

<b>FORM INSP</b>	<b>State of Colorado</b>		DE	ET	OE	ES
Rev 05/11	<b>Oil and Gas Conservation Commission</b>		Inspection Date: <u>04/26/2013</u>			
	1120 Lincoln Street, Suite 801, Denver, Colorado 80203 Phone: (303) 894-2100 Fax: (303) 894-2109		Document Number: <u>669600019</u>			

**FIELD INSPECTION FORM**

Location Identifier	Facility ID	Loc ID	Inspector Name:	On-Site Inspection	<input type="checkbox"/>
	<u>221549</u>	<u>312416</u>	<u>KRABACHER, JAY</u>	2A Doc Num:	

Overall Inspection:  
Satisfactory

**Operator Information:**

OGCC Operator Number: 97396 Name of Operator: WOODRING\* MARTIN E FAMILY TRUST

Address: PO BOX 328

City: COLLBRAN State: CO Zip: 81624

**Contact Information:**

**Compliance Summary:**

QtrQtr: SWSE Sec: 16 Twp: 10S Range: 96W

Insp. Date	Doc Num	Insp. Type	Insp Status	Satisfactory /Unsatisfactory	PA P/F/I	Pas/Fail (P/F)	Violation (Y/N)
12/11/2012	668400837			U			N
02/29/2012	668400006	DM	DM	S			N
01/11/2012	659300106	DM	DM	U			N
12/05/2011	659300012	DM	DM	V			Y
02/08/1999	500154126	ID	SI			F	N

**Inspector Comment:**

Wed., April 24: JK at loc 7:40 a.m. MWS rig # 27 had arrived the day before and was mostly set-up. They did not have tools for the 1.9" tubing in the hole, so had to call for equipment to retrieve this, and also acquire enough 2.375" tubing to do the work as the rig was set up to work with that size (2 & 3/8"). RALPH SNOW, ("co. man"), Blac Frac. DENNIS, cementing dude w/Ralph Snow. TERRY with Sure Set Oil Tools (CICR, CIBP)"JUNIOR" rig manager, with crew of 5 moreJOHN McBROOM, lead engineer, RMWS – logging and perforating. Also "Bren." Irv Johnson, owner representative, Engineer (& Medical Physicist) Piñon EngineeringWater has been bubbling up around the surface casing – Ralph calculated about 40 bbl/hour. Chuck Browning noted that it was 'coal-bed-water' – due to coal fines. Also slight 'rotten egg' odor. Ralph sent a sample to Halliburton lab for analysis.10 a.m. rig pulled out the 1.9" tubing, now going in w/2.375". 3100' of 1.9" retrieved and laid down. Noon: going in to check for obstructions down to 2920'. (procedure step 4).2 p.m. to set lower CIBP. Set at 2894' (3 p.m.) Later, another CIBP @ 2150':3:30 p.m. putting in bottom cement plug – 5 bbl water before, 10 – 11 sx (15.8ppg), followed by 15 bbl flush water.5:20 p.m. Pressure-tester (STEVE from Western Slope Well Services). See doc # 2121945 – copy of the pressure chart. Started @ 325 psi. 5 min = 313 psi. 10 min = 307 psi. 15 min = 307 psi.PASS.They have a 2nd 400-bbl water tank on loc now, to better store and handle the water coming up and out of the well (still averaging ~ 40 bbl/hour). RMWS to perf. All depths are "KB." 6:30 p.m., perf'd at 2100' using 4" gun, 4 x 12-gram charges. Just after this there was 500 psi on the 5.5" casing. No circ. See step 8 of the procedures – so we had to run a CBL to determine TOC. JK left at 7 p.m. as the CBL was starting. Ralph called JK @ 8 p.m. to announce that TOC was ~ 1900'. We decided to switch the depth of the 2000' CICR to 1740' (50' above new set of perfs @ 1790'. Thursday, April 25 JK at loc 10:30 a.m. RMWS had just done the 1790' perfs. We are now circulating a while to try to get the gas out of the well before trying to set the next cement plug (from retainer down to 2150' CIBP). Ralph ordered ~ 150 bbl of 9.7 ppg mud. This should "quiet" (kill) the well. Casing pressure drops after circulating a while, now down to 60 psi.Chuck Browning by mid- to later afternoon. (He was present earlier 4/25, and the day before (& on Tuesday?). Chuck said that the 9.7 mud was mixed w/water, dropping down to 8.9, had high viscosity, and the well was mostly controlled soon after putting it in. Friday, April 26 JK @ loc 7:40 AM. They are pumping the bottom (at present) 10 sack plug over the CIBP @ 2150'. We had planned to put CICR @ 1740' but it's at 1745'. ("KB"). Starting 100 sx plug – yield = 1.15, 15.6 ppg, Type B. Portland type I/II, 92.6 #/sk9 a.m. CICR set, 9:20 begin cement, done @ 10 a.m. 105 sx put in. 1 bbl water ahead, 1 bbl water flush, + 5 bbl mud.1:15 p.m. perf @ 300'. NOON: WOC still, start clean-up, picking up.12:40: start surface cement. 120 sacks left, plan to use them all. (122+ sx).1:30: cement to surface, returns in the mud tank. Cement was 15.6+ ppg. Plan is to conduct the actual top-of-well P&A 4/29 9 a.m. (step 14 and some of 16). C Browning mentioned that he might be able to drop by at this time.

