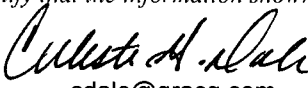


Submit To Appropriate District Office Two Copies District I 1625 N. French Dr., Hobbs, NM 88240 District II 811 S. First St., Artesia, NM 88210 District III 1000 Rio Brazos Rd., Aztec, NM 87410 District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505						HOBBS OGD State of New Mexico Energy, Minerals and Natural Resources JUL 15 2013 Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 RECEIVED						Form C-105 Revised August 1, 2011							
						1. WELL API NO. 30-025-41061													
						2. Type of Lease <input checked="" type="checkbox"/> STATE <input type="checkbox"/> FEE <input type="checkbox"/> FED/INDIAN													
						3. State Oil & Gas Lease No. B-934													
WELL COMPLETION OR RECOMPLETION REPORT AND LOG																			
4. Reason for filing: <input checked="" type="checkbox"/> COMPLETION REPORT (Fill in boxes #1 through #31 for State and Fee wells only) <input type="checkbox"/> C-144 CLOSURE ATTACHMENT (Fill in boxes #1 through #9, #15 Date Rig Released and #32 and/or #33; attach this and the plat to the C-144 closure report in accordance with 19.15.17.13.K NMAC)						5. Lease Name or Unit Agreement Name Encore M State													
						6. Well Number: 010													
7. Type of Completion: <input checked="" type="checkbox"/> NEW WELL <input type="checkbox"/> WORKOVER <input type="checkbox"/> DEEPENING <input type="checkbox"/> PLUGBACK <input type="checkbox"/> DIFFERENT RESERVOIR <input type="checkbox"/> OTHER																			
8. Name of Operator Quantum Resources Management, LLC						9. OGRID 243874													
10. Address of Operator 1401 McKinney St., Suite #2400, Houston, TX 77010						11. Pool name or Wildcat Drinkard/Wantz; Abo													
12. Location	Unit Ltr	Section	Township	Range	Lot	Feet from the	N/S Line	Feet from the	E/W Line	County									
Surface:	M	17	22S	37E		770	S	770	W	Lea									
BH:	M	17	22S	37E		770	S	770	W	Lea									
13. Date Spudded 05/17/13	14. Date T.D. Reached 06/03/13	15. Date Rig Released 06/04/13		16. Date Completed (Ready to Produce) 06/23/13		17. Elevations (DF and RKB, RT, GR, etc.) <small>3396'GR, 3407'DF, 3408'KB</small>													
18. Total Measured Depth of Well 6874'		19. Plug Back Measured Depth 6819'		20. Was Directional Survey Made? No		21. Type Electric and Other Logs Run HDIL-Elect/DSL-GR-Neu-Den													
22. Producing Interval(s), of this completion - Top, Bottom, Name 6490'-6648' - Drinkard; 6710'-6757' - Wantz; Abo																			
23. CASING RECORD (Report all strings set in well)																			
CASING SIZE		WEIGHT LB./FT.		DEPTH SET		HOLE SIZE		CEMENTING RECORD		AMOUNT PULLED									
20"				53'															
13-3/8"		54.5		1215'		17-1/2"		910sx Cl "C"		0									
8-5/8"		32		4011'		11"		775sx Cl "C"		0									
5-1/2"		20		6874'		7-7/8"		725sx Cl "H"		0									
24. LINER RECORD																			
SIZE	TOP	BOTTOM		SACKS CEMENT	SCREEN		25. TUBING RECORD												
							SIZE	DEPTH SET	PACKER SET										
							2-7/8"	6473'	6473'										
26. Perforation record (interval, size, and number) 6490' - 6648' phased 120, 2 spf, 106 holes 6710' - 6757' phased 120, .41", 33 holes						27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC. <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th>DEPTH INTERVAL</th> <th>AMOUNT AND KIND MATERIAL USED</th> </tr> <tr> <td>6490' - 6648'</td> <td>A/71Bbls 15% acid+167,446# 20/40sd+</td> </tr> <tr> <td>11,680# 100 mesh+</td> <td>130,958# 20/40 Ottawa+56,000# Super LC</td> </tr> <tr> <td>6710' - 6757'</td> <td>A/2000G 15%HCl NEFE+10,000#sd+19,100#sd</td> </tr> </table>						DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED	6490' - 6648'	A/71Bbls 15% acid+167,446# 20/40sd+	11,680# 100 mesh+	130,958# 20/40 Ottawa+56,000# Super LC	6710' - 6757'	A/2000G 15%HCl NEFE+10,000#sd+19,100#sd
DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED																		
6490' - 6648'	A/71Bbls 15% acid+167,446# 20/40sd+																		
11,680# 100 mesh+	130,958# 20/40 Ottawa+56,000# Super LC																		
6710' - 6757'	A/2000G 15%HCl NEFE+10,000#sd+19,100#sd																		
28. PRODUCTION																			
Date First Production 06/25/13		Production Method (<i>Flowing, gas lift, pumping - Size and type pump</i>) Pumping 2.5 X 1.5 X 26 RHBC				Well Status (<i>Prod. or Shut-in</i>) Prod													
Date of Test 07/06/13	Hours Tested 24	Choke Size 64	Prod'n For Test Period	Oil - Bbl 84	Gas - MCF 198	Water - Bbl. 108	Gas - Oil Ratio 2357												
Flow Tubing Press. 350	Casing Pressure 95	Calculated 24-Hour Rate	Oil - Bbl. 84	Gas - MCF 198	Water - Bbl. 108	Oil Gravity - API - (<i>Corr.</i>) 39.8													
29. Disposition of Gas (<i>Sold, used for fuel, vented, etc.</i>) Sold						30. Test Witnessed By													
31. List Attachments Forms C-102, C-104, Well Logs, Inclination Report, Cement Reports																			
32. If a temporary pit was used at the well, attach a plat with the location of the temporary pit.																			
33. If an on-site burial was used at the well, report the exact location of the on-site burial:																			
Latitude _____ Longitude _____ NAD 1927 1983																			
I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief																			
Signature 		Printed Name Celeste G. Dale		Title Sr. Regulatory Analyst				Date 07/10/13											
E-mail Address cdale@qracq.com																			

