

(P)

not counted  
for

RAILROAD COMMISSION OF TEXAS  
OIL AND GAS DIVISION

allow

Form G-1  
Rev. 7/5/66

### GAS WELL BACK PRESSURE TEST COMPLETION OR RECOMPLETION REPORT AND LOG

1. FIELD NAME (Type R.R.C. Records or Wildcat)		2. LEASE NAME		7. R.R.C. District
Beall (Devonian)		7276 JV-S Wedge Gas Unit		8
3. OPERATOR				9. R.R.C. District Number
B. T. A. Oil Producers				63059
4. ADDRESS				10. County
104 S. Pecos, Midland, Texas 79701				Ward
5. If Operator has changed within last 90 Days -- Give former Operator				11. Purpose of Test
				Initial Potential <input checked="" type="checkbox"/>
6. LOCATION (Section, Block, and Survey)				Recess <input type="checkbox"/>
Sec. 22 & 24, Blk. 16, ULS				Recess <input type="checkbox"/>
12. Pipe Line Connection		13. If Workover, give former Field (with Reservoir)		14. Completion Date
LoVac Gathering Company				7-12-1975
15. List of Offset Operators Notified and Date of Notification		16. Type of Electric or other Log Run		
		Gamma-Ray-Sonic		

#### Section I

#### GAS MEASUREMENT DATA

Date of Test		Gas Measurement Method (Check One)						Gas produced during test		
7-12-1975		Orifice Meter <input checked="" type="checkbox"/>	Positive Choke <input type="checkbox"/>	Orifice Vent Meter <input type="checkbox"/>	Pilot Tube <input type="checkbox"/>	Orifice-Flow Prover <input type="checkbox"/>	2971 MCF			
Run No.	Line Size	Orifice or Choke Size	24 Hr. Coeff. Orifice Choke	Static P <sub>m</sub> or Choke Press	Diff. h <sub>w</sub>	Flow Temp °F	Temp. Factor F <sub>t</sub>	Gravity Factor F <sub>g</sub>	Compress Factor F <sub>c</sub>	Volume MCF/DAY
	4"	2"	26235.75	843.2	9"	90	.9223	.9918	1.066	2,228
	4"	2"	26235.75	853.2	30"	75	.9859	.9918	1.075	4,412
	4"	3"	68380.82	853.2	18"	57	1.0029	.9918	1.093	9,212
	4"	3"	68380.82	883.2	47"	54	1.0058	.9918	1.093	15,190

#### Section II

#### FIELD DATA AND PRESSURE CALCULATIONS

Gravity - Dry Gas	Gravity - Liquid Hydrocarbon	Gas-Liquid Hyd. Ratio	Gravity of Mixture	Avg. Rhul-In Temp	Bottom Hole Temp				
.6093	.49 @ 60 Deg. API	660,000 CF/BBL	C <sub>mix</sub>	68 °F	242°F @ 10,934 (Depth)				
D <sub>eff</sub> = 1118 * (D <sub>eff</sub> ) <sup>8/3</sup> / C <sub>GL</sub>									
C = 1118 * (D <sub>eff</sub> ) <sup>8/3</sup> / C <sub>GL</sub>									
Run No.	Time of Run Min.	Choke Size	Wellhead Press P <sub>w</sub> PSIA	Wellhead Flow Temp. °F	P <sub>2</sub> (Thousands)	R	R <sup>2</sup> (Thousands)	P <sub>1</sub>	P <sub>w</sub> /P <sub>1</sub>
Shut-in			3191						
1	120 min	12/64	3124.2	76					
2	120 min	16/64	2985.2	78					
3	180 min	23/64	2748.2	79					
4	120 min	29/64	2296.2	79					
Run No.	P	K	5 + 1/E	g <sub>ls</sub>	P <sub>1</sub> and P <sub>2</sub>	P <sub>2</sub> <sup>2</sup> and P <sub>1</sub> <sup>2</sup>	P <sub>2</sub> <sup>2</sup> - P <sub>1</sub> <sup>2</sup>	Angle of Slope	
Shut-in					4223.2	17835		49°	
Bottom Hole Pressure					4149.2	17216	619	.869	
Measured with Amerada					4056.2	16453	1382	Absolute Open Flow	
Instrument No. 35116					3840.2	14747	3088	39,100 MCF/DAY	
5500# Element					3462.2	11987	5848		

#### OPEN FLOW TEST:

Shut-In Press	3191	Psig	
Time Shut-In	72	Hrs.	
Producing Through	Tubing		
In. H <sub>2</sub> O	In. Hg.	Psig	
Time	Reading	Time	Reading
.5		25	
20		30	

*Bill J. Lyle*  
REPRESENTATIVE OF COMPANY MAKING TEST  
1975  
REPRESENTATIVE OF RAILROAD COMMISSION MIDLAND, TEXAS  
CERTIFICATE:  
I declare under penalties prescribed in Article 6036c, R.C.S., 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.  
Bob Newland  
Regulatory Supervisor  
7/12/75  
DATE

Page 2 of 2  
7-12-1975  
Beall (Devonian)  
7276 JV-S Wedge Gas Unit  
B. T. A. Oil Producers  
104 S. Pecos, Midland, Texas 79701  
LoVac Gathering Company  
Gamma-Ray-Sonic  
7-12-1975