**Related Facilities:**

Facility ID	Type	Status	Status Date	Well Class	API Num	Facility Name
221549	WELL	DM	11/01/1991	GW	077-08151	WOODRING 15-16

**Equipment:** Location Inventory

Special Purpose Pits: _____	Drilling Pits: _____	Wells: _____	Production Pits: _____
Condensate Tanks: _____	Water Tanks: _____	Separators: _____	Electric Motors: _____
Gas or Diesel Motors: _____	Cavity Pumps: _____	LACT Unit: _____	Pump Jacks: _____
Electric Generators: _____	Gas Pipeline: _____	Oil Pipeline: _____	Water Pipeline: _____
Gas Compressors: _____	VOC Combustor: _____	Oil Tanks: _____	Dehydrator Units: _____
Multi-Well Pits: _____	Pigging Station: _____	Flare: _____	Fuel Tanks: _____

**Location**

Emergency Contact Number: (S/U/V) \_\_\_\_\_ Corrective Date: \_\_\_\_\_

Comment: \_\_\_\_\_

Corrective Action: \_\_\_\_\_

<b>Spills:</b>				
Type	Area	Volume	Corrective action	CA Date
<input type="checkbox"/> Multiple Spills and Releases?				

<b>Venting:</b>	
Yes/No	Comment

<b>Flaring:</b>				
Type	Satisfactory/Unsatisfactory	Comment	Corrective Action	CA Date

**Predrill**

Location ID: 312416

**Site Preparation:**

Lease Road Adeq.: \_\_\_\_\_ Pads: \_\_\_\_\_ Soil Stockpile: \_\_\_\_\_  
 Corrective Action: \_\_\_\_\_ Date: \_\_\_\_\_ CDP Num.: \_\_\_\_\_

**Form 2A COAs:**

**Comment:** \_\_\_\_\_

**CA:** \_\_\_\_\_ **Date:** \_\_\_\_\_

**Wildlife BMPs:**

**Comment:** \_\_\_\_\_

**CA:** \_\_\_\_\_ **Date:** \_\_\_\_\_

**Stormwater:**

Erosion BMPs	Present	Other BMPs	Present

Corrective Action: \_\_\_\_\_ Date: \_\_\_\_\_

Comments: Erosion BMPs: \_\_\_\_\_  
 Other BMPs: \_\_\_\_\_

**Comment:** \_\_\_\_\_

**Staking:**

**On Site Inspection (305):**

Surface Owner Contact Information:

Name: \_\_\_\_\_ Address: \_\_\_\_\_  
 Phone Number: \_\_\_\_\_ Cell Phone: \_\_\_\_\_

Operator Rep. Contact Information:

Landman Name: \_\_\_\_\_ Phone Number: \_\_\_\_\_  
 Date Onsite Request Received: \_\_\_\_\_ Date of Rule 306 Consultation: \_\_\_\_\_

Request LGD Attendance: \_\_\_\_\_

LGD Contact Information:

Name: \_\_\_\_\_ Phone Number: \_\_\_\_\_ Agreed to Attend: \_\_\_\_\_

Summary of Landowner Issues:

\_\_\_\_\_

Summary of Operator Response to Landowner Issues:

\_\_\_\_\_

Onsite Inspection Memorandum Summarizing Discussions at Inspection as Attachment:

