

RAILROAD COMMISSION OF TEXAS

Oil and Gas Division

Tracking No.: 78965

Status: Submitted

This facsimile W-2 was generated electronically
from data submitted to the RRC.

API No. **42- 461-38316**

7. RRC District No.

7C

8. RRC Lease No.

Oil Well Potential Test, Completion or Recompletion Report, and Log

1. FIELD NAME (as per RRC Records or Wildcat) SPRABERRY (TREND AREA)		2. LEASE NAME UNIVERSITY 4-22		9. Well No. 2
3. OPERATOR'S NAME (Exactly as shown on Form P-5, Organization Report) HUNT OIL COMPANY		RRC Operator No. 416330		10. County of well site UPTON
4. ADDRESS 1900 NORTH AKARD STREET DALLAS, TX 75201-2300				11. Purpose of filing Initial Potential <input type="checkbox"/> Retest <input type="checkbox"/> Reclass <input type="checkbox"/> Well record only (Explain In remarks) <input checked="" type="checkbox"/>
5. If Operator has changed within last 60 days, name former operator OPAL RESOURCES OPERATING CO, LLC				
6a. Location (Section, Block, and Survey) 22 , 4 , UL , A-U58		6b. Distance and direction to nearest town in this county. 6.7 MILES SOUTHEAST FROM RANKIN		
12. If workover or reclass, give former field (with reservoir) & Gas ID or oil lease no. FIELD & RESERVOIR		GAS ID or OIL LEASE #	Oil-0 Gas-G	Well #
N/A				
13. Type of electric or other log run Combo of Induction/Neutron/Density			14. Completion or recompletion date 12/09/2012	

SECTION I- POTENTIAL TEST DATA IMPORTANT: Test should be for 24 hours unless otherwise specified infield rules.

15. Date of test	16. No. of hours tested	17. Production method (Flowing, Gas Lift, Jetting, Pumping- Size & Type of pump)			18. Choke size
19. Production during Test Period	Oil - BCLS	Gas - MCF	Water - BCLS	Gas - Oil Ratio 0	Flowing Tubing Pressure PSI
20. Calculated 24-Hour Rate	Oil - BCLS	Gas - MCF	Water - BCLS	Oil Gravity-API-60°	Casing Pressure PSI
21. Was swab used during this test? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		22. Oil produced prior to test (New & Reworked wells)			23. Injection Gas-Oil Ratio
REMARKS: N/A					

INSTRUCTIONS: File an original and one copy of the completed FormW-2 in the appropriate RRC District Office within 30 days after completing a well and within 10 days after a potential test. If an operator does not properly report the results of a potential test within the 10-day period, the effective date of the allowable assigned to the well will not extend back more than 10 days before the W-2 was received in the District Office. (Statewide Rules 16 and 51) To report a completion or recompletion, fill in both sides of this form. To report a retest, fill in only the front side.

	<p>WELL TESTERS CERTIFICATION</p> <p>I declare under penalties prescribed in Sec. 91.143, Texas Natural Resources Code, that I conducted or supervised this test by observation of (a) meter readings or (b) the top and bottom gauges of each tank into which production was run during the test. I further certify that the potential test data shown above is true, correct, and complete, to the best of my knowledge.</p>
_____ Signature: Well Tester	_____ Name of Company
	_____ RRC Representative

	<p>OPERATOR'S CERTIFICATION</p> <p>I declare under penalties prescribed in Sec. 91.143, Texas Natural Resources Code, that I am authorized to make this report, that this report was prepared by me or under my supervision and direction, and that data and facts stated therein are true, correct and complete, to the best of my knowledge.</p>
_____ Type or printed name of operator's representative	_____ Title of Person
(432) 684-0612	Blake Baylor
Telephone: Area Code Number Month Day Year	Signature