## SECTION III

## DATA ON WELL COMPLETION AND LOG (Not Required on Retest)

17. Type of Completion: New Well <input checked="" type="checkbox"/> Deepening <input type="checkbox"/> Plug Back <input type="checkbox"/> Other <input type="checkbox"/>		18. Date Permit Issued 2/24/75	
19. Notice of Intention to Drill this Well was filed in Name of <b>BTA OIL PRODUCERS</b>		20. If Special Permit, Give Permit Number - - -	
21. Number of Producing Wells on this Lease in This Field (Reservoir) including this Well 1		22. Total Number of Acres in this Lease 673.6	
23. Date Plug Back, Deepening, Work Over or Drilling Operations: Commenced 11/23/74 Completed 5/6/75		24. Distance to Nearest Well, Same Lease & Reservoir - - -	
25. Location of Well, Relative to Lease Boundaries of Lease on which this Well is Located 660' SW Line of Sec. 22, Blk 16, T15S		26. Foot From Line And 1051' Foot From Lease	
27. Elevation (DP, RKB, RT, OR, ETC.) 2606' G.L.		28. Was Directional Survey Made Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
29. Top of Pay 12,313'	30. Total Depth 12,714'	31. P.B. Depth 12,590'	32. Surface Casing Determined By: Recommendation of Texas Water Development Board <input checked="" type="checkbox"/> Field Rules <input type="checkbox"/> Railroad Commission (Special) <input type="checkbox"/>
33. Is Well Multiple Completion? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> 33. If Multiple Completion List All Reservoir Names - - -		34. Intervals Drilled By: Rotary Tools 0-12,714' Cable Tools - - -	
35. Name of Drilling Contractor Rowan Drilling Company		36. Is Cementing Affidavit Attached? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	

CASING RECORD (Report All Strings Set in Well)					
Casing Size	Weight LB. FT.	Depth Set	Hole Size	Cementing Record	Amount Pulled
13-3/8"	61 & 68E	2,901'	17-1/2"	1900 SX CICK	none
9-5/8"	47E	9,977'	12-1/4"	2100 SX	none

LINER RECORD				
Size	Top	Bottom	Sacks Cement	Screen
7-5/8"	9,586'	11,299'	550 SX	
5"	10,894'	12,713'	280 SX	

TUBING RECORD				35. Producing Interval (this completion) indicate Depth of Perforations or Open Hole	
Size	Depth Set	Packer Set	From	To	To
3-1/2"	10,984'	10,851'	From 12,313'	To 12,555'	
			From	To	
			From	To	

ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.		
Depth Interval	Amount and Kind of Material Used	
12,313' - 12,555'	20,000gals. 15% NED	

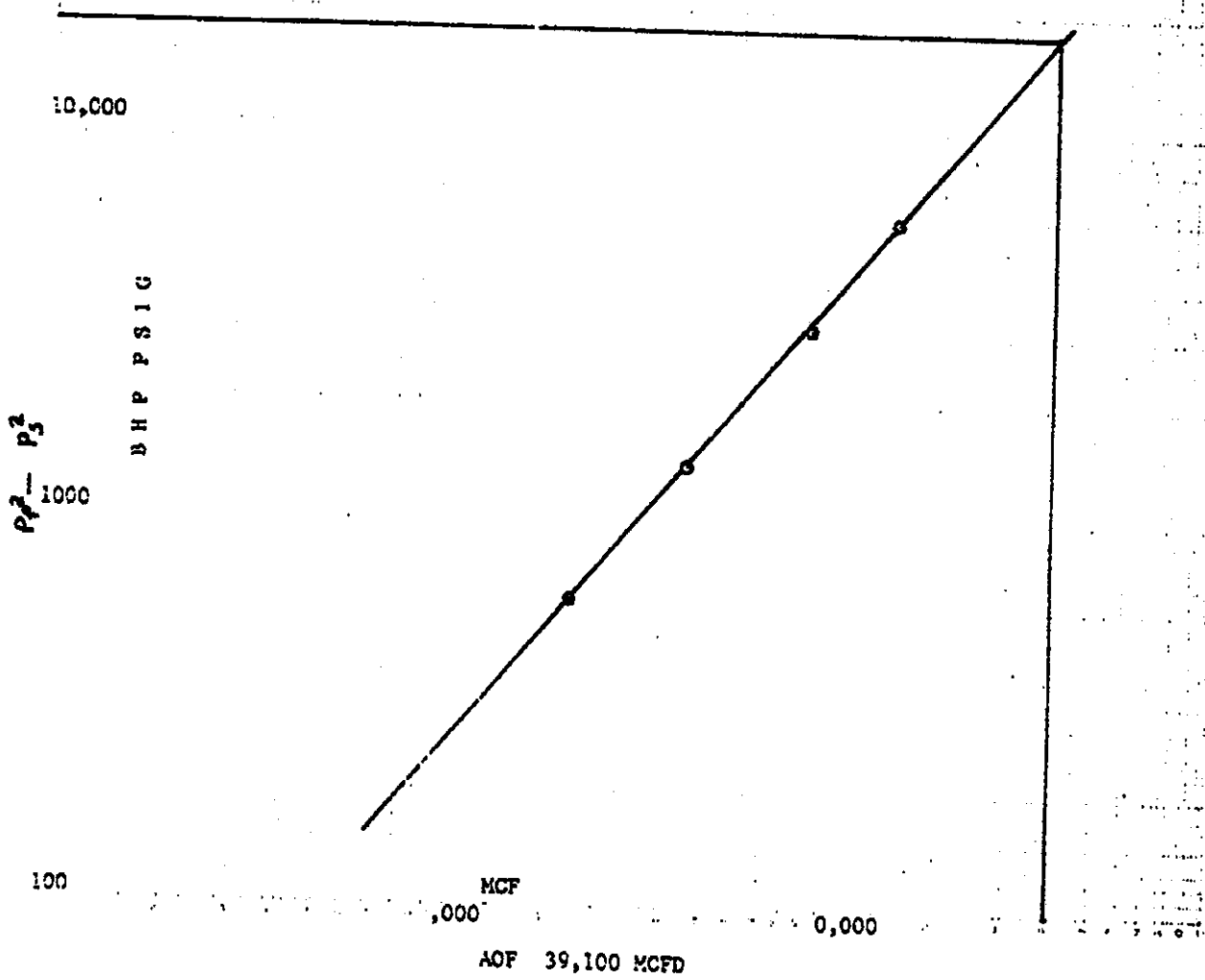
FORMATION RECORD (LIST DEPTHS OF PRINCIPAL GEOLOGICAL MARKERS AND FORMATION TOPS)			
Formations	Depth	Formations	Depth
Anhydrite	2008'	Barnett	10,788'
Yates	2973'	Mississippian	11,223'
Delaware	4974'	Woodford	11,838'
Bone Spring	7399'	Devonian	12,284'
Wolfcamp Shale	9718'		
Sirawa	10159'		