DHC-HOB-518

Koe

OCT 22 2013

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INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Division not later than 20 days after the completion of any newly-drilled or deepened well and not later than 60 days after completion of closure. When submitted as a completion report, this shall be accompanied by one copy of all electrical and radio-activity logs run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, items 11, 12 and 26-31 shall be reported for each zone.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

Southeastern New Mexico		Northwestern New Mexico	
T. Anhy 2400' <i>1091</i>	T. Canyon	T. Ojo Alamo	T. Penn A"
T. Salt	T. Strawn	T. Kirtland	T. Penn. "B"
B. Salt	T. Atoka	T. Fruitland	T. Penn. "C"
T. Yates 2677'	T. Miss	T. Pictured Cliffs	T. Penn. "D"
T. 7 Rivers 2862'	T. Devonian	T. Cliff House	T. Leadville
T. Queen 3365'	T. Silurian	T. Menefee	T. Madison
T. Grayburg 3587'	T. Montoya	T. Point Lookout	T. Elbert
T. San Andres 3809'	T. Simpson	T. Mancos	T. McCracken
T. Glorieta 5230'	T. McKee	T. Gallup	T. Ignacio Otzte
T. Paddock	T. Ellenburger	Base Greenhorn	T. Granite
T. Blinbry 5538'	T. Gr. Wash	T. Dakota	
T. Tubb 6172'	T. Delaware Sand	T. Morrison	
T. Drinkard 6283'	T. Bone Springs	T. Todilto	
T. Abo 6660'	T.	T. Entrada	
T. Wolfcamp	T.	T. Wingate	
T. Penn	T.	T. Chinle	
T. Cisco (Bough C)	T.	T. Permian	

OIL OR GAS SANDS OR ZONES

No. 1, from.....to.....

No. 2, from.....to.....

No. 3, from.....to.....

No. 4, from.....to.....

IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from.....to.....feet.....
 No. 2, from.....to.....feet.....
 No. 3, from.....to.....feet.....