SECTION III DATA ON WELL COMPLETION AND LOG (Not Required on Retest)									
24. Type of Completion New Well <input checked="" type="checkbox"/> Deepening <input type="checkbox"/> Plug Back <input type="checkbox"/> Other <input type="checkbox"/>					25. Permit to Drill, Plug Back or Deepen DATE 08/27/2012		PERMIT NO. 745954		
26. Notice of Intention to Drill this well was filed in Name of OPAL RESOURCES OPERATING CO.,LLC					Rule 37 Exception		CASE NO.		
27. Number of producing wells on this lease in this field (reservoir) including this well 1		28. Total number of acres in this lease 122.87			Water Injection Permit		PERMIT NO.		
29. Date Plug Back, Deepening, Workover or Drilling Operations: 11/13/2012		Commenced	Completed 12/09/2012	30. Distance to nearest well, Same Lease & Reservoir 0.0		Salt Water Disposal Permit		PERMIT NO.	
29. Date Plug Back, Deepening, Workover or Drilling Operations: 11/13/2012		Commenced	Completed 12/09/2012	30. Distance to nearest well, Same Lease & Reservoir 0.0		Other		PERMIT NO.	
31. Location of well, relative to nearest lease boundaries 467.0 Feet From North Line and 467.0 Feet from West Line of the UNIVERSITY 4-22 Lease									
32. Elevation (DF, RKB, RT, GR ETC.) 2985 GL				33. Was directional survey made other than inclination (Form W-12)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No					
34. Top of Pay 6075	35. Total Depth 10942	36. P. B. Depth	37. Surface Casing Determined by Field Rules <input type="checkbox"/>	Recommendation of T.D.W.R. Railroad Commission (Special) <input checked="" type="checkbox"/>	Dt. of Letter	Dt. of Letter 08/17/2012			
38. Is well multiple completion? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No									
39. If multiple completion, list all reservoir names (completions in this well) and Oil Lease or Gas ID No. FIELD & RESERVOIR N/A					GAS ID or OIL LEASE #	Oil-0 Gas-G	Well #		
40. Intervals Drilled by: Rotary Tools <input checked="" type="checkbox"/> Cable Tools	41. Name of Drilling Contractor FELDERHOFF BROTHERS				42. Is Cementing Affidavit Attached? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				
43. CASING RECORD (Report All Strings Set in Well)									
CASING SIZE	WT #/FT.	DEPTH SET	MULTISTAGE TOOL DEPTH	TYPE & AMOUNT CEMENT (sacks)	HOLE SIZE	TOP OF CEMENT	SLURRY VOL. cu. ft.		
8 5/8	24.0	2057		CLASS C 950	12 1/4	SURFACE	1545.5		
5 1/2	17.0	10942		50/50 H 1970	7 7/8	2400	3714.8		
44. LINER RECORD									
Size	Top	Bottom	Sacks Cement	Screen					
N/A									
45. TUBING RECORD					46. Producing Interval (this completion) Indicate depth of perforation or open hole				
Size	Depth Set	Packer Set	From N/A		To				
N/A			From		To				
			From		To				
			From		To				
47. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.									
Depth Interval				Amount and Kind of Material Used					
N/A									
48. FORMATION RECORD (LIST DEPTHS OF PRINCIPAL GEOLOGICAL MARKERS AND FORMATION TOPS)									
Formations	Depth	Formations	Depth						
	null								
REMARKS: THIS WELL HAS BEEN DRILLED AND CASED. CURRENTLY WAITING ON COMPLETION.									

Cementor: 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) Opal Resources	2. RRC Operator No. 624735	3. RRC District No. 7C	4. County of Well Site Upton
5. Field Name (Wildcat or Exactly as Shown on RRC Records) SPRAYBERRY (TREND AREA)	6. API No. 42-461-38316	7. Drilling Permit No. 745954	
8. Lease Name University 4-22	9. Rule 37 Case No.	10. Oil Lease/Gas ID No.	11. Well No. 2

CASING CEMENTING DATA:	SURFACE CASING	INTER-MEDIATE CASING	PRODUCTION CASING		MULTI-CEMENTING
			Single String	Multiple Parallel Strings	Tool
12. Cementing Date	11/15/2012				
13. *Drilled hole size	12 1/4				
*Est. % wash or hole enlargement					
14. Size of casing (In. O.D.)	8 5/8				
15. Top of liner (ft)					
16. Setting depth (ft)	2057				
17. Number of centralizers used	18				
18. Hrs. waiting on cement before drill-out	4				
19. API cement used: No. of sacks ▶	600				
	Class ▶ 65/35 'C'				
	Additives ▶	Remarks			
No. of sacks ▶	350				
	Class ▶ Class 'C'				
	Additives ▶	Remarks			
20. Slurry pumped: Volume (cu.ft.) ▶	1080				
	Height (ft.) ▶	2617			
	Volume (cu.ft.) ▶	465.5			
Height (ft.) ▶	1128				
Volume (cu.ft.) ▶					
	Height (ft.) ▶				
Volume (cu.ft.) ▶	1545.5				
	Height (ft.) ▶	3745			
21. Was cement circulated to ground surface (or bottom of cellar) outside casing?	YES				
22. Remarks: 600 sx 65/35 'C' + 6% Gel + 3% Salt 350 sx Class 'C' + 1% CaCl2 Circulated 10 bbls (31 sx) to Surface					Ticket # MIT 12111293 Customer Name Opal Resources Lease University 4-22 Well Number Upton 2

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 lagged (ft.)								
30. Slurry Wt. (lbs/gal)								
31. Type cement								

CEMENTER'S 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 Barrett, Service Supervisor
 Name and Title of Cementer's Representative
 Allied Oil & Gas Services LLC
 Cementing Company
 Signature: *[Signature]*
 3952 E 42nd St Ste VV5 Odessa TX 79762 432-614-9392 11/15/2012
 Address City State Zip Code Tel: Area Code Number 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.

