

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

HOBBSS OCD

AUG 13 2013

FORM APPROVED
OMB No. 1004-0137
Expires: July 31, 2010**SUNDRY NOTICES AND REPORTS ON WELLS**
Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE - Other instructions on page 2.

1. Type of Well

☐ Oil Well☐ Gas Well☒ Other

SWD

2. Name of Operator
SHACKELFORD OIL CO3a. Address
203 W WALL ST SUITE 200
MIDLAND, TX 79701

3b. Phone No. (include area code)

(432) 682-9784

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

T-19-S R-32-E SEC 33 660 FNL 760 FWL

5. Lease Serial No.
NM-01135

6. If Indian, Allottee or Tribe Name

7. If Unit of CA/Agreement, Name and/or No.

8. Well Name and No.
PLAINS DELAWARE FED 79. API Well No.
3002520770

10. Field and Pool or Exploratory Area

11. Country or Parish, State
LEA, NEW MEXICO

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
☒ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
☐ Subsequent Report	☐ Alter Casing	☐ Fracture Treat	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☒ Other CEMENTING TBG
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	TO STABILIZE TBG TO
	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal	CLEAN OUT WELL

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.)

SEE ATTACHED

Notify Hobbs Field Station @ 575-393-3612
prior to start (24 hours). Need witness For Rate
and Cont. When drilling out Supply Jim Amos w/ Daily
Report.

14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed)

Art Marquez

Title Operations Manager

Signature

Date 8/8/13

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

James R. Amos

Title SEAS

Date 8-11-13

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

MW/OCD 12/5/13

Office CFO

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

DEC 09 2013

Proposed Procedures to Stabilize and Clean Out Well

Plains Federal #7

1. GIH w/8 5/8" packer set at 900' and establish rate
2. Pump 300 sxs of lite cement and follow with as much as 1100 sxs of Class C cement at 2 bbls per minute wait on cement. POOH w/packer
3. GIH and tag top of cement
4. GIH w/mill and mill out cement.

Attachments:

1. Current schematic as of 6/27/13
2. Calculation of Cement Volumes
 - a. 8 5/8" casing volume
 - b. 5 1/2" casing volume
 - c. 8 5/8"-5 1/2" annulus
3. Sundry Notice date 6/6/64
4. Cement Bond Log on 6/27/13

Calculation of Cement Volume

1. 8 5/8" casing 900'-3306' =	2406 ft	
<u>Exhibit A ft3</u>		823.347 ft ³
2. 5 1/2" casing 3306'-4732' =	1426 ft	
<u>Exhibit B ft3</u>		177.558 ft ³
3. Annulus 8 5/8" 5 1/2" 3306'-4500'	1194 ft	
<u>Exhibit C ft3</u>		211.598 ft ³
Total Cubic Feet		1212.503 ft ³

Cement to fill to 4732'

300 sxs Lite Cement	1.60 ft3/sx	480.0 ft3
<u>546.65 sxs Class C</u>	1.34 ft3/sx	<u>732.5ft3</u>
<u>846.65 sxs</u>		<u>1212.50ft³</u>

