIA (RANDY DADE), WILL MEET WITH OCD MONDAY, CLOSE WELL IN & SION

TTL, HPJSM, OPEN WELL & RIH w/tBG & TAG @642', RU STRIPPER & SWIVEL & BREAK CIRCULATION, CIRCULATE CLEAN TO 945', POOH & WOO, RIH & POOH LAYING DOWN TBG & DC'S, RELEASE TOOLS & REVERSE UNIT, TALKED ABOUT GETTING CSG ALIGNMENT TOOL TO BE ABLE TO REPAIR BAD CSG TO STOP FORMATION SLUFFING, EMPTY & CLEAN REVERSE PIT, LEAVE BOP ON WELLHEAD, PREPARE TO RIG DOWN, SD BECAUSE OF WIND

TTL, HPJSM, RIG DOWN & ROAD TO WILLOWPEG #2...COMING BACK TO CONTINUE PA, WAITING ON CSG ALIGNMENT TOOL, JOB NOT COMPLETE

SD WAITING ON EQUIPMENT

TTL, HPJSM, SET RIG MAT, SPOT RIG & RIG UP, MOVE OUT REVERSE PIT & USED TOOLS, MIRU AIRTECH FOAMAIR UNIT, CALIPER & TALLY 10- 3 1/8" DC's, RIH w. 3 1/4" BIT, XO, DC's, XO & 26 JNTS TBG, TAG FILL @1130', GET READY TO ATTEMPT TO CLEAN OUT WELL TO PLUG, TOO LATE TO AIR UP & CLEAN OUT, PULL BIT UP ABOVE 626', CLOSE WELL IN & SION, TTY TTL, HPJSM, OPEN WELL & RIH w/TBG & TAG @1120', RIGGED UO STIPPER &

	4/23/2013	4/23/2013				
19	6:00:00	7:00:00	13.00	0.0 1,120.0	ABAND	Abandon Zone
	AM	PM				

SWIVEL, STARTED AIRING UP CSG, AFTER 10 MIN, WATER & AIR ARE COMING OUT AROUND GROUND, SD FOAMAIR UNIT, RD & RELEASE FOAMAIR UNIT, POOH & LD TBG & BHA, CLOSE WELL IN & RDPU&MO, SHUT DOWN UNTIL WE RECEIVE HES CSG ALIGNMENT TOOL, MOVE RIG TO JALMAT

	5/7/2013	5/7/2013				
20	1:00:00	9:00:00	8.00	0.0 0.0	ABAND	Abandon Zone
	PM	PM				

SET RIG MAT, TTL, HPJSM, MIRUPU, SET CEMENT EQUIPMENT, GET READY TO RUN CASING ALIGNMENT TOOL, SHUT DOWN, TTL

	5/8/2013	5/8/2013				
21	6:00:00	6:00:00	12.00	0.0 632.0	ABAND	Abandon Zone
	AM	PM				

TTL, HPJSM, RU FREEDOM FISHING REVERSE UNIT, FILL w/FRESH WATER, FILL FT WITH WATER, & BCM CEMENT PUMP, RIH w/HES CASING ALIGNMENT TOOL, TOP OF TOOL (CEMENT RETAINER) @603', BOTTOM OF TOOL @671', DROP SETTING BALL, RU PUMP ONTO TBG, LOAD TBG & PRESSURE UP TO 1800# & SET CR, CR DID NOT SET, POOH w/TBG & SETTING TOOL, RIH w/TBG TO 632' & TAG, ROTATE & WORK TBG CAN'T GET PAST 632', POOH & RIH w/MULSHOE SUB, STILL CAN'T GET PAST 632', POOH & WAIT ON 1.42" CENTER SPEAR, CAN'T GET FISHING TOOLS UNTILL TOMORROW, WILL ATTEMPT TO RETREIVE CSH ALIGNMENT TOOL, SHUT WELL IN & SION, TTY

TTL, HPJSM, MAKE 4 ATTEMPS WITH 1.42" CENTER SPEAR TO CATCH, ALIGNMENT TOOL & GET OUT OF HOLE, CAN'T CATCH TOOL, POOH w/SPEAR, RIH w/ 3 3/4"

	5/9/2013	5/9/2013				
22	6:00:00	7:00:00	13.00	0.0 632.0	ABAND	Abandon Zone
	AM	PM				

LEAD IMPRESSION BLOCK, POOH & FOUND FORMATION MARKINGS, RIH w/ 2 7/8" NOTCHED COLLAR & TBG, RU SWIVEL & STRIPPER HEAD, ATTEMPT TO CIRCULATE FILL OFF OF TOOL, WASHED DOWN 6" STARTED TORQUED UP, POOH & RIH w/ CENTER SPEAR AGAIN, STILL NO LUCK FISHING TOOL, CALLED & TALKED TO RANDY DADE & EL GONZALES w/NMOCD, THEY ADVISED IF WE CAN GET TO 1200'-1500' SE 20SX PLUG & PLUG FROM 636' TO SURFACE, WILL ATTEMPT TO GET TO DEPTH IN THE AM w/ BIT & TBG, CLOSE WELL IN SION, TTY

TTL, HPJSM, RIH w/ 3 3/4" BIT, XO's & TBG, WORK THROUGH BAD SPOT & CLEAN OUT TO 1300', POOH & LD BIT, RIH w/ TBG TO 1300', RU CEMENTERS & SPOT 20SX PLUG, FILL HOLE w/ SALT GEL, PULL UP TO 675', RU & START CEMENTING TO SURFACE, MIXED & PUMPED 400SX "C"

23	5/10/2013 6:00:00 AM	5/10/2013 11:00:00 PM	17.00	1,300.0 0.0	ABAND	Abandon Zone	CEMENT, CIRCULATED CEMENT TO OUTSIDE OF SURFACE CASING, RU LIGHT TOWER, POOH & LD TBG, RU & MIX 400SX "C" CEMENT & CIRCULATED INSIDE 8 5/8" & 4 1/2" CSG TO SURFACE, RD CEMENTERS, NOTIFIED NM OCD OF CIRCULATING CEMENT, THEY ADVISED TO TAG IT MONDAY, CLOSE WELL IN & SDFWE, EMPTY REVERSE PIT & 1/2 PIT, RELEASE ALL RENTAL TOOLS, WOC
24	5/11/2013 6:00:00 AM	5/11/2013 6:15:00 AM	0.25	0.0 0.0	GOP	General Operations	WOC
25	5/12/2013 6:00:00 AM	5/12/2013 6:00:00 AM	0.00	0.0 0.0	ABAND	Abandon Zone	WOC
26	5/13/2013 6:00:00 AM	5/13/2013 9:00:00 AM	3.00	0.0 0.0	ABAND	Abandon Zone	TTL, HPJSM, OPEN WELL & TAG CEMENT AT 60', ND BOP & TAKE OFF WELLHEAD, FILL 4 1/2" CSG w/CEMENT TO SURFACE (8SX) RIG DOWN PULLING UNIT & MOVE TO CLOSSON B FED #16, RELEASE ALL RENTAL TOOLS, DIG OUT CELLAR & START CLEANING UP LOCATION, WILL WELD ON DRYHOLE MARKER 5/14/13, WELL IS PLUGGED
27	5/14/2013 6:00:00 AM	5/14/2013 12:00:00 PM	6.00	0.0 0.0	ABAND	Abandon Zone	WELD ON DRY HOLE MARKER, CUT OFF GUY LINE ANCHORS & CLEANUP LOCATION. PA COMPLETE.

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