Gerald B. Love SR. V.P. Operations & Drilling
 Typed or Printed Name of Operator's Representative Title
 Signature: *[Signature]*
 7600 W. Tidwell, Ste. 500 Houston TX 77040 832-667-4127 6-26-13
 Address City State Zip Code Tel: Area Code Number 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 *Form 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 application, 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 13 (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 out 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 1,000 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.

[Signature]

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) Opal Resources	2. RRC Operator No. 624735	3. RRC District No. 7C	4. County of Well Site Upton
5. Field Name (Wildcat or Exactly as Shown on RRC Records) SPRAYBERRY (TREND AREA)	6. API No. 42-461-38316	7. Drilling Permit No. 745954	
8. Lease Name University 4-22	9. Rule 37 Case No.	10. Oil Lease/Gas ID No.	11. Well No. 2

	CASING CEMENTING DATA:	SURFACE CASING	INTER-MEDIATE CASING	PRODUCTION CASING		MULTI-STAGE CEMENTING PROCESS	
				Single String	Multiple Parallel Strings	Tool	Shoe
12.	Cementing Date			12/9/2012			
13.	*Drilled hole size			7 7/8			
	*Est. % wash or hole enlargement						
14.	Size of casing (in. O.D.)			5 1/2			
15.	Top of liner (ft)						
16.	Setting depth (ft)			10,942			
17.	Number of centralizers used						
18.	Hrs. waiting on cement before drill-out						
1st Slurry	19. API cement used; No. of sacks ▶			1060			
	Class ▶			50/50 'H'			
	Additives ▶			Remarks			
2nd Slurry	No. of sacks ▶			910			
	Class ▶			50/50 'H'			
	Additives ▶			Remarks			
3rd Slurry	No. of sacks ▶						
	Class ▶						
	Additives ▶						
1st	20. Slurry pumped: Volume (cu.ft.) ▶			2586.4			
	Height (ft.) ▶			14931			
2nd	Volume (cu.ft.) ▶			1128.4			
	Height (ft.) ▶			6514			
3rd	Volume (cu.ft.) ▶						
	Height (ft.) ▶						
Total	Volume (cu.ft.) ▶			3714.8			
	Height (ft.) ▶			21445			
21.	Was cement circulated to ground surface (or bottom of cellar) outside casing?			No			
22.	Remarks						
	1060 sks 50/50 'H' + 10% Gel + 8#/sk Salt + 0.3% NAMS + 4#/sk Kalseal + 0.5% CR20 + 1/4#/sk FLSL + 1/4#/sk PDEF						
	910 sks 50/50 'H' + 2% Gel + 0.5% FL25 + 0.3% CR20 + 4#/sk Kalseal + 1/4#/sk FLSL + 1/4#/sk PDEF						
					Ticket #	MIT12120874	
					Customer Name	Opal Resources	
					Lease	University 4-22 #2	
					Well Number	2	
					Midland	County	

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								

CEMENTER'S 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 Barrett, Service Supervisor
 Name and Title of Cemente's Representative
 Allied Oil & Gas Services, LLC
 Cementing Company
 Signature: *[Handwritten Signature]*
 8711 W. CR. 127 Midland TX 79706 432-563-4440 12/9/2012
 Address City State Zip Code Tel: Area Code Number 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.

Gerald B. Long S.P. U.P. Operations & Drilling
 Typed or Printed Name of Operator's Representative Title
 Signature: *[Handwritten Signature]*
 7600 W. Tidwell, Houston TX 77040 832-667-4127 6 26 13
 Address City, State, Zip Code Tel: Area Code Number 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 (e).

- 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 *Form 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 application, 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 13 (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 1,000 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.