LITHOLOGY RECORD (Attach additional sheet if necessary)

From	To	Thickness In Feet	Lithology

From	To	Thickness In Feet	Lithology

**RAILROAD COMMISSION OF TEXAS
OIL AND GAS DIVISION**

Form W-12
(1-1-71)
FOD1296

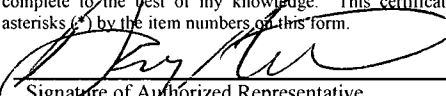
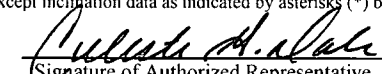
INCLINATION REPORT (One Copy Must Be Filed With Each Completion Report)		6. RRC District
1. FIELD NAME (as per RRC Records or Wildcat) <i>Blinberry Oil And Gas (oil) / Wantz; Abo</i>		7. RRC Lease Number. (Oil completions only)
2. LEASE NAME Encore M State		8. Well Number 10
3. OPERATOR Quantum Resources Management LLC		9. RRC Identification Number (Gas completions only)
4. ADDRESS <i>1401 McKinney St., Suite 2400 Houston, TX 77010</i>		10. County <i>Lea Co., NM</i>
5. LOCATION (Section, Block, and Survey) <i>Sec. 17, T-22-S, R-37-E</i>		

RECORD OF INCLINATION

*11. Measured Depth (feet)	12. Course Length (Hundreds of feet)	*13. Angle of Inclination (Degrees)	14. Displacement per Hundred Feet (Sine of Angle x 100)	15. Course Displacement (feet)	16. Accumulative Displacement (feet)
460	460	0.50	0.87	4.01	4.01
540	80	0.50	0.87	0.70	4.71
971	431	0.50	0.87	3.76	8.47
1400	429	0.50	0.87	3.74	12.22
1913	513	1.25	2.18	11.19	23.41
2308	395	1.50	2.62	10.34	33.75
2527	219	1.50	2.62	5.73	39.48
2850	323	1.25	2.18	7.05	46.53
3126	276	0.00	0.00	0.00	46.53
3300	174	1.00	1.75	3.04	49.56
3714	414	1.00	1.75	7.23	56.79
4200	486	0.75	1.31	6.36	63.15
4711	511	1.25	2.18	11.15	74.30
4897	186	1.00	1.75	3.25	77.54
5454	557	1.25	2.18	12.15	89.70

If additional space is needed, use the reverse side of this form.

17. Is any information shown on the reverse side of this form? ☒ yes ☐ no
18. Accumulative total displacement of well bore at total depth of **6463** feet = **107.90** feet.
- *19. Inclination measurements were made in - ☐ Tubing ☐ Casing ☐ Open hole ☒ Drill Pipe
20. Distance from surface location of well to the nearest lease line _____ feet.
21. Minimum distance to lease line as prescribed by field rules _____ feet.
22. Was the subject well at any time intentionally deviated from the vertical in any manner whatsoever? No
- (If the answer to the above question is "yes," attach written explanation of the circumstances.)

<p>INCLINATION DATA CERTIFICATION</p> <p>I declare under penalties prescribed in Sec. 91.143, Texas Natural Resources Code, that I am authorized to make this certification, that I have personal knowledge of the inclination data and facts placed on both sides of this form and that such data and facts are true, correct, and complete to the best of my knowledge. This certification covers all data as indicated by asterisks (*) by the item numbers on this form.</p> <p> _____ Signature of Authorized Representative Danny Crow, VP of Operations Name of Person and Title (type or print) Felderhoff Drilling Name of Company Telephone: 940-668-8344 Area Code</p>	<p>OPERATOR CERTIFICATION</p> <p>I declare under penalties prescribed in Sec. 91.143, Texas Natural Resources Code, that I am authorized to make this certification, that I have personal knowledge of all information presented in this report, and that all data presented on both sides of this form are true, correct, and complete to the best of my knowledge. This certification covers all data and information presented herein except inclination data as indicated by asterisks (*) by the item numbers on this form.</p> <p> _____ Signature of Authorized Representative Celeste G. Dale Sr. Regulatory Analyst Name of Person and Title (type or print) Quantum Resources Management, LLC Operator Telephone: 432-683-1500 Area Code</p>
---	--

Railroad Commission Use Only:

Approved By:  Title: _____ Date: _____

* Designates items certified by company that conducted the inclination surveys.