REMARKS: Multi- 49-b Gas Well

0 9 4 0 7 6

B. T. A. OIL PRODUCERS  
Wedge No. 1  
Open Flow Test  
7-12-1975

I.D. 63059



RECEIVED  
NOV 1975  
O.G.  
H. L. ANDERSON, TEXAS

8-10-63059

0094 377  
RAILROAD COMMISSION OF TEXAS  
OIL AND GAS DIVISION

Form G-5  
Rev. 7/5/66

**GAS WELL STATUS REPORT**

1. FIELD NAME (as per RRC Records) <b>Beall (Devonian)</b>		2. LEASE NAME <b>7276 JV-S Wedge Gas Unit</b>	7. RRC District <b>8</b>
3. OPERATOR <b>BTA OIL PRODUCERS</b>			8. RRC Identification Number <b>63057</b>
4. ADDRESS <b>104 South Pecos Midland, Texas 79701</b>			9. Well Number <b>1</b>
5. LOCATION (Section, Block, and Survey) <b>Sec. 22 &amp; 24, Blk 16, ULS</b>			10. County <b>Ward</b>
6. Pipeline Connection or Use of Gas <b>LoVaca Gathering Company</b>			11. Utilized for
			12. Acres Allocated to this Well <b>673.6</b>

Section I				PRODUCTION TEST AT RATE ELECTED BY OPERATOR		(Data on 24-hour basis)	
A. Gas Volume	15,390	(MCF)		E. Casing Pressure	-		(PSI)
B. Oil or Condensate Volume	27	(BBL/S.)		F. Color of Liquid	Light Straw		
C. Gas-Liquid-Hydrocarbon Ratio	660,000	(CF/BBL.)		G. Gravity of Liquid	49		*API
D. Flowing Tubing Pressure	2,296	(PSI)		H. Specific Gravity of the Gas (AIR = 1)	.6093		

Section II				POTENTIAL TEST DATA			
A. Absolute Open Flow	39,100	(MCF/DAY)		C. Shut-In Wellhead Pressure	3,191		(PSI)
B. Date of Test	7/12/75			D. Length of Time Well Shut-In Prior to Test (Hrs.)	72		

Section III		A.S.T.M. DISTILLATION OF LIQUID SAMPLE	
Distillation Test is required only on Gas Wells producing with a Gas-Liquid Ratio of less than 100,000 Cubic Feet per Barrel.			
PER CENT OVER		TEMPERATURE (DEG. F.)	
I.B.R.			
10			
20			
30			
40			
50			
60			
70			
80			
90			
95			
E.P.			
		RECEIVED R.R.C. OF TEXAS	

RECEIVED  
R.R.C. OF TEXAS

22 1975

O. G.  
MIDLAND, TEXAS

I declare under penalties prescribed in Article 6036c, R. C. S., 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.

Bob Newland      Bob Newland  
SIGNATURE

7/12/75  
DATE

Regulatory Supervisor  
TITLE

63057-01-9

(P)

GAS

JUL 24 07 74

RAILROAD COMMISSION OF TEXAS  
OIL AND GAS DIVISION

Form W-15  
(Rev. 12-1-69)

CEMENTING REPORT

# 662098

*1. Field Name (see per RRC Records or Wildcat) <b>Beall (Devonian)</b>	*2. RRC District <b>8</b>
*3. Lease Name(s) and RRC Lease Number(s) or L. D. Number(s) <b>S. T. A. OIL PROD.</b>	*4. County <b>WARD</b>
*5. Lease Name(s) and RRC Lease Number(s) or L. D. Number(s) <b>7276 JVS WEDGE Gas Unit</b>	*6. Well Number <b>#1</b>
*7. Location (Section, Block, and Survey) <b>Sec. 22 &amp; 24, Blk. 16, ULS</b>	

CASING CEMENTING DATA:	SURFACE CASING	INTER-MEDIATE CASING	PRODUCTION CASING		MULTI-STAGE CEMENTING PROCESS	
			Single String	Multiple Parallel Strings	Test	Shoe
*8. Cementing Date	12/04/74					
*9. (a) Size of Drill Bit (inches)	17 1/2"					
(b) Estimated % Wash or Hole Enlargement Used in Calculations						
*10. Size of Casing (inches O.D.)	13 3/8"					
*11. Top of Liner (if liner used) (ft.)						
*12. Setting Depth of Casing (ft.)	2,894					
*13. Type API Class Cement & Amount of Additives Used: (a) In First (Lead) or Only Slurry (if additional types are needed, list in separate rows on reverse side.)	SEE 26A					
(b) In Second Slurry	SEE 26B					
(c) In Third Slurry						
*14. Sacks of Cement Used: (a) In First (Lead) or Only Slurry	1400					
(b) In Second Slurry	500					
(c) In Third Slurry						
(d) Total Sacks of Cement Used	1900					
*15. Slurry Volume per Sack of Cement (cu.ft./sack): (a) In First (Lead) or Only Slurry	2.2					
(b) In Second Slurry	1.18					
(c) In Third Slurry						
*16. Volume of Slurry Pumped (cu.ft.) (Item 14 x Item 15) (a) In First (Lead) or Only Slurry	3080					
(b) In Second Slurry	590					
(c) In Third Slurry						
(d) Total Slurry Volume Pumped (cu.ft.)	3670					
*17. Calculated Annular Height of Cement Slurry behind Pipe (ft.)	5,253					
*18. Was cement circulated to ground surface (or bottom of cellar) outside casing? (Yes or No)	YES					
CEMENTING TO PLUG AND ABANDON DATA:	PLUG NO. 1	PLUG NO. 2	PLUG NO. 3	PLUG NO. 4	PLUG NO. 5	PLUG NO. 6
*19. Cementing Date						
*20. Size of Hole or Pipe in which Plug Placed (inches)						
*21. Depth to Bottom of Tubing or Drill Pipe (ft.)						
*22. Sacks of Cement Used (each plug)						
*23. Slurry Volume Pumped (cu. ft.)						
*24. Calculated Top of Plug (ft.)						
*25. Measured Top of Plug (if logged) (ft.)						