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 7C
1. FIELD NAME (as per RRC Records or Wildcat) SPRAYBERRY (TREND AREA)	2. LEASE NAME University 4-22	7. RRC Lease Number. (Oil completions only)
3. OPERATOR Opal Resources		8. Well Number 2
4. ADDRESS 7600 W. TIDWELL SUITE 500 HOUSTON, TX 77040		9. RRC Identification Number (Gas completions only)
5. LOCATION (Section, Block, and Survey) SEC. 22 BLK 4 UNIVERSITY LANDS SURVEY		10. County UPTON

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)
354	354	1.30	2.27	8.03	8.03
676	322	1.70	2.97	9.55	17.58
924	248	1.40	2.44	6.06	23.64
1389	465	1.10	1.92	8.93	32.57
1642	253	1.00	1.75	4.42	36.99
1896	254	1.20	2.09	5.32	42.30
2011	115	1.00	1.75	2.01	44.31
2100	89	0.20	0.35	0.31	44.62
2292	192	0.70	1.22	2.35	46.97
2610	318	0.40	0.70	2.22	49.19
2895	285	0.90	1.57	4.48	53.66
3200	305	0.60	1.05	3.19	56.86
3500	300	0.10	0.17	0.52	57.38
3841	341	0.60	1.05	3.57	60.95
4190	349	0.20	0.35	1.22	62.17

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 10667 feet = 167.23 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 467 feet.
21. Minimum distance to lease line as prescribed by field rules 467 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><i>[Signature]</i> 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 information data as indicated by asterisks (*) by the item numbers on this form.</p> <p><i>[Signature]</i> Signature of Authorized Representative Gerald B. Long, Sr. V.P. Ops + Drilling Name of Person and Title (type or print) Opal Resources Operating Co. LLC Operator Telephone: 832-667-4127 Area Code</p>
---	--

Railroad Commission Use Only:

Approved By: _____ Title: _____ Date: _____

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

RECORD OF INCLINATION (Continued from reverse side)

*11. Measured Depth (feet)	12. Course Length (Hundreds of feet)	*13. Angle of Inclination (Degrees)	14. Displacement per Hundred Feet (Sine of Angle x100)	15. Course Displacement (feet)	16. Accumulative Displacement (feet)
4539	349	0.50	0.87	3.05	65.22
4825	286	0.00	0.00	0.00	65.22
5237	412	0.50	0.87	3.60	68.81
5649	412	1.30	2.27	9.35	78.16
5965	316	1.00	1.75	5.51	83.67
6028	63	0.90	1.57	0.99	84.66
6092	64	1.30	2.27	1.45	86.12
6155	63	1.40	2.44	1.54	87.66
6219	64	1.30	2.27	1.45	89.11
6282	63	1.60	2.79	1.76	90.87
6346	64	1.70	2.97	1.90	92.76
6409	63	0.60	1.05	0.66	93.42
6472	63	0.80	1.40	0.88	94.30
6536	64	1.40	2.44	1.56	95.87
6599	63	1.40	2.44	1.54	97.41
6662	63	0.70	1.22	0.77	98.18
6726	64	0.80	1.40	0.89	99.07
6790	64	0.85	1.40	0.89	99.96
6854	64	0.50	0.87	0.56	100.52
6918	64	0.60	1.05	0.67	101.19
7012	94	0.60	1.05	0.98	102.18
7108	96	0.80	1.40	1.34	103.52
7203	95	1.00	1.75	1.66	105.18
7266	63	1.50	2.62	1.65	106.82
7298	32	1.60	2.79	0.89	107.72
7362	64	1.00	1.75	1.12	108.83
7393	31	1.00	1.75	0.54	109.38
7520	127	1.30	2.27	2.88	112.26
7610	90	1.30	2.27	2.04	114.30
7706	96	0.90	1.57	1.51	115.81
7838	132	1.10	1.92	2.53	118.34
7965	127	1.00	1.75	2.22	120.56
8086	121	1.20	2.09	2.53	123.09
8244	158	0.90	1.57	2.48	125.57
8663	419	1.25	2.18	9.14	134.71
8853	190	0.90	1.57	2.98	137.70
9156	303	0.90	1.57	4.76	142.46

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.

Tracking No.: 78965

This facsimile L-1 was generated electronically from data submitted to the RRC.

Instructions

When to File Form L-1:

- with Forms G-1, W-2, and GT-1 for new and deepened gas, oil, and geothermal wells
- with Form W-3 for plugged dry holes
- when sending in a log which was held under a request for confidentiality and the period for confidentiality has not yet expired.