Petroleum Engineer

OCT 22 2013

OCT 22 2013

RECORD OF INCLINATION (Continued from reverse side)

[illegible]

If additional space is needed, attach separate sheet and check here. ☐

REMARKS:

- INSTRUCTIONS -

An inclination survey made by persons or concerns approved by the Commission shall be filed on a form prescribed by the Commission for each well drilled or deepened with rotary tools or when, as a result of any operation, the course of the well is changed. No inclination survey is required on wells that are drilled and completed as dry holes that are plugged and abandoned. (Inclination surveys are required on re-entry of abandoned wells.) Inclination surveys must be made in accordance with the provisions of Statewide Rule 11.

This report shall be filed in the District Office of the Commission for the district in which the well is drilled, by attaching one copy to each appropriate completion for the well. (except Plugging Report)

The Commission may require the submittal of the original charts, graphs, or discs, resulting from the surveys.

Cementer: Fill in shaded areas
Operator: Fill in other items

Form W-15
Cementing Report
Rev. 4/1/83
HLBRTN1096

RAILROAD COMMISSION OF TEXAS

Oil and Gas Division

1. Operator's Name (As Shown on Form P-5, Organization Report)	2. RRC Operator No.	3. RRC District No.	4. County of Well Site
QUANTUM RESOURCES Management, LLC			LEA Co., NM
5. Field Name (Wildcat or Exactly as Shown on RRC Records)	6. API No.	7. Drilling Permit No.	
Blinberry Oil And Gas (oil) / Wantz; Abo / Drinkard	42	30-025-41061	
8. Lease Name	9. Rule 37 Case No.	10. Oil Lease/Gas ID No.	11. Well Number
ENCORE "M" STATE			#10

CASING CEMENTING DATA:		SURFACE CASING	INTERMEDIATE CASING	PRODUCTION CASING		MULTI-STAGE CEMENTING PROCESS	
				SINGLE STRING	MULTIPLE PARALLEL STRINGS	TOOL	SHOE
12. Cementing Date		5/20/2013					
13. *Drilled Hole Size		17 1/2					
*Ext. % Wash or Hole Enlargement							
14. Size of Casing (in. O.D.)		13 3/8					
15. Top of Liner (ft)							
16. Setting Depth (ft)		1215'					
17. Number of Centralizers Used							
18. Hrs. Waiting on Cement Before Drill-Out		37					
1 st Slurry	19. API Cement Used: No. of Sacks >	660SKS					
	Class >	CLASS C					
	Additives >	SEE RMKS					
2 nd Slurry	No. of Sacks >	250SKS					
	Class >	CLASS C					
	Additives >	SEE RMKS					
3 rd Slurry	No. of Sacks >						
	Class >						
	Additives >						
1st	20. Slurry Pumped: Volume (cu.ft.) >	1254					
	Height (ft) >	1808					
2nd	Volume (cu.ft.) >	412					
	Height (ft) >	525					
3rd	Volume (cu.ft.) >						
	Height (ft) >						
	Volume (cu.ft.) >	1666					
	Height (ft) >	2333					
21. Was Cement Circulated to Ground Surface (or Bottom of Casing) Outside Casing?		YES					
22. Remarks							
CIRCULATED 50BBLs, 148SKS BACK TO SURFACE							
LEAD CMT. 660SKS OF TRANS TEX LITE WITH 2% CACL, 3#/SK GILSONITE, AND 1/4#/SK CELLOFLAKE AT 13PPG							
TAIL CMT. 250SKS OF TRANS TEX LITE WITH 2% CACL, 3#/SK GILSONITE, AND 1/4#/SK CELLOFLAKE AT 13.8PPG							

OVER →

CEMENTING TO PLUG AND ABANDON	PLUG #1	PLUG #2	PLUG #3	PLUG #4	PLUG #5	PLUG #6	PLUG #7	PLUG #8
23. Cementing Date								
24. Size of Hole or Pipe Plugged (in)								
25. Depth to Bottom of Tubing or Drill Pipe (ft)								
26. Sacks of Cement Used (each plug)								
27. Slurry Volume Pumped (cu.ft.)								
28. Calculated Top of Plug (ft)								
29. Measured Top of Plug, If Tagged (ft)								
30. Slurry Wt. (lbs/gal)								
31. Type Cement								

CEMENTERS CERTIFICATE: I declare under penalties prescribed in Sec. 91.143, Texas Natural Resources Code, that I am authorized to make this certification, that the cementing of casing and/or the placing of cement plugs in this well as shown in the report was performed by me or under my supervision, and that the cementing data and facts presented on both sides of this form are true, correct, and complete, to the best of my knowledge. This certification covers cementing data only.