RECEIVED  
RRC OF TEXAS  
JUL 30 1975  
D. G.  
MIDLAND, TEXAS

(CEMENTING COMPANY AND OPERATOR MUST COMPLY WITH THE INSTRUCTIONS ON REVERSE SIDE HEREOF.)

- OVER -

\* Designates items to be completed by Operator. Items not so designated shall be completed by Cementing Company.

<p><b>26. Remarks:</b></p> <p>A--1400 SKS HALLIBURTON LIGHT CEMENT W/ 2% CALCIUM CHLORIDE, 2% GEL &amp; 1/2# FLOCELES B--500 SKS CLASS "H" W/2% CALCIUM CHLORIDE;</p>	<p><b>*27. Remarks:</b></p>
<p style="text-align: center;"><b>CEMENTING COMPANY</b></p> <p>I declare under penalties prescribed in Article 5036c, R. C. S., 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.</p> <p style="text-align: center;"><i>Danny Davis</i></p> <p>Signature of Cementer or Authorized Representative</p> <p><b>DANNY DAVIS, CEMENTER</b></p> <p>Name of Person and Title (type or print)</p> <p><b>HALLIBURTON SERVICES</b></p> <p>Cementing Company</p> <p><b>DRAWER "Y"</b></p> <p>Street Address or P.O. Box</p> <p><b>MONAHANS, TEXAS 79756</b></p> <p>City, State Zip Code</p> <p>915 943-2721</p> <p>Telephone Area Code</p> <p><b>12/04/74</b></p> <p>Date</p>	<p style="text-align: center;"><b>*OPERATOR</b></p> <p>I declare under penalties prescribed in Article 5036c, R. C. S., 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 and information presented herein.</p> <p style="text-align: center;"><i>Hollis Wellborn</i></p> <p>Signature of Operator or Authorized Representative</p> <p><b>Hollis Wellborn, Drilling Supt.</b></p> <p>Name of Person and Title (type or print)</p> <p><b>BTA OIL PRODUCERS</b></p> <p>Operator</p> <p><b>102 South Pecos</b></p> <p>Street Address or P.O. Box</p> <p><b>Midland, Texas 79701</b></p> <p>City, State Zip Code</p> <p>915 682-3753</p> <p>Telephone Area Code</p> <p><b>12/04/74</b></p> <p>Date</p>

### INSTRUCTIONS

1. A. This form shall be filed by the operator in the RRC District Office with:
  - (1) Each copy of an initial Form G-1 or W-2 if a cementing report is required by Statewide or Special Rules, or if exception is needed to cementing requirements in Statewide or Special Rules;
  - (2) Each copy of Form W-3;
  - (3) Each copy of Form W-4 if a multiple parallel casing completion.
- B. At least an original and one copy of this form shall be filed for each cementing company used on a well.
- C. The cementing of different casing strings on a well by one cementing company may be consolidated on one form (to be filed in duplicate).
2. Cementing Company and Operator shall comply with the applicable portions of Statewide Rules 8, 13, and 14. For offshore operations, Cementing Company and Operator shall comply with Statewide Rule 13(E).
3. **If setting FULL AMOUNT OF SURFACE CASING:**
  - A. Depth to protect fresh water determined by:
    - (1) Field Rule
    - (2) Texas Water Development Board, if no Field Rule
  - B. Set surface casing below depth to be protected and cement from casing shoe to ground surface.
4. **IF SETTING ANYTHING OTHER THAN THE FULL AMOUNT OF SURFACE CASING, PERMISSION SHALL BE OBTAINED FROM THE RAILROAD COMMISSION.**
5. **If setting NO SURFACE CASING (See Item 4 above.):**
  - A. If no multi-stage tool is used, the next deeper casing string shall be cemented from the casing shoe to the surface.
  - B. If using the multi-stage tool on the next deeper string, cement from the depth that protects fresh water sands to the surface.
6. **If setting SHORT SURFACE CASING (See Item 4 above.):**
  - A. Cement short surface casing from the shoe to the surface.
  - B. Whether the multi-stage tool is or is not used on the next deeper casing string, cement from the depth that protects fresh water sands to:
    - (1) the surface, or
    - (2) a point midway between shoe of surface string and the surface. Compliance will be considered if a temperature survey shows that the top of the cement is at least one-third of the distance from the shoe of the surface string to the surface.
7. **Setting PRODUCTION STRING of Casing: (Statewide Rules; Special Rules may vary.)**
  - A. Cement to 500 feet above the casing shoe.
  - B. When 3,000 feet or more of pipe is set for the production or protecting string, a minimum of 30 feet of cement shall be left inside the pipe.
8. **PLUGGING and ABANDONING:**
  - A. Cement plugs shall be placed in the well bore as required by Rules and Regulations of the Commission plus any additional plugs as may be specified by the RRC District Director.
  - B. The minimum amount of cement normally used in each plug shall be a slurry volume equal to the amount necessary to fill the calculated volume of 100 feet of the hole in which the plug is placed.
  - C. A 10-foot cement plug is required to be placed in the top of the well.

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

Form W-15  
(Rev. 11-1-68)

**CEMENTING REPORT**

# 890210

*1. Field Name (as per RRC Records or Wildcat) <b>Beall (Devonian)</b>		*2. RRC District <b>8</b>	
*3. Operator <b>B. T. A. OIL PRODUCERS</b>		*4. County <b>WARD</b>	
*5. Lease Name(s) and RRC Lease Number(s) or L. D. Number(s) <b>7276 JV-S Wedge Gas Unit</b> <i>72.63059</i>		*6. Well Number <b>#1</b>	
*7. Location (Section, Block, and Survey) <b>Sec. 22 &amp; 24, Blk. 16, ULS</b>			