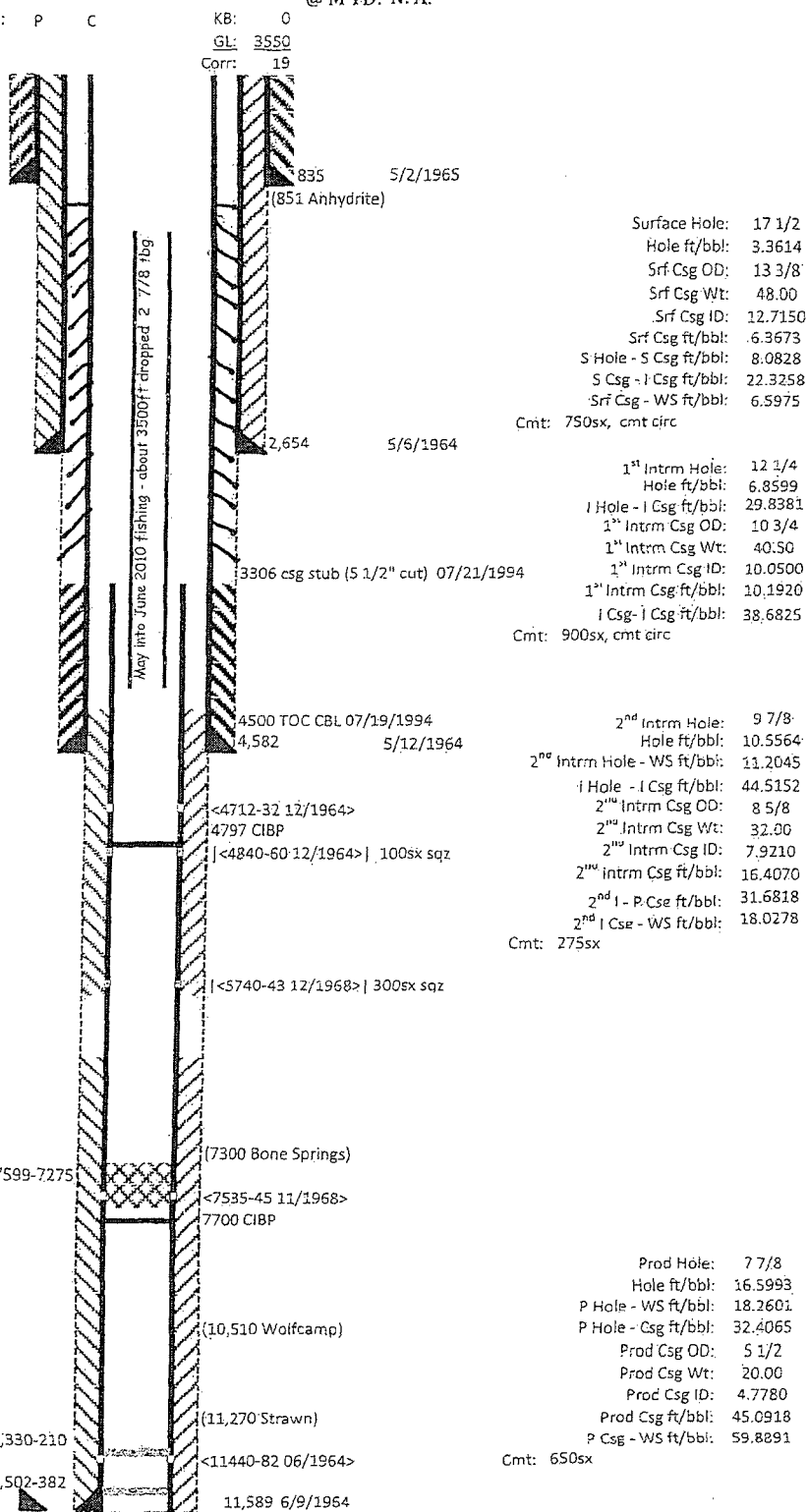
Will have a total of 1400 sxs of cement on locations.

Operator: Shackelford Oil Company
 Surface Lease: NM01135
 Producing Lse No: NM01135
 Unit or CA No: N.A.
 Design Casings for these Geo Conditions: P C
 AFMSS Status: P&A
 Spud date: 4/28/1964
 NMOCD Max Inj psig: 942
 Last PI-DW Insp Date: .
 Inspc Tbg psig: .
 Inspc Csg psig: .

Well: Plains Federal Unit #7
 API: 3002520770
 @ Srfce: T19S-R32E, Sec 33, 660FNL & 760FWL
 @ MTD: N. A.