OMAR A. RAMOS
Name and Title of Cementer's Representative

TRANS-TEX CEMENTING SERVICES, LLC
Cementing Company

Signature

5019 BASIN ST
Address

Midland, Texas 79703
City State Zip Code

432-694-4900
Tel: Area Code Number

5/20/2013
Date: Mo. Day Yr.

OPERATOR'S CERTIFICATE: I declare under penalties prescribed in Sec. 91.143, Texas Natural Resources Code, that I am authorized to make this certification, that I have knowledge of the well data and information presented in this report, and that data and facts presented on both sides of this form are true, correct, and complete, to the best of my knowledge. This certification covers all well data.

Celeste G. Dale
Typed or Printed Name of Operators Representative

Sr. Regulatory Analyst
Title

Signature

4000 N. Big Spring St., Ste. 305, Midland TX 79705
Address

City State Zip Code

432-683-1500
Tel: Area Code Number

06/18/13
Date: Mo. Day Yr.

Instruction to Form W-15, Cementing Report

IMPORTANT: Operators and cementing companies must comply with the requirements of the Commission's Statewide rules 8 (Water Protection), 13 (Casing, Cementing, Drilling, and Completion, and 14 (Well Plugging). For offshore operations, see the requirements of Rule 13 (c).

A. What to file. An operator should file an original and one copy of the completed Form W-15 for each cementing company used on a well. The cementing of different casing strings on a well by one cementing company may be reported on one form. Form W-15 should be filed with the following:

- * An initial oil or gas completion report, **Form W-2 or G-1**, as required by Statewide or special field rules;
- * **Form W-4**, Application for Multiple Completion, if the well is a multiple parallel casing completion; and
- * **Form W-3**, Plugging Record, unless the W-3 is signed by the cementing company representative. When reporting dry holes, operators must complete **W-15**, in addition to **Form W-3**, to show any casing cemented in the hole.

B. Where to file. The appropriate Commission District Office for the county in which the well is located.

C. Surface casing. An operator must set and cement sufficient surface casing to protect all usable-quality water strata, as defined by the Texas Department of Water Resources, Austin. Before drilling a well in any field or area in which no field rules are in effect or in which surface casing requirements are not specified in the applicable rules, an operator must obtain a letter from the Department of Water Resources stating the protection depth. Surface casing should not be set deeper than 200 feet below the specified depth without prior approval from the Commission.

D. Centralizers. Surface casing must be centralized at the shoe, above and below a stage collar or diverting tool, if run, and through usable-quality water zones. In nondeviated holes, a centralizer must be placed every fourth joint from the cement shoe to the ground surface or to the bottom of the cellar. All centralizers must meet API specifications.

E. Exceptions and alternative casing programs. The District Director may grant an exception to the requirements of Statewide Rule 13. In a written applications, an operator must state the reason for the requested exception and outline an alternate program for casing and cementing through the protection depth for strata containing usable-quality water. The District Director may approve, modify, or reject a proposed program. **An operator must obtain approval of any exception before beginning casing and cementing operations.**

F. Intermediate and production casing. For specific technical requirements, operators should consult Statewide Rule 12 (b) (3) and (4).

G. Plugging and abandoning. Cement plugs must be placed in the wellbore as required by Statewide Rule 14. The District Director may require additional cement plugs. For onshore or inland wells, a 10-foot cement plug must be placed in the top of the well, and the casing must be cut off three feet below the ground surface. All cement plugs, except the top plug, must have sufficient slurry volume to fill 100 feet of hole, plus ten percent for each 1000 feet of depth from the ground surface to the bottom of the plug.

To plug and abandon a well, operators must use only cementers approved by the Director of Field Operations. Cementing companies, service companies, or operators can qualify as approved cementers by demonstrating that they are able to mix and pump cement in compliance with Commission rules and regulations.