CASING CEMENTING DATA:	SURFACE CASING	INTER-MEDIATE CASING	PRODUCTION CASING		MULTI-STAGE CEMENTING PROCESS	
			Single String	Multiple Parallel Strings	Tool	Shoe
*8. Cementing Date	<b>1/23/75</b>					
*9. (a) Size of Drill Bit (inches)	<b>12 1/4"</b>					
(b) Estimate 1% Wash or Hole Enlargement Used in Calculations.						
*10. Size of Casing (inches O.D.)	<b>9 5/8"</b>					
*11. Top of Liner (if liner used) (ft.)						
*12. Setting Depth of Casing (ft.)	<b>9,977</b>					
*13. Type API Class Cement & Amount of Additives Used: (a) In First (Lead) or Only Slurry (if additional space is needed, use "X" MARKS on reverse side.)	<b>SEE 26A</b>					
(b) In Second Slurry	<b>SEE 26B</b>					
(c) In Third Slurry						
*14. Sacks of Cement Used: (a) In First (Lead) or Only Slurry	<b>1600</b>					
(b) In Second Slurry	<b>500</b>					
(c) In Third Slurry						
(d) Total Sacks of Cement Used	<b>2100</b>					
*15. Slurry Volume per Sack of Cement (cu.ft./sack): (a) In First (Lead) or Only Slurry	<b>2.19</b>					
(b) In Second Slurry	<b>1.18</b>					
(c) In Third Slurry						
*16. Volume of Slurry Pumped (cu.ft.) (Item 14 x Item 15) (a) In First (Lead) or Only Slurry	<b>3,504</b>					
(b) In Second Slurry	<b>590</b>					
(c) In Third Slurry						
(d) Total Slurry Volume Pumped (cu.ft.)	<b>4,094</b>					
*17. Calculated Annular Height of Cement Slurry behind Pipe (ft.)	<b>13,072</b>					
*18. Was cement circulated to ground surface (or bottom of cellar) outside casing? (Yes or No)	<b>NO</b>					

CEMENTING TO PLUG AND ABANDON DATA:	PLUG NO. 1	PLUG NO. 2	PLUG NO. 3	PLUG NO. 4	PLUG NO. 5	PLUG NO. 6
*19. Cementing Date						
*20. Size of Hole or Pipe in which Plug Placed (inches)						
*21. Depth to Bottom of Tubing or Drill Pipe (ft.)						
*22. Sacks of Cement Used (each plug)						
*23. Slurry Volume Pumped (cu. ft.)						
*24. Calculated Top of Plug (ft.)						
*25. Measured Top of Plug (if tagged) (ft.)						

(CEMENTING COMPANY AND OPERATOR MUST COMPLY WITH THE INSTRUCTIONS ON REVERSE SIDE HEREOF.)

- OVER -

\* Designates items to be completed by Operator. Items not so designated shall be completed by Cementing Company.

**RECEIVED**  
**R.R.C. OF TEXAS**  
**JUL 30 1975**  
**D.D.**  
**MIDLAND, TEXAS**

3-10-63059

<p><b>26. Remarks:</b></p> <p>A. <b>1600 SKS CLASS C, 8% GEL, 70 GILSONITZ AND 1/4# FLOCELE;</b></p> <p>B. <b>500 SKS CLASS "H" WITH 2% CALCIUM CHLORIDE;</b></p> <p style="text-align: center;"><b><u>CEMENTING COMPANY</u></b></p> <p><small>I declare under penalties prescribed in Article 6036c, R. C. S., 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.</small></p> <p style="text-align: center;"><i>L. E. Lackey</i></p> <p><small>Signature of Cementer or Authorized Representative</small></p> <p><b>L. E. LACKEY, CEMENTER</b></p> <p><small>Name of Person and Title (type or print)</small></p> <p><b>HALLIBURTON SERVICES</b></p> <p><small>Cementing Company</small></p> <p><b>DRAWER "Y"</b></p> <p><small>Street Address or P.O. Box</small></p> <p><b>MONAHANS, TEXAS</b>      <b>79756</b></p> <p><small>City, State</small>      <small>Zip Code</small></p> <p><b>915</b>      <b>943-2721</b></p> <p><small>Telephone</small>      <small>Area Code</small></p> <p><b>JANUARY 24, 1975</b></p> <p><small>Date</small></p>	<p><b>27. Remarks:</b></p> <p style="text-align: right;"><small>NO COPY MADE</small></p> <p style="text-align: right;"><small>0 3</small></p> <p style="text-align: right;"><small>10 10 1975</small></p> <p style="text-align: right;"><small>W.C. ON LINE</small></p> <p style="text-align: right;"><small>0 3 1 5 2</small></p> <p style="text-align: center;"><b><u>*OPERATOR</u></b></p> <p><small>I declare under penalties prescribed in Article 6036c, R. C. S., 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 and information presented herein.</small></p> <p style="text-align: center;"><i>R. H. Lee</i></p> <p><small>*Signature of Operator or Authorized Representative</small></p> <p><b>Toolpusher, R. H. Lee</b></p> <p><small>*Name of Person and Title (type or print)</small></p> <p><b>BTA OIL PRODUCERS</b></p> <p><small>*Operator</small></p> <p><b>104 South Pecos</b></p> <p><small>*Street Address or P.O. Box</small></p> <p><b>Midland, Texas</b>      <b>79701</b></p> <p><small>*City, State</small>      <small>Zip Code</small></p> <p><b>915</b>      <b>682-3753</b></p> <p><small>*Telephone</small>      <small>Area Code</small></p> <p><b>1-24-75</b></p> <p><small>*Date</small></p>
---	---