\_\_\_\_\_

**Facility**

Facility ID: 221549 Type: WELL API Number: 077-08151 Status: DM Insp. Status: DM

**Cement**

Cement Contractor

Contractor Name: Blac Frac

Contractor Phone: \_\_\_\_\_

Surface Casing

Cement Volume (sx): \_\_\_\_\_

Circulate to Surface: \_\_\_\_\_

Cement Fall Back: \_\_\_\_\_

Top Job, 1" Volume: \_\_\_\_\_

Intermediate Casing

Cement Volume (sxs): \_\_\_\_\_

Good Return During Job: \_\_\_\_\_

Production Casing

Cement Volume (sx): \_\_\_\_\_

Good Return During Job: \_\_\_\_\_

Plugging Operations

Depth Plugs(feet range): 2890 - 0

Cement Volume (sx): 248

Good Return During Job: YES

Cement Type: 15.6 ppg, Type B

Comment: plugs from 2890 - 2830, 2150 - 2100, 1790 - 1690, 300 - 0  
amount of cement for plugs #1 thru 4: 11, 10, 105, 122

**Environmental**

**Spills/Releases:**

Type of Spill: \_\_\_\_\_ Description: \_\_\_\_\_ Estimated Spill Volume: \_\_\_\_\_

Comment: \_\_\_\_\_

Corrective Action: \_\_\_\_\_ Date: \_\_\_\_\_

Reportable: \_\_\_\_\_ GPS: Lat \_\_\_\_\_ Long \_\_\_\_\_

Proximity to Surface Water: \_\_\_\_\_ Depth to Ground Water: \_\_\_\_\_

**Water Well:**

DWR Receipt Num: \_\_\_\_\_ Owner Name: \_\_\_\_\_ GPS: \_\_\_\_\_ Lat \_\_\_\_\_ Long \_\_\_\_\_

**Field Parameters:**

Sample Location: \_\_\_\_\_

**Complaint:**

Tracking Num	Category	Assigned To	Description	Incident Date
200331883	SPILLS	BROWNING, CHUCK	Domestic well being blown down on open ground.	12/05/2011

Emission Control Burner (ECB): \_\_\_\_\_

Comment: \_\_\_\_\_

Pilot: \_\_\_\_\_ Wildlife Protection Devices (fired vessels): \_\_\_\_\_

**Reclamation - Storm Water - Pit**

**Interim Reclamation:**

Date Interim Reclamation Started: \_\_\_\_\_ Date Interim Reclamation Completed: \_\_\_\_\_

Land Use: \_\_\_\_\_

Comment: \_\_\_\_\_

1003a. Debris removed? \_\_\_\_\_ CM \_\_\_\_\_  
 CA \_\_\_\_\_ CA Date \_\_\_\_\_  
 Waste Material Onsite? \_\_\_\_\_ CM \_\_\_\_\_  
 CA \_\_\_\_\_ CA Date \_\_\_\_\_  
 Unused or unneeded equipment onsite? \_\_\_\_\_ CM \_\_\_\_\_  
 CA \_\_\_\_\_ CA Date \_\_\_\_\_  
 Pit, cellars, rat holes and other bores closed? \_\_\_\_\_ CM \_\_\_\_\_  
 CA \_\_\_\_\_ CA Date \_\_\_\_\_  
 Guy line anchors removed? \_\_\_\_\_ CM \_\_\_\_\_  
 CA \_\_\_\_\_ CA Date \_\_\_\_\_  
 Guy line anchors marked? \_\_\_\_\_ CM \_\_\_\_\_  
 CA \_\_\_\_\_ CA Date \_\_\_\_\_

1003b. Area no longer in use? \_\_\_\_\_ Production areas stabilized ? \_\_\_\_\_  
 1003c. Compacted areas have been cross ripped? \_\_\_\_\_  
 1003d. Drilling pit closed? \_\_\_\_\_ Subsidence over on drill pit? \_\_\_\_\_  
 Cuttings management: \_\_\_\_\_  
 1003e. Areas no longer needed for drilling or subsequent operations for have been re-vegetated to 80% of pre-existing? \_\_\_\_\_  
 Production areas have been stabilized? \_\_\_\_\_ Segregated soils have been replaced? \_\_\_\_\_

RESTORATION AND REVEGETATION

Cropland

Top soil replaced \_\_\_\_\_ Recontoured \_\_\_\_\_ Perennial forage re-established \_\_\_\_\_

Non-Cropland

Top soil replaced \_\_\_\_\_ Recontoured \_\_\_\_\_ 80% Revegetation \_\_\_\_\_

1003 f. Weeds Noxious weeds? \_\_\_\_\_  
 Comment: \_\_\_\_\_

Overall Interim Reclamation

**Final Reclamation/ Abandoned Location:**

Date Final Reclamation Started: \_\_\_\_\_ Date Final Reclamation Completed: \_\_\_\_\_

Final Land Use: \_\_\_\_\_

Reminder: \_\_\_\_\_

Comment: \_\_\_\_\_

Well plugged \_\_\_\_\_ Pit mouse/rat holes, cellars backfilled \_\_\_\_\_

Debris removed \_\_\_\_\_ No disturbance /Location never built \_\_\_\_\_

Access Roads Regraded \_\_\_\_\_ Contoured \_\_\_\_\_ Culverts removed \_\_\_\_\_