Cementer: Fill in shaded areas
Operator: Fill in other items

RAILROAD COMMISSION OF TEXAS

Oil and Gas Division

1. Operator's Name (As Shown on Form P-5, Organization Report)	2. RRC Operator No.	3. RRC District No.	4. County of Well Site
Quantum Resources Management LLC			Lea co., NM
5. Field Name (Wildcat or Exactly as Shown on RRC Records)	6. API No.	7. Drilling Permit No.	
Blinebry Oil And Gas (oil) / Wantz, Abo / Brinkard	42-	30-025-41061	
8. Lease Name	9. Rule 37 Case No.	10. Oil Lease/Gas ID No.	11. Well Number
Encore "M" State			10

CASING CEMENTING DATA:		SURFACE CASING	INTERMEDIATE CASING	PRODUCTION CASING		MULTI-STAGE CEMENTING PROCESS	
				SINGLE STRING	MULTIPLE PARALLEL STRINGS	TOOL	SHOE
12. Cementing Date			5/29/2013				
13. *Drilled Hole Size			11"				
*Ext. % Wash or Hole Enlargement							
14. Size of Casing (in. O.D.)			8 5/8				
15. Top of Liner (ft)							
16. Setting Depth (ft)			4008				
17. Number of Centralizers Used							
18. Hrs. Waiting on Cement Before Drill-Out			22				
1st Slurry	19. API Cement Used: No. of Sacks >		575				
	Class >		"C"				
	Additives >		see remarks				
2nd Slurry	No. of Sacks >		200				
	Class >		"C"				
	Additives >		1/4# celloflake				
3rd Slurry	No. of Sacks >						
	Class >						
	Additives >						
1st	20. Slurry Pumped: Volume (cu.ft.) >		1380				
	Height (ft) >		3344				
2nd	Volume (cu.ft.) >		200				
	Height (ft) >		640				
3rd	Volume (cu.ft.) >						
	Height (ft) >						
	Volume (cu.ft.) >		1580				
	Height (ft) >		3984				
21. Was Cement Circulated to Ground Surface (or Bottom of Celler) Outside Casing?			no				
22. Remarks							
Lead 50/50 "C" 10%gel, 5%salt, 3#gilsonite, 1/4#celloflake							

CEMENTING TO PLUG AND ABANDON	PLUG #1	PLUG #2	PLUG #3	PLUG #4	PLUG #5	PLUG #6	PLUG #7	PLUG #8
23. Cementing Date								
24. Size of Hole or Pipe Plugged (in)								
25. Depth to Bottom of Tubing or Drill Pipe (ft)								
26. Sacks of Cement Used (each plug)								
27. Slurry Volume Pumped (cu.ft.)								
28. Calculated Top of Plug (ft)								
29. Measured Top of Plug, If Tagged (ft)								
30. Slurry Wt. (lbs/gal)								
31. Type Cement								

CEMENTERS CERTIFICATE: I declare under penalties prescribed in Sec. 91.143, Texas Natural Resources Code, that I am authorized to make this certification, that the cementing of casing and/or the placing of cement plugs in this well as shown in the report was performed by me or under my supervision, and that the cementing data and facts presented on both sides of this form are true, correct, and complete, to the best of my knowledge. This certification covers cementing data only.

Michael Mayfield
Name and Title of Cementer's Representative

TRANS-TEX CEMENTING SERVICES, LLC
Cementing Company

Michael Mayfield
Signature

5019 BASIN ST Midland, Texas 79703
Address City State Zip Code

432-694-4900
Tel: Area Code Number

5/29/13
Date: Mo. Day Yr.

OPERATOR'S CERTIFICATE: I declare under penalties prescribed in Sec. 91.143, Texas Natural Resources Code, that I am authorized to make this certification, that I have knowledge of the well data and information presented in this report, and that data and facts presented on both sides of this form are true, correct, and complete, to the best of my knowledge. This certification covers all well data.

Celeste G. Dale
Typed or Printed Name of Operators Representative

Sr. Regulatory Analyst
Title

Celeste G. Dale
Signature

4000 N. Big Spring St, Suite 305 Midland TX 79705
Address City State Zip Code

432-683-1500
Tel: Area Code Number

06/18/13
Date: Mo. Day Yr.