When is Form L-1 NOT required:

- with Forms W-2, G-1, and GT-1 filed for injection wells, disposal wells, water supply wells, service wells, re-test wells, re-classifications, and plugbacks of oil, gas or geothermal wells
- with Form W-3 for plugging of other than a dry hole

Where to File Form L-1:

- with the appropriate Commission district office

Filling out Form L-1:

- Section I and the signature section must be filled out for all wells
- complete only the appropriate part of Section II

Type of log required:

- any wireline survey run for the purpose of obtaining lithology, porosity, or resistivity information
- no more than one such log is required but it must be of the subject well
- if such log is NOT run on the subject well, do NOT substitute any other type of log; just select Section II, Part A below

SECTION I. IDENTIFICATION

Operator Name: HUNT OIL COMPANY	District No. 7C	Completion Date: 12/09/2012
Field Name SPRABERRY (TREND AREA)	Drilling Permit No. 745954	
Lease Name UNIVERSITY 4-22	Lease/ID No.	Well No. 2
County UPTON	API No. 42- 461-38316	

SECTION II. LOG STATUS (Complete either A or B)

A. BASIC ELECTRIC LOG NOT RUN

B. BASIC ELECTRIC LOG RUN. (Select one)

- 1. Confidentiality is requested and a copy of the header for each log that has been run on the well is attached.
- 2. Confidentiality already granted on basic electric log covering this interval (applicable to deepened wells only).
- 3. Basic electric log covering this interval already on file with Commission (applicable to deepened wells only).
- 4. Log attached to (select one):
 - (a) Form L-1 (this form). If the company/lease name on log is different from that shown in Section I, please enter name on log here: OPAL RESOURCES OPERATING CO, LLC
 Check here if attached log is being submitted after being held confidential.
 - (b) Form P-7, Application for Discovery Allowable and New Field Designation.
 - (c) Form W-4, Application for Multiple Completion:
 Lease or ID No(s). _____
 Well No(s). _____

Blake Baylor
 Signature
HUNT OIL COMPANY
 Name (print)

 Title
(432) 684-0612 07/03/2013
 Phone Date

-FOR RAILROAD COMMISSION USE ONLY-



COMPENSATED Z-DENSILOGSM
COMPENSATED NEUTRON LOG
DIGITAL SPECTRALOG[®]
GAMMA RAY LOG

Baker Atlas

FILE NO: MD10089	COMPANY WELL	OPAL RESOURCES OPERATING CO., LLC UNIVERSITY 4-22 #2
API NO: 42-461-38316	FIELD COUNTY	SPRABERRY (TREND AREA) UPTON STATE TEXAS
Ver. 3.87 FINAL PRINT	LOCATION: 457' FWL & 457' FNL SECTION 22, BLOCK 4 SURVEY: UL	A-058 OTHER SERVICES HDIL DIR. SURVEY
PERMANENT DATUM LOG MEASURED FROM DRILL MEAS. FROM	GL _____ ELEVATION 2985 FT KB _____ 15 FT ABOVE P.D. KELLY BUSHING	ELEVATIONS: KB 3000 FT DF 2989 FT GL 2985 FT

DATE	26-NOV-2012	
RUN	TRIP	1 1
SERVICE ORDER	623472	
DEPTH DRILLER	10842 FT	
DEPTH LOGGER	10841 FT	
BOTTOM LOGGED INTERVAL	10886 FT	
TOP LOGGED INTERVAL	200 FT	
CASING DRILLER	8.625 IN	2053 FT
CASING LOGGER	2056 FT	
BIT SIZE	7.875 IN	
TYPE OF FLUID IN HOLE	FRESH	
DENSITY	9 LB/G	37 S
PH	10	40 C3
SOURCE OF SAMPLE	CIRCULATION TANK	
RM AT MEAS. TEMP.	.12 OHMM	73 DEGF
RMF AT MEAS. TEMP.	.08 OHMM	73 DEGF
RMC AT MEAS. TEMP.	.15 OHMM	73 DEGF
SOURCE OF RMF	RMC	CALCULATED
RM AT BHT	.125 OHMM	163 DEGF
TIME SINCE CIRCULATION	18 HOURS	
MAX. RECORDED TEMP.	163 DEGF	
EQUIP. NO.	LOCATION	HL6672 MIDLAND
RECORDED BY	B. TELLER	
WITNESSED BY	F. SPANN	

IN MAKING INTERPRETATIONS OF LOGS OUR EMPLOYEES WILL GIVE CUSTOMER THE BENEFIT OF THEIR BEST JUDGEMENT. BUT SINCE ALL INTERPRETATIONS ARE OPINIONS BASED ON INFERENCES FROM ELECTRICAL OR OTHER MEASUREMENTS, WE CANNOT, AND WE DO NOT GUARANTEE THE ACCURACY OR CORRECTNESS OF ANY INTERPRETATION. WE SHALL NOT BE LIABLE OR RESPONSIBLE FOR ANY LOSS, COST, DAMAGES, OR EXPENSES WHATSOEVER INCURRED OR SUSTAINED BY THE CUSTOMER RESULTING FROM ANY INTERPRETATION MADE BY ANY OF OUR EMPLOYEES.