1. This form shall be filed by the operator in the RRC District Office with:
  - (1) Each copy of an initial Form G-1 or W-2 if a cementing report is required by Statewide or Special Rules, or if exception is needed to cementing requirements in Statewide or Special Rules;
  - (2) Each copy of Form W-3;
  - (3) Each copy of Form W-4 if a multiple parallel casing completion.
- B. At least an original and one copy of this form shall be filed for each cementing company used on a well.
- C. The cementing of different casing strings on a well by one cementing company may be consolidated on one form (to be filed in duplicate).
2. Cementing Company and Operator shall comply with the applicable portions of Statewide Rules 8, 13, and 14. For offshore operations, Cementing Company and Operator shall comply with Statewide Rule 13(E).
3. If setting FULL AMOUNT OF SURFACE CASING:
  - A. Depth to protect fresh water determined by:
    - (1) Field Rule
    - (2) Texas Water Development Board, if no Field Rule
  - B. Set surface casing below depth to be protected and cement from casing shoe to ground surface.
4. IF SETTING ANYTHING OTHER THAN THE FULL AMOUNT OF SURFACE CASING, PERMISSION SHALL BE OBTAINED FROM THE RAILROAD COMMISSION.
5. If setting NO SURFACE CASING (See Item 4 above.):
  - A. If no multi-stage tool is used, the next deeper casing string shall be cemented from the casing shoe to the surface.
  - B. If using the multi-stage tool on the next deeper string, cement from the depth that protects fresh water sands to the surface.
6. If setting SHORT SURFACE CASING (See Item 4 above.):
  - A. Cement short surface casing from the shoe to the surface.
  - B. Whether the multi-stage tool is or is not used on the next deeper casing string, cement from the depth that protects fresh water sands to:
    - (1) the surface; or
    - (2) a point midway between shoe of surface string and the surface. Compliance will be considered if a temperature survey shows that the top of the cement is at least one-third of the distance from the shoe of the surface string to the surface.
7. Setting PRODUCTION STRING of Casing: (Statewide Rules; Special Rules may vary.)
  - A. Cement to a point at least 600 feet above the casing shoe.
  - B. When 3,000 feet or more of pipe is set for the production or protecting string, a minimum of 30 feet of cement shall be left inside the pipe.
8. PLUGGING AND ABANDONING:
  - A. Cement plugs shall be placed in the well bore as required by Rules and Regulations of the Commission plus any additional plugs as may be specified by the RRC District Director.
  - B. The minimum amount of cement cemented in each plug shall be a slurry volume equal to the amount necessary to fill the estimated volume of 100 feet of the hole in which the plug is placed.
  - C. A 30 foot cement plug is required to be placed in the top of the well.



# RAILROAD COMMISSION OF TEXAS OIL AND GAS DIVISION

Form W-15  
(Rev. 11-1-67)

## CEMENTING REPORT

# 890210

*1. Field Name (as per RRC Records or Wildcat)	*2. RRC District
*3. Well (Deviation)	*4. County
*5. Lease Name(s) and RRC Lease Number(s) or L. O. Number(s)	*6. Well Number
*7. Location (Section, Block and Survey)	

CASING CEMENTING DATA:	SURFACE CASING	INTER-MEDIATE CASING	PRODUCTION CASING		MULTI-STAGE CEMENTING PROCESS	
			Single String	Multiple Perforated Strings	Tool	Shoe
*8. Cementing Date	1/23/75					
*9. (a) Size of Drill Bit (inches)	12 1/4"					
(b) Estimated "Wash" or Hole Enlargement Used in Calculations.						
*10. Size of Casing (inches O.D.)	9 5/8"					
*11. Top of Liner (if liner used) (ft.)						
*12. Setting Depth of Casing (ft.)	9,977					
*13. Type API Class Cement & Amount of Additives Used: (a) In First (Lead) or Only Slurry (If additional space is needed, see RRC Form W-15 on reverse side.)	See 26A					
(b) In Second Slurry	See 26B					
(c) In Third Slurry						
*14. Sacks of Cement Used: (a) In First (Lead) or Only Slurry	1600					
(b) In Second Slurry	500					
(c) In Third Slurry						
(d) Total Sacks of Cement Used	2100					
*15. Slurry Volume per Sack of Cement (cu.ft./sack): (a) In First (Lead) or Only Slurry	2.19					
(b) In Second Slurry	1.18					
(c) In Third Slurry						
*16. Volume of Slurry Pumped (cu.ft.) (Item 14 x Item 15) (a) In First (Lead) or Only Slurry	3,504					
(b) In Second Slurry	590					
(c) In Third Slurry						
(d) Total Slurry Volume Pumped (cu.ft.)	4,094					
*17. Calculated Annular Height of Cement Slurry behind Pipe (ft.)	13,072					
*18. Was cement circulated to ground surface (or bottom of cellar) outside casing? (Yes or No)	NO					
CEMENTING TO PLUG AND ABANDON DATA:	PLUG NO. 1	PLUG NO. 2	PLUG NO. 3	PLUG NO. 4	PLUG NO. 5	PLUG NO. 6
*19. Cementing Date						
*20. Size of Hole in Pipe in which Plug Placed (inches)						
*21. Depth to Bottom of Tubing or Drill Pipe (ft.)						
*22. Sacks of Cement Used (each plug)						
*23. Slurry Volume Pumped (cu. ft.)						
*24. Calculated Top of Plug (ft.)						
*25. Measured Top of Plug (if tagged) (ft.)						

(CEMENTING COMPANY AND OPERATOR MUST COMPLY WITH THE INSTRUCTIONS ON REVERSE SIDE HEREOF.)

OVER

\* Designates items to be completed by Operator. Items not so designated shall be completed by Cementing Company.

*E.R. [Signature]*  
*See 26A*  
*See 26B*  
*See 26C*  
*See 26D*  
*See 26E*  
*See 26F*  
*See 26G*  
*See 26H*  
*See 26I*  
*See 26J*  
*See 26K*  
*See 26L*  
*See 26M*  
*See 26N*  
*See 26O*  
*See 26P*  
*See 26Q*  
*See 26R*  
*See 26S*  
*See 26T*  
*See 26U*  
*See 26V*  
*See 26W*  
*See 26X*  
*See 26Y*  
*See 26Z*