Instruction to Form W-15, Cementing Report

IMPORTANT: Operators and cementing companies must comply with the requirements of the Commission's Statewide rules 8 (Water Protection), 13 (Casing, Cementing, Drilling, and Completion, and 14 (Well Plugging). For offshore operations, see the requirements of Rule 13 (c).

A. What to file. An operator should file an original and one copy of the completed Form W-15 for each cementing company used on a well. The cementing of different casing strings on a well by one cementing company may be reported on one form. Form W-15 should be filed with the following:

- * An initial oil or gas completion report, Form W-2 or G-1, as required by Statewide or special field rules;
- * Form W-4, Application for Multiple Completion, if the well is a multiple parallel casing completion; and
- * Form W-3, Plugging Record, unless the W-3 is signed by the cementing company representative. When reporting dry holes, operators must complete W-15, in addition to Form W-3, to show any casing cemented in the hole.

B. Where to file. The appropriate Commission District Office for the county in which the well is located.

C. Surface casing. An operator must set and cement sufficient surface casing to protect all usable-quality water strata, as defined by the Texas Department of Water Resources, Austin. Before drilling a well in any field or area in which no field rules are in effect or in which surface casing requirements are not specified in the applicable rules, an operator must obtain a letter from the Department of Water Resources stating the protection depth. Surface casing should not be set deeper than 200 feet below the specified depth without prior approval from the Commission.

D. Centralizers. Surface casing must be centralized at the shoe, above and below a stage collar or diverting tool, if run, and through usable-quality water zones. In nondeviated holes, a centralizer must be placed every fourth joint from the cement shoe to the ground surface or to the bottom of the cellar. All centralizers must meet API specifications.

E. Exceptions and alternative casing programs. The District Director may grant an exception to the requirements of Statewide Rule 13. In a written applications, an operator must state the reason for the requested exception and outline an alternate program for casing and cementing through the protection depth for strata containing usable-quality water. The District Director may approve, modify, or reject a proposed program. An operator must obtain approval of any exception before beginning casing and cementing operations.

F. Intermediate and production casing. For specific technical requirements, operators should consult Statewide Rule 12 (b) (3) and (4).

G. Plugging and abandoning. Cement plugs must be placed in the wellbore as required by Statewide Rule 14. The District Director may require additional cement plugs. For onshore or inland wells, a 10-foot cement plug must be placed in the top of the well, and the casing must be cut off three feet below the ground surface. All cement plugs, except the top plug, must have sufficient slurry volume to fill 100 feet of hole, plus ten percent for each 1000 feet of depth from the ground surface to the bottom of the plug.

To plug and abandon a well, operators must use only cementers approved by the Director of Field Operations. Cementing companies, service companies, or operators can qualify as approved cementers by demonstrating that they are able to mix and pump cement in compliance with Commission rules and regulations.

Cementer: Fill in shaded areas
Operator: Fill in other items

Form W-15
Cementing Report
Rev. 4/1/83
HLBRTN1096

RAILROAD COMMISSION OF TEXAS

Oil and Gas Division

1. Operator's Name (As Shown on Form P-5, Organization Report)	2. RRC Operator No.	3. RRC District No.	4. County of Well Site
Quantum Resources Management, LLC			Lea co., NM
5. Field Name (Wildcat or Exactly as Shown on RRC Records)	6. API No.	7. Drilling Permit No.	
Blinberry Oil and Gas (oil) / Wantz, Abio / Drinkard	42-30-025-41061		
8. Lease Name	9. Rule 37 Case No.	10. Oil Lease/Gas ID No.	11. Well Number
Encore "M" State			10