BOREHOLE RECORD				CASING RECORD			
BIT SIZE	FROM	TO	SIZE	WEIGHT	GRADE	FROM	TO
11 IN	0 FT	2053 FT	8.625 IN	24 LB/F		0 FT	2053 FT
7.875 IN	2053 FT	10842 FT	5.5 IN	17 LB/F		0 FT	10842 FT

RUN 1 TRIP 1 : MACI: 56989 PPM CL: 34644 PPM		REMARKS BOREHOLE & CEMENT VOLUMES PRESENTED (TOTAL VOLUME LESS 5.5 CSG.) 1 SMALL TICK = 10 CU. FT. 1 MEDIUM TICK = 100 CU. FT. 1 LARGE TICK = 1000 CU. FT. PORZC & CMC RECORDED ON A LIMESTONE MATRIX CMC IS CASING AND CALIPER CORRECTED CREW: J. LOYA / M. FIERRO / E. BOU RIG: FELDERHOFF 2
REMARKS		



Baker Atlas

FILE NO: MD10089	COMPANY WELL	OPAL RESOURCES OPERATING CO., LLC	
API NO: 42-461-38316	FIELD COUNTY	UNIVERSITY 4-22 #2 SPRABERRY (TREND AREA) UPTON STATE TEXAS	
Ver. 3.87 FINAL PRINT	LOCATION: 457' FWL & 457' FNL SECTION 22, BLOCK 4 SURVEY: UL	A-U58	OTHER SERVICES ZDL/CN/DSL/GR DIR. SURVEY
PERMANENT DATUM LOG MEASURED FROM DRILL MEAS. FROM	GL _____ ELEVATION 2985 FT KB _____ 15 FT ABOVE P.D. KELLY BUSHING		ELEVATIONS: KB 3000 FT DF 2989 FT GL 2985 FT

DATE	26-NOV-2012	
RUN	TRIP	1 1
SERVICE ORDER	623472	
DEPTH DRILLER	10842 FT	
DEPTH LOGGER	10841 FT	
BOTTOM LOGGED INTERVAL	10833 FT	
TOP LOGGED INTERVAL	4500 FT	
CASING DRILLER	8.625 IN	2053 FT
CASING LOGGER	NOT LOGGED	
BIT SIZE	7.875 IN	
TYPE OF FLUID IN HOLE	FRESH	
DENSITY	9 LB/G	37 S
PH	10	40 C3
SOURCE OF SAMPLE	CIRCULATION TANK	
RM AT MEAS. TEMP.	.12 OHMM	73 DEGF
RMF AT MEAS. TEMP.	.08 OHMM	73 DEGF
RMC AT MEAS. TEMP.	.15 OHMM	73 DEGF
SOURCE OF RMF	RMC	CALCULATED
RM AT BHT	.125 OHMM	163 DEGF
TIME SINCE CIRCULATION	18 HOURS	
MAX. RECORDED TEMP.	163 DEGF	
EQUIP. NO.	LOCATION	HL6672 MIDLAND
RECORDED BY	B. TELLER	
WITNESSED BY	F. SPANN	

IN MAKING INTERPRETATIONS OF LOGS OUR EMPLOYEES WILL GIVE CUSTOMER THE BENEFIT OF THEIR BEST JUDGEMENT. BUT SINCE ALL INTERPRETATIONS ARE OPINIONS BASED ON INFERENCES FROM ELECTRICAL OR OTHER MEASUREMENTS, WE CANNOT, AND WE DO NOT GUARANTEE THE ACCURACY OR CORRECTNESS OF ANY INTERPRETATION. WE SHALL NOT BE LIABLE OR RESPONSIBLE FOR ANY LOSS, COST, DAMAGES, OR EXPENSES WHATSOEVER INCURRED OR SUSTAINED BY THE CUSTOMER RESULTING FROM ANY INTERPRETATION MADE BY ANY OF OUR EMPLOYEES.

BIT SIZE	FROM	TO
11 IN	0 FT	2053 FT
7.875 IN	2053 FT	10842 FT

SIZE	WEIGHT	GRADE	FROM	TO
8.625 IN	24 LB/F		0 FT	2053 FT
5.5 IN	17 LB/F		0 FT	10842 FT

REMARKS

RUN 1 TRIP 1: MACI: 56989 PPM
CL: 34644 PPM
CREW: J. LOYA / M. FIERRO / E. BOU
RIG: FELDERHOFF 2

RUN	TRIP	TOOL	SERIES NO.	SERIAL NO.	POSITION
1	1	TIRM	3881XA	12082300	FREE
1	1	COMA. BMT.	35143B	Z11681B	FREE

**CERTIFICATE OF COMPLIANCE
 AND TRANSPORTATION AUTHORITY**

This facsimile P-4 was generated electronically from data submitted to the RRC.
 A certification of the automated data is available in the RRC's Austin office.