10-62065

<p><b>26. Remarks:</b></p> <p>A. <b>1000 SPS CLASS C, 8% GEL, 75 GILSONITE AND 1/4" FLOCCLE;</b></p> <p>B. <b>500 SPS CLASS "H" WITH 2% CALCIUM CHLORIDE;</b></p>	<p><b>*27. Remarks:</b></p>
<p style="text-align: center;"><b>CEMENTING COMPANY</b></p> <p>I declare under penalties prescribed in Article 4036a, R.C.S., 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.</p> <p style="text-align: center;"><i>L. E. Lacro</i></p> <p>Signature of Cementer or Authorized Representative</p> <p><b>L. E. LACRO, CEMENTER</b></p> <p>Name of Person and Title (type or print)</p> <p><b>HALLIBURTON SERVICES</b></p> <p>Cementing Company</p> <p><b>DRAPER "Y"</b></p> <p>Street Address or P.O. Box</p> <p><b>MOHAWAS, TEXAS</b> <b>79756</b></p> <p>City, State Zip Code</p> <p><b>915 943-2721</b></p> <p>Telephone</p> <p><b>JANUARY 28, 1975</b></p> <p>Date</p>	<p style="text-align: center;"><b>*OPERATOR</b></p> <p>I declare under penalties prescribed in Article 4036a, R.C.S., 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 and information presented herein.</p> <p style="text-align: center;"><i>R. H. Lee</i></p> <p>Signature of Operator or Authorized Representative</p> <p><b>Toolpusher, R. H. Lee</b></p> <p>Name of Person and Title (type or print)</p> <p><b>BTA OIL PRODUCERS</b></p> <p>Operator</p> <p><b>104 South Pecos</b></p> <p>Street Address or P.O. Box</p> <p><b>Midland, Texas</b> <b>79701</b></p> <p>City, State Zip Code</p> <p><b>915 682-3753</b></p> <p>Telephone</p> <p><b>1-24-75</b></p> <p>Date</p>

#### INSTRUCTIONS

1. A. This form shall be filed by the operator in the RRC District Office with:
  - (1) Each copy of an initial Form G-1 or W-2 if a cementing report is required by Statewide or Special Rules, or if exception is needed to cementing requirements in Statewide or Special Rules;
  - (2) Each copy of Form W-3;
  - (3) Each copy of Form W-4 if a multiple parallel casing completion.
- B. At least an original and one copy of this form shall be filed for each cementing company used on a well.
- C. The cementing of different casing strings on a well by one cementing company may be consolidated on one form (to be filed in duplicate).
2. Cementing Company and Operator shall comply with the applicable portions of Statewide Rules 8, 13, and 14. For offshore operations, Cementing Company and Operator shall comply with Statewide Rule 13(E).
3. If setting FULL AMOUNT OF SURFACE CASING:
  - A. Depth to protect fresh water determined by:
    - (1) Field Rule
    - (2) Texas Water Development Board, if no Field Rule
  - B. Set surface casing below depth to be protected and cement from casing shoe to ground surface.
4. IF SETTING ANYTHING OTHER THAN THE FULL AMOUNT OF SURFACE CASING, PERMISSION SHALL BE OBTAINED FROM THE RAILROAD COMMISSION.
5. If setting NO SURFACE CASING (See Item 4 above.):
  - A. If no multi-stage tool is used, the next deeper casing string shall be cemented from the casing shoe to the surface.
  - B. If using the multi-stage tool on the next deeper string, cement from the depth that protects fresh water sands to the surface.
6. If setting SHORT SURFACE CASING (See Item 4 above.):
  - A. Cement short surface casing from the shoe to the surface.
  - B. Whether the multi-stage tool is or is not used on the next deeper casing string, cement from the depth that protects fresh water sands to:
    - (1) the surface, or
    - (2) a point midway between shoe of surface string and the surface. Compliance will be considered if a temperature survey shows that the top of the cement is at least one-third of the distance from the shoe of the surface string to the surface.
7. Setting PRODUCTION STRING of Casing: (Statewide Rules; Special Rules may vary.)
  - A. Cement to a point at least 600 feet above the casing shoe.
  - B. When 3,000 feet or more of pipe is set for the production or protecting string, a minimum of 30 feet of cement shall be left inside the pipe.
8. PLUGGING AND ABANDONING:
  - A. Cement plugs shall be placed in the well bore as required by Rules and Regulations of the Commission plus any additional plugs as may be required by the RRC District Director.
  - B. The minimum amount of cement normally used in cementing shall be a heavy volume equal to the amount necessary to fill the calculated volume of 100 feet of the hole in which the plug is placed.
  - C. 5-10 feet cement plug is required to be placed in the top of the well.

RECEIVED APR 8 1975

RAILROAD COMMISSION OF TEXAS  
OIL AND GAS DIVISION

Form W-25  
(Rev. 11-1-69)

CEMENTING REPORT

# 791431

1. Field Name (as per A.G. Records - official)	2. RRC District
Beall (Devonian)	8
3. Operator	4. County
B. T. A. OIL PROD.	WARD
5. Lease Name(s) and RRC Lease Number(s) or L. O. Number(s)	6. Well Number
7276 J. V. S. Woods Gas Unit 43059	1
7. Location (Section, Block, and Survey)	

CASING CEMENTING DATA:	SURFACE CASING	INTER-MEDIATE CASING	PRODUCTION CASING		MULTI-STAGE CEMENTING PROCESS	
			Single String	Multiple Parallel Strings	Tool	Shoe
1. Cementing Date		4/02/75				
2. (a) Size of Drill Bit (inches)		9 1/2"				
(b) Estimated - Depth of Hole Enlargement Used in Calculations						
3. Size of Casing (Inches O.D.)		7 5/8"				
4. Top of Liner (if liner used) (ft.)		9,586				
5. Setting Depth of Casing (ft.)		11,300				
6. Type API Class Cement & Amount of Additives Used:		SEE 26A				
(a) In First (Lead) or Only Slurry (if additional space is needed, see "REMARKS" on reverse side)						
(b) In Second Slurry						
(c) In Third Slurry						
7. Sacks of Cement Used:		550				
(a) In First (Lead) or Only Slurry						
(b) In Second Slurry						
(c) In Third Slurry						
(d) Total Sacks of Cement Used		550				
8. Slurry Volume per Sack of Cement (cu. ft. sack):		1.22				
(a) In First (Lead) or Only Slurry						
(b) In Second Slurry						
(c) In Third Slurry						
9. Volume of Slurry Pumped (cu. ft.) (Item 10 & Item 11)		671				
(a) In First (Lead) or Only Slurry						
(b) In Second Slurry						
(c) In Third Slurry						
(d) Total Slurry Volume Pumped (cu. ft.)		671				
10. Calculated Annular Height of Cement Slurry behind Pipe (ft.)		3469				
11. Was cement circulated to ground surface (or bottom of collar) outside casing? (Yes or No)						

CEMENTING TO PLUG AND ABANDON DATA:	PLUG NO. 1	PLUG NO. 2	PLUG NO. 3	PLUG NO. 4	PLUG NO. 5	PLUG NO. 6
12. Cementing Date						
13. Size of Hole or Pipe in which Plug Placed (inches)						
14. Depth to Bottom of Tubing or Drill Pipe (ft.)						
15. Sacks of Cement Used (each plug)						
16. Slurry Volume Pumped (cu. ft.)						
17. Calculated Top of Plug (ft.)						
18. Measured Top of Plug (if logged) (ft.)						