CBL RUN ON 6/27/13
 Top of cement (good
 cement) 890'
 6/9/64
 According to Sundry notice
 Cemented Annular between
 8 5/8" And 10 3/4"
 450 SX, Filled to surface

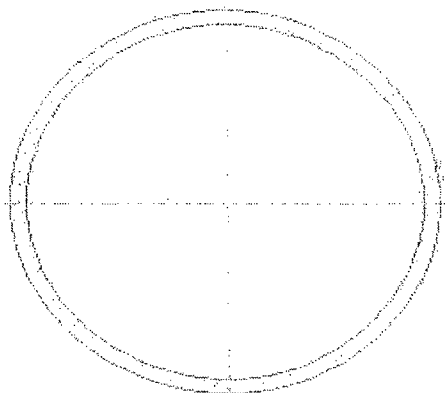
T/salt - 1138'
 B/salt - 2528'



06/03/2010 last update of diagram

Annular Volume Calculator

Cross Section



Outer	Casing
OD:	8.625 in
Weight:	32.00 lbm/ft
ID:	7.921 in
Inner	None

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Calculated Results

Volume for Unit Length

Annular:	0.0609495	bbbl/ft
Tubular:	0.0609495	bbbl/ft

Metal Displacement of Outer

Open:	0.0113151	bbbl/ft
Plugged:	0.072265	bbbl/ft

Metal Displacement of Inner

Open:		bbbl/ft
Plugged:		bbbl/ft

Volume for Given Depth

Depth:	2406	ft	*
Annular:		ft ³	
Tubular:	823.347	ft ³	*

Depth for Given Volume

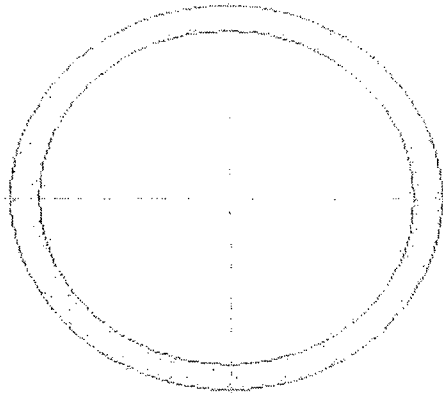
Volume:	28.0729	ft ³
Annular:		ft
Tubular:	82.0351	ft

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11/24/14 11:11

Annular Volume Calculator

Cross Section



Outer

OD: in
 Weight: lbm/ft
 ID: in

Inner

Calculated Results

Volume for Unit Length

Annular: bbl/ft

Tubular: ft³

Metal Displacement of Outer

Open: bbl/ft

Plugged: bbl/ft

Metal Displacement of Inner

Open: bbl/ft

Plugged: bbl/ft

Volume for Given Depth

Depth: ft *

Annular: ft³

Tubular: ft³ *

Depth for Given Volume

Volume: ft³

Annular: ft

Tubular: ft

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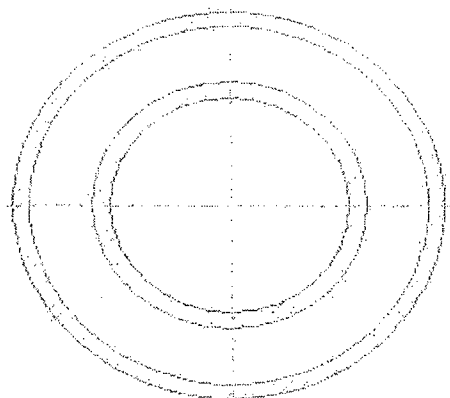
i-Handbook* - *a mark of Schlumberger

Exhibit C

Annular Volume Calculator

Calculated Results

Cross Section



Volume for Unit Length

Annular: 0.0315638 bbl/ft

Tubular: 8.0312 ft³

Metal Displacement of Outer

Open: 0.0113159 bbl/ft

Plugged: 0.072265 bbl/ft

Metal Displacement of Inner

Open: 0.0072086 bbl/ft

Plugged: 0.0293856 bbl/ft

Volume for Given Depth

Outer

Casing
 OD: 8.625 in
 Weight: 32.00 lbm/ft
 ID: 7.921 in

Depth: 1194 ft

Annular: 211.598 ft³

Tubular: 148.67 ft³

Inner

Casing
 OD: 5.500 in
 Weight: 20.00 lbm/ft
 ID: 4.778 in

Depth for Given Volume

Volume: 28.0729 ft³

Annular: 158.409 ft³

Tubular: 225.459 ft³

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