Tracking No.: 78965

1. Field name exactly as shown on proration schedule SPRABERRY (TREND AREA)		2. Lease name as shown on proration schedule UNIVERSITY 4-22					
3. Current operator name exactly as shown on P-5 Organization Report HUNT OIL COMPANY		4. Operator P-5 no. 416330	5. Oil Lse/Gas ID no	6. County UPTON	7. RRC district 7C		
8. Operator address including city, state, and zip code 1900 NORTH AKARD STREET DALLAS, TX 75201-2300		9. Well no(s) (see instruction E) 2					
12. Purpose of Filing. (Complete section a or b below.) (See instructions B and G) a. Change of: <input type="checkbox"/> operator <input type="checkbox"/> oil or condensate gatherer <input type="checkbox"/> gas gatherer <input type="checkbox"/> gas purchaser <input type="checkbox"/> gas purchaser system code <input type="checkbox"/> field name from _____ <input type="checkbox"/> lease name from _____ --- OR --- b. New RRC Number for: <input checked="" type="checkbox"/> oil lease <input type="checkbox"/> gas well Due to: <input type="checkbox"/> new completion or recompletion <input type="checkbox"/> reclass oil to gas <input type="checkbox"/> reclass gas to oil <input type="checkbox"/> other well (specify) _____ <input type="checkbox"/> consolidation, unitization, or subdivision (oil lease only)		10. Classification <input checked="" type="checkbox"/> Oil <input type="checkbox"/> Gas <input type="checkbox"/> Other (see instruction A)			11. Effective Date 12/09/2012		
13. Authorized GAS WELL GAS or CASINGHEAD GAS Gatherer(s) and/or Purchaser(s). (See instruction G).							
Gatherer	Purchaser	Name of GAS WELL GAS or CASINGHEAD GAS Gatherer(s) or Purchaser(s) As Indicated in Columns to the Left (Attach an additional sheet in same format if more space is needed)			Purchaser's RRC Assigned System Code	Percent of Take	Full-well stream
14. Authorized OIL or CONDENSATE Gatherer(s). (See instruction G).							
Name of OIL or CONDENSATE Gatherer(s) - List Highest Volume Gatherer First (Attach an additional sheet in same format if more space is needed)							Percent of Take
N/A							
RRC USE ONLY: Reviewer's initials: _____ Approval date: _____							
15. PREVIOUS OPERATOR CERTIFICATION FOR CHANGE OF OPERATOR P-4 FILING. Being the PREVIOUS OPERATOR, I certify that operating responsibility for the well(s) designated in this filing, located on the subject lease has been transferred in its entirety to the above named Current Operator. I understand, as Previous Operator, that designation of the above named operator as Current Operator is not effective until this certificate is approved by the Commission.							
Name of Previous Operator				Signature			
Name (print)				<input type="checkbox"/> Authorized Employee of previous operator		<input type="checkbox"/> Authorized agent of previous operator (see instruction G)	
Title				Date		Phone with area code	
16. CURRENT OPERATOR CERTIFICATION. By signing this certificate as the Current Operator, I certify that all statements on this form are true and correct and I acknowledge responsibility for the regulatory compliance of the subject lease including plugging of well(s) pursuant to Rule 14. I further acknowledge that I assume responsibility for the physical operation, control, and proper plugging of each well designated in this filing. I also acknowledge that I will remain designated as the Current Operator until a new certificate designating a new Current Operator is approved by the Commission.							
Name (print) HUNT OIL COMPANY				Signature Blake Baylor			
Title BBAYLOR@HUNTOIL.COM				<input checked="" type="checkbox"/> Authorized Employee of current operator		<input type="checkbox"/> Authorized agent of current operator (see instruction G)	
E-mail Address (optional)				Date 07/03/2013		Phone with area code (432) 684-0612	

APPLICATION FOR ALTERNATE SURFACE CASING PROGRAM
Statewide Rule 13(b)(2)(g)
RRC District 8/8A

7493

Operator's Name and Address: Opal Resources Operating Co., LLC 952 Echo Lane, Suite 200 Houston, TX 77024	Lease: UNIVERSITY 4-22	Well No.: 2
	Field: BLOCK 4 (Devonian)	
	Drilling Permit No.: 745954	
	County: UPTON	RRC District: 7C
	Location: Block 4, Section 22, University Land A-U58	
Proposed TD: 13,000		

Distance and Direction from nearest town: 6.7 miles SE of Rankin, TX

Proposed Injection or disposal well? Yes No NOTE: Special conditions may apply. See PROVISIONS below.

