

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

NMOCD

Hobbs

**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.*  
**HOBBS OCD**FORM APPROVED  
OMB NO. 1004-0137  
Expires: January 31, 20185. Lease Serial No.  
NMNM90161

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.  
NMNM120042X8. Well Name and No.  
WEST BLINEBRY DRINKARD UNIT 459. API Well No.  
30-025-3634410. Field and Pool or Exploratory Area  
EUNICE; B-T-D, NORTH11. County or Parish, State  
LEA COUNTY COUNTY, NM

SUBMIT IN TRIPLICATE - Other instructions on page 2

SEP 19 2017

RECEIVED

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other2. Name of Operator  
APACHE CORPORATIONContact: REESA FISHER  
E-Mail: Reesa.Fisher@apachecorp.com3a. Address  
303 VETERANS AIRPARK LANE SUITE 3000  
MIDLAND, TX 797053b. Phone No. (include area code)  
Ph: 432-818-1062

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

Sec 9 T21S R37E SESW 1040FSL 1470FWL

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

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Hydraulic Fracturing	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other Workover Operations
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

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 recomple 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.

Apache intends to workover this well by adding perfs to the Drinkard and acidizing BTD, per the attached.

14. I hereby certify that the foregoing is true and correct.

Electronic Submission #366391 verified by the BLM Well Information System  
For APACHE CORPORATION, sent to the Hobbs  
Committed to AFMSS for processing by DEBORAH MCKINNEY on 02/13/2017 ()

Name (Printed/Typed) REESA FISHER

Title SR STAFF REGULATORY ANALYST

Signature (Electronic Submission)

Date 02/09/2017

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

AUG 28 2017

Approved By

Title

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.

Office

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)

\*\* OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED \*\*

36344  
WBDU 45 (API: 30-025-32020)

**Proposed Workover Procedure: Reactivate Drinkard and Add pay. Acid Stimulate Drinkard, Tubb, Blinebry**

**January 30, 2017**

**Day 0:** Test anchors. Get oil sample and send to Cudd for compatibility testing.

**Day 1:** MIRU. POOH w/ rods and pump. Install BOP. TFF and POOH w/ 2-7/8" tubing

**Day 2:** PU & RIH w/ 4-3/4" bit with scraper and 2-7/8" L-80 work string to PBTD at 6840'. Use bailer or foam air unit if necessary. POOH.

**Day 3:** MIRU WL. RIH & correlate depths to CNL/GR/CCL log run 9/28/2003.

Perforate the Drinkard formations as per the attached sheet using 3-3/8" TAGs loaded with SDP charges (2 SPF, 90° phasing). POOH & RD WL.

PU & RIH w/ RBP and treating packer on 2-7/8" work string.

**Day 4:** Cont. RIH w/ RBP and treating packer, set RBP at +/- 6660' PUH and set packer at +/- 6480'.

Acidize Drinkard with 8000 gals 15% HCl using rock salt for diversion every 1000 gals. (Max pressure: 4500 psi, Max Rate 12 BPM). Unset packer and wash over salt.

PU RBP and set at +/- 6350'. PU and set packer at +/- 6050'.

Acidize Tubb with 2000 gals 15% HCl using rock salt for diversion every 500 gals. (Max pressure: 4500 psi, Max Rate 12 BPM). Unset packer and wash over salt.

PU RBP and set at +/- 6010'. PU and set packer at +/- 5610'.

Acidize Blinebry with 2000 gals 15% HCl using rock salt for diversion every 500 gals. (Max pressure: 4500 psi, Max Rate 12 BPM). Unset packer and wash over salt. Retrieve RBP and POOH and LD work string.