Gravel removed \_\_\_\_\_

Location and associated production facilities reclaimed \_\_\_\_\_ Locations, facilities, roads, recontoured \_\_\_\_\_

Compaction alleviation \_\_\_\_\_ Dust and erosion control \_\_\_\_\_

Non cropland: Revegetated 80% \_\_\_\_\_ Cropland: perennial forage \_\_\_\_\_

Weeds present \_\_\_\_\_ Subsidence \_\_\_\_\_

Comment: \_\_\_\_\_

Corrective Action: \_\_\_\_\_ Date \_\_\_\_\_

Overall Final Reclamation \_\_\_\_\_ Multi-Well Location

**Storm Water:**

Loc Erosion BMPs	BMP Maintenance	Lease Road Erosion BMPs	Lease BMP Maintenance	Chemical BMPs	Chemical BMP Maintenance	Comment

S/U/V: \_\_\_\_\_ Corrective Date: \_\_\_\_\_

Comment: \_\_\_\_\_

CA: \_\_\_\_\_

**COGCC Comments**

Comment	User	Date
<p>P&amp;A of Woodring #15-16 (077-08151)            OPR = Woodring Family Trust (#97396), well has been DM (domestic) status</p> <p>4/24/2013: see doc # 400408522 in wellfiles – proposed plugging procedure, revision = 12/08/2011. D Andrews wrote up a 16-step procedure, which, as of 4/26/2013, was the procedure followed except for a couple minor revisions (e.g., top-of-cement was determined to be higher than estimated, so that the “perforate at 2100’ “ step was unnecessary). Also see doc #400408519, the Form 6 Intent to Abandon.</p> <p>the proposed procedure, 16 steps: The steps on same line after the number are the proposed. The steps on the line below is what actually was done.</p> <p>1. collect GPS            C Browning had done this (by 4/29), will submit</p> <p>2 obtain COGCC approval prior to P&amp;A (Form 6 NOI)            Probably a little late, K King called JK after work had started but before it was finished to say he had approved this</p> <p>3 Notify D Andrews 48 hrs prior to MIRU            Done. D Andrews asked JK to go to this 4/23.</p> <p>4 RIH w/gauge ring to 2920’, contact COGCC if obstructions            Went in w/2.375” tubing, no obstructions all the way to 2920’.</p> <p>5 set CIBP @ 2890’. Dump-bail 2 sx cmt on top            Set at 2894’. 10 – 11 sx cmt on top w/tubing</p> <p>6 set CIBP @ 2150’            Done, 5 p.m. 4/24 – 10 sx on top 4/26 a.m.</p> <p>7 pressure-test casing to 300 psi (15 min), notify COGCC if lose more than 10%. See step 11            Pressure test started at 325 psi, @ 15 min the pressure = 307 psi. PASS</p> <p>8 perf @ 2100’ and estab circ thru’ BradenHead (BH). If no CIRC, then run CBL from 2150’ to surf            and submit copy to COGCC and contact re: revised plugging orders</p> <p>Perfs @ 6:30 p.m.. CBL started @ ~ 7 p.m. TOC determined to be 1890’. We revised procedures:            added perfs @ 1790’ and set CICR @ 1740’ (not 2000’)</p> <p>9 set CICR @ 2000’            See #8, this changed to 1745’. (after another set of perfs added, 1790’)</p> <p>10 sting into retainer and pump 38 sx and dump 2 sx cmnt on top of retainer            We pumped 100 (+) sacks.</p> <p>11 if MIT failed during step 7, then set CIBP @ 350’, otherwise go to step 12            MIT didn’t fail.</p> <p>12 perf @ 300’ and estab circ thru BH. If no circ, contact COGCC to modify P&amp;A procedure            Perf’d @ 300’, there had been circulation up thru’ BH since the perf’s @ 1790’.</p> <p>13 pump 100 sx cmt down casing and up annulus. Circ cmt to surface            We pumped 122 sacks, and several (~ 4) came to surface</p> <p>14 cut casing 4’ below ground level &amp; weld plate            Blac Frac (R Snow) plans to do this and next two steps on Monday 4/29</p> <p>15 submit subsequent Form 6 w/in 30 days after P&amp;A</p> <p>16 reclaim surface per COGCC’s 100-series rules. A satisfactory COGCC field inspection to document well plugging and completed reclamation are required prior to releasing the plugging bond.</p>	krabachj	04/29/2013