Usable-quality water strata (as determined by TCEQ "Waterboard" letter) occur to a depth of 775 ft, and from _____ ft to _____ ft, and from _____ ft to _____ ft.

Note: Please submit copy of TCEQ "Waterboard" letter with this request. Request cannot be processed without this information.

Distance and direction of nearest water well (within ¼ mile): None

Type of water well (domestic, public, irrigation, stock, etc.): _____ Depth: _____

Proposed Casing and Cementing Program

Note: You may attach a wellbore diagram or cementing proposal to this application.

This application is for (check applicable boxes): Short surface casing Excess surface casing No surface casing

The proposed surface casing depth: 2000' Multi-Stage tool depth (if applicable): None

Intermediate or production casing depth: 12,250' Multi-Stage tool depth (if applicable): 6,000'

Centralizer number and placement: Approximately every 100' to surface

Does the cement across the critical zone have 72-hr compressive strength of at least 1,200 psi? Yes No

Does the filler cement have 24-hr compressive strength of at least 250 psi? Yes No

Do you plan on circulating cement to the surface on all casing strings protecting usable-quality water? Yes No

Reason for this request: Prevention of waste; better cement job across Sand Andres to protect production casing From corrosion

PROVISIONS APPLICABLE TO RULE 13 EXCEPTIONS:

- Caution: If this well is being drilled for Injection or disposal purposes, an injection or disposal well permit may be denied unless surface casing is set and cemented through all zones of usable-quality groundwater.
- Centralizers must be used through all usable-quality waters. Refer to Rule 13(b)(2)(F).
- Notify District Office 8 hours prior to setting casing.

Signature: Gerald B. Long Print Name: Gerald B. Long Date: 8/17/12 Phone: 713.647.7300

IF CEMENT IS NOT CIRCULATED TO THE GROUND SURFACE AS REQUIRED BY THIS EXCEPTION, YOU MUST IMMEDIATELY CONTACT THE DISTRICT 8/8A OFFICE AT 432-684-5581, AND FOLLOW THE PROCEDURES AS SET OUT IN RULE 13(B)(2)(g)(III) OR AS RECOMMENDED BY THE DISTRICT OFFICE.

RRC Use Only ▶

RRC District Office Action:	
<input checked="" type="checkbox"/> Approved	<input type="checkbox"/> Approved as Modified <input type="checkbox"/> Denied
By: <u>BARRY WOOD</u>	Date: <u>8/17/12</u>
Remarks/Modifications: _____	

**Groundwater
Advisory Unit**

GROUNDWATER PROTECTION DETERMINATION

Date

GAU File No.: SC-

API Number

Attention:

RRC Lease No.

[SC_624735_46100000_000000_9405.pdf](#)

OPAL RESOURCE OPERATING CO LLC
952 ECHO LN
STE 200
HOUSTON TX 77024

P-5# 624735

--Measured--

467 ft FWL

467 ft FNL

MRL: SECTION

Digital Map Location:

X-coord/Long	<input type="text" value="1824964"/>		
Y-coord/Lat	<input type="text" value="10393216"/>		
Datum	<input type="text" value="83"/>	Zone	<input type="text" value="C"/>

County

Lease & Well No.

Purpose

Location

To protect usable-quality groundwater at this location, the Groundwater Advisory Unit of the Texas Railroad Commission recommends:

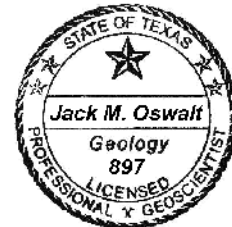
The interval from the land surface to a depth of 775 feet must be protected.

Note: Unless stated otherwise, this recommendation is intended to apply only to the subject well and not for area-wide use. **This recommendation is intended for normal drilling, production, and plugging operations only. It does not apply to saltwater disposal operation into a nonproductive zone (RRC Form W-14).**

If you have any questions, please contact us at 512-463-2741, gau@rrc.state.tx.us, or by mail.

Sincerely,

GEOLOGIST SEAL



Geologist, Groundwater Advisory Unit
Oil & Gas Division

The seal appearing on this document was authorized by Jack M. Oswalt on 8/17/2012
Note: Alteration of this electronic document will invalidate the digital signature.