**Day 5:** PU and RIH 2-7/8" production string and set SN at +/- 6680'. Swab well for several hours.

**Day 6:** RIH w/ pump and rods. RDMO. Place well on production.

WBDU 45 Perforations					
Guns: 3-3/8" TAG w/SDP Charges					
Zone	Top	Bottom	Feet	SPF	Shots
Drinkard	6534	6549	16	2	32
Drinkard	6553	6558	6	2	12
Drinkard	6561	6567	7	2	14
Drinkard	6570	6580	11	2	22
Drinkard	6585	6591	7	2	14
Drinkard	6600	6604	5	2	10
Drinkard	6606	6616	11	2	22
Drinkard	6619	6621	3	2	6
Drinkard	6622	6631	10	2	20
Total			76		152





## Downhole Well Profile w Cement

Well Name: WBDU 45

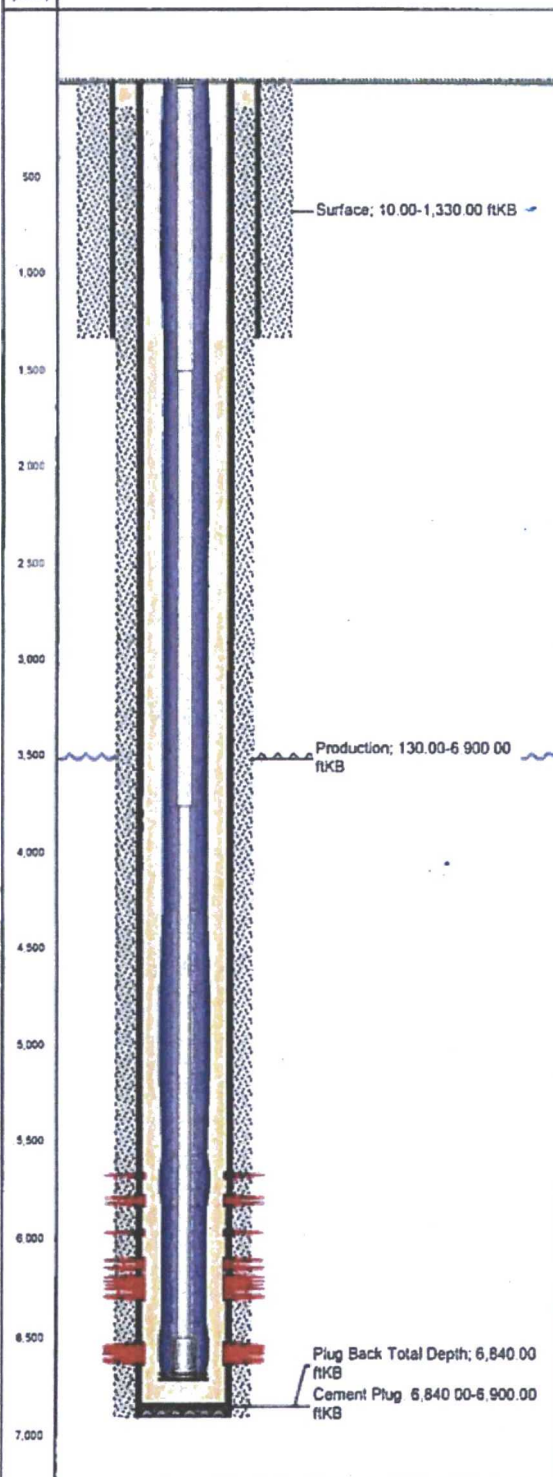
Reference Datum: KB

API/UWI 3002536344	Surface Legal Location 1040' FSL, 1470' FWL, Unit N, Sec 9, T-21S, R-37E	Field Name Drinkard	State/Province New Mexico	Well Purpose Production
Spud Date 9/16/2003 23 00	Original Drilling Rig Release 9/28/2003 20.00	Original KB Elevation (ft) 3,515.0	Ground Elevation (ft) 3,505.0	KB-Ground Distance (ft) 10.0
PATD (Alt) (ftKB) Original Hole - 6,840	Total Depth Alt (TVD) (ftKB) Original Hole - 6,899.0			