CEMENTING COMPANY AND OPERATOR MUST COMPLY WITH THE INSTRUCTIONS ON REVERSE SIDE HEREOF.)

- OVER -

\* Designated items to be completed by Operator. Items not so designated shall be completed by Cementing Company.

RECEIVED  
R.R.C. OF TEXAS  
JUL 24 1975  
O.G.  
MIDLAND, TEXAS

2-10-43059

<div style="border: 1px solid black; padding: 2px; margin-bottom: 10px;"> <b>26. Remarks:</b>  <b>A. 550 LBS CLASS H WITH 3/4% CFR-2 &amp; 7.8# SALT PER SACK;</b> </div> <div style="text-align: center; border-top: 1px solid black; border-bottom: 1px solid black; margin: 10px 0;"> <b>CEMENTING COMPANY</b> </div> <p>I declare under penalties prescribed in Article 6035c, R. C. S., 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.</p> <p style="text-align: center;"><i>B. R. Niblett</i></p> <p>_____        Signature of Cementor or Authorized Representative</p> <p><b>B. R. NIBLETT, CEMENTER</b>        Name of Person and Title (type or print)</p> <p><b>HALLIBURTON SERVICES</b>        Cementing Company</p> <p><b>DRAWER "Y"</b>        Street Address or P.O. Box</p> <p><b>MONAHANS, TEXAS 79756</b>        City, State Zip Code</p> <p>Telephone <u>915</u> <u>943-2721</u>        Area Code</p> <p><u>4/2/75</u>        Date</p>	<div style="border-top: 1px solid black; border-bottom: 1px solid black; margin: 10px 0;"> <b>*27. Remarks:</b> </div> <div style="text-align: center; border-top: 1px solid black; border-bottom: 1px solid black; margin: 10px 0;"> <b>*OPERATOR</b> </div> <p>I declare under penalties prescribed in Article 6035c, R. C. S., 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 and information presented herein.</p> <p style="text-align: center;"><i>Paul B. Scholl</i></p> <p>_____        *Signature of Operator or Authorized Representative</p> <p><b>Paul B. Scholl, Drilling Supt.</b>        *Name of Person and Title (type or print)</p> <p><b>BTA OIL PRODUCERS</b>        *Operator</p> <p><b>104 South Pecos</b>        *Street Address or P.O. Box</p> <p><b>Midland, Texas 79701</b>        *City, State Zip Code</p> <p>Telephone <u>915</u> <u>682-3753</u>        Area Code</p> <p><u>7/12/75</u>        *Date</p>
---	--

### INSTRUCTIONS

1. A. This form shall be filed by the operator in the RRC District Office with:
  - (1) Each copy of an initial Form G-1 or W-2 if a cementing report is required by Statewide or Special Rules, or if exception is needed to cementing requirements in Statewide or Special Rules;
  - (2) Each copy of Form W-3;
  - (3) Each copy of Form W-4 if a multiple parallel casing completion.
 B. At least an original and one copy of this form shall be filed for each cementing company used on a well.  
 C. The cementing of different casing strings on a well by one cementing company may be consolidated on one form (to be filed in duplicate).
2. Cementing Company and Operator shall comply with the applicable portions of Statewide Rules 8, 13, and 14. For offshore operations, Cementing Company and Operator shall comply with Statewide Rule 13(E).
3. If setting FULL AMOUNT OF SURFACE CASING:
  - A. Depth to protect fresh water determined by:
    - (1) Field Rule
    - (2) Texas Water Development Board, if no Field Rule
  - B. Set surface casing below depth to be protected and cement from casing shoe to ground surface.
4. IF SETTING ANYTHING OTHER THAN THE FULL AMOUNT OF SURFACE CASING, PERMISSION SHALL BE OBTAINED FROM THE RAILROAD COMMISSION.
5. If setting NO SURFACE CASING (See Item 4 above.):
  - A. If no multi-stage tool is used, the next deeper casing string shall be cemented from the casing shoe to the surface.
  - B. If using the multi-stage tool on the next deeper string, cement from the depth that protects fresh water sands to the surface.
6. If setting SHORT SURFACE CASING (See Item 4 above.):
  - A. Cement short surface casing from the shoe to the surface.
  - B. Whether the multi-stage tool is or is not used on the next deeper casing string, cement from the depth that protects fresh water sands to:
    - (1) the surface; or
    - (2) a point midway between shoe of surface string and the surface. Compliance will be considered if a temperature survey shows that the top of the cement is at least one-third of the distance from the shoe of the surface string to the surface.
7. Setting PRODUCTION STRING OF Casing: (Statewide Rules; Special Rules may vary.)
  - A. Cement to a point at least 600 feet above the casing shoe.
  - B. When 3,000 feet or more of pipe is set for the production or protecting string, a minimum of 30 feet of cement shall be left inside the pipe.
8. PLUGGING and ABANDONING:
  - A. Cement plugs shall be placed in the well bore as required by Rules and Regulations of the Commission plus any additional plugs as may be specified by the RRC District Director.
  - B. The minimum amount of cement normally used in each plug shall be a slurry volume equal to the amount necessary to fill the calculated volume of 100 feet of the hole in which plug is placed.
  - C. A 10 foot cement plug is required to be placed in the top of the well.