CASING CEMENTING DATA:		SURFACE CASING	INTERMEDIATE CASING	PRODUCTION CASING		MULTI-STAGE CEMENTING PROCESS	
				SINGLE STRING	MULTIPLE PARALLEL STRINGS	TOOL	SHOE
12. Cementing Date							6/4/2013
13. *Drilled Hole Size							7 7/8
*Ext. % Wash or Hole Enlargement							
14. Size of Casing (in. O.D.)							5.5
15. Top of Liner (ft)							
16. Setting Depth (ft)							6865
17. Number of Centralizers Used							
18. Hrs. Waiting on Cement Before Drill-Out							
1st Slurry	19. API Cement Used: No. of Sacks >						100
	Class >						"H"
	Additives >						see remarks
2nd Slurry	No. of Sacks >						625
	Class >						"H"
	Additives >						see remarks
3rd Slurry	No. of Sacks >						
	Class >						
	Additives >						
1st	20. Slurry Pumped: Volume (cu.ft.) >						242
	Height (ft) >						1397
2nd	Volume (cu.ft.) >						825
	Height (ft) >						4762
3rd	Volume (cu.ft.) >						
	Height (ft) >						
	Volume (cu.ft.) >						1067
	Height (ft) >						6159
21. Was Cement Circulated to Ground Surface (or Bottom of Casing) Outside Casing?							no
22. Remarks							
Lead 50/50 "H" 10% gel, 5% salt, 3#gilsonite, 3# phenoseal, 1/4# celloflake, 3/10% CDF-2							
Tail 50/50 "H" 2% gel, 5% salt, 3#gilsonite, 3#phenoseal, 1/4# celloflake, 3/10% CDF-2, 3/10% CR-4							

OVER →

CEMENTING TO PLUG AND ABANDON	PLUG #1	PLUG #2	PLUG #3	PLUG #4	PLUG #5	PLUG #6	PLUG #7	PLUG #8
23. Cementing Date								
24. Size of Hole or Pipe Plugged (in)								
25. Depth to Bottom of Tubing or Drill Pipe (ft)								
26. Sacks of Cement Used (each plug)								
27. Slurry Volume Pumped (cu.ft.)								
28. Calculated Top of Plug (ft)								
29. Measured Top of Plug, If Tagged (ft)								
30. Slurry Wt. (lbs/gal)								
31. Type Cement								

CEMENTERS CERTIFICATE: I declare under penalties prescribed in Sec. 91.143, Texas Natural Resources Code, that I am authorized to make this certification, that the cementing of casing and/or the placing of cement plugs in this well as shown in the report was performed by me or under my supervision, and that the cementing data and facts presented on both sides of this form are true, correct and complete, to the best of my knowledge. This certification covers cementing data only.

Michael Mayfield
Name and Title of Cementer's Representative

TRANS-TEX CEMENTING SERVICES, LLC
Cementing Company

Michael Mayfield
Signature

5019 BASIN ST Midland, Texas 79703
Address City State Zip Code

432-694-4900
Tel: Area Code Number

6/4/13
Date: Mo. Day Yr.

OPERATOR'S CERTIFICATE: I declare under penalties prescribed in Sec. 91.143, Texas Natural Resources Code, that I am authorized to make this certification, that I have knowledge of the well data and information presented in this report, and that data and facts presented on both sides of this form are true, correct, and complete, to the best of my knowledge. This certification covers all well data.

Celeste G. Dale
Typed or Printed Name of Operator's Representative

Sr. Regulatory Analyst
Title

Celeste G. Dale
Signature

4000 N. Big Spring St, Suite #305, Midland, TX
Address City State Zip Code

432-683-1500
Tel: Area Code Number

06/18/13
Date: Mo. Day Yr.

Instruction to Form W-15, Cementing Report

IMPORTANT: Operators and cementing companies must comply with the requirements of the Commission's Statewide rules 8 (Water Protection), 13 (Casing, Cementing, Drilling, and Completion, and 14 (Well Plugging). For offshore operations, see the requirements of Rule 13 (c).

A. What to file. An operator should file an original and one copy of the completed Form W-15 for each cementing company used on a well. The cementing of different casing strings on a well by one cementing company may be reported on one form. Form W-15 should be filed with the following:

- * An initial oil or gas completion report, Form W-2 or G-1, as required by Statewide or special field rules;
- * Form W-4, Application for Multiple Completion, if the well is a multiple parallel casing completion; and
- * Form W-3, Plugging Record, unless the W-3 is signed by the cementing company representative. When reporting dry holes, operators must complete W-15, in addition to Form W-3, to show any casing cemented in the hole.

B. Where to file. The appropriate Commission District Office for the county in which the well is located.

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