Production - WEST BLINEBRY DRINKARD UNIT 045 - Original Hole, 1/31/

MD  
(ftKB)

Vertical schematic (actual)



### Casing Strings

Csg Des	OD (in)	Wt/Len (lb/ft)	Grade	Set Depth (ftKB)
Surface	8 5/8	24.00	J-55	1,330.00
Prod 1	5 1/2	17.00	J-55	6,900.00

### Cement

String	Description	Top Depth (ftKB)	Bottom Depth (ftKB)	Top Meas Meth	Start Date
Surface, 1,330.00ftKB	Surface	10.00	1,330.00	Returns at Surface	9/18/2003
String Prod 1, 6,900.00ftKB	Production	130.00	6,900.00	Log	9/29/2003
String Prod 1, 6,900.00ftKB	Cement Plug	6,840.00	6,900.00	Tag	9/29/2003

### Perforations

Date	Type	Prop?	Top (ftKB)	Bot (ftKB)	Shot Dens (shots/ft)	Entered Shot Total
8/26/2005	Blinebry	No	5,670	5,676	2.0	14
8/26/2005	Blinebry	No	5,790	5,798	2.0	18
8/26/2005	Blinebry	No	5,816	5,820	2.0	10
8/26/2005	Blinebry	No	5,966	5,974	2.0	19
10/31/2003	Tubb	No	6,106	6,111	2.0	12
10/31/2003	Tubb	No	6,141	6,146	2.0	12
10/31/2003	Tubb	No	6,192	6,196	2.0	10
10/31/2003	Tubb	No	6,210	6,216	2.0	14
10/31/2003	Tubb	No	6,230	6,234	2.0	10
10/31/2003	Tubb	No	6,248	6,252	2.0	10
10/31/2003	Tubb	No	6,278	6,284	2.0	14
10/31/2003	Tubb	No	6,290	6,294	2.0	10
6/17/2013	Drinkard	No	6,539	6,540	2.0	4
6/17/2013	Drinkard	No	6,546	6,548	2.0	6
6/17/2013	Drinkard	No	6,554	6,556	2.0	6
10/2/2003	Drinkard	No	6,562	6,564	2.0	6
10/2/2003	Drinkard	No	6,571	6,575	2.0	10
6/17/2013	Drinkard	No	6,576	6,579	2.0	8
10/2/2003	Drinkard	No	6,586	6,590	2.0	10
6/17/2013	Drinkard	No	6,601	6,603	2.0	6
10/2/2003	Drinkard	No	6,606	6,610	2.0	10
6/17/2013	Drinkard	No	6,612	6,614	2.0	6
10/2/2003	Drinkard	No	6,622	6,628	2.0	14

### Proposed Perforations

Date	Type	Prop?	Top (ftKB)	Bot (ftKB)	Shot Dens (shots/ft)	Entered Shot Total
	Drinkard	Yes	6,534	6,549	2.0	32
	Drinkard	Yes	6,553	6,558	2.0	12
	Drinkard	Yes	6,561	6,567	2.0	14
	Drinkard	Yes	6,570	6,580	2.0	22
	Drinkard	Yes	6,585	6,591	2.0	14
	Drinkard	Yes	6,600	6,604	2.0	10
	Drinkard	Yes	6,606	6,616	2.0	22
	Drinkard	Yes	6,619	6,621	2.0	6
	Drinkard	Yes	6,622	6,631	2.0	20

### Tubing Strings

Tubing Description	Run Date	String Length (ft)			Set Depth (ftKB)		
Tubing	6/26/2013	6,897.92			6,708.9		
Item Des	Jts	Make	Model	OD (in)	Wt (lb/ft)	Grade	Len (ft)
Tubing Joint(s)	17 1			2 7/8	6.50	J-55	5,554.87
Anchor/Catcher	1			2 7/8			2.70
Tubing Joint(s)	34			2 7/8	6.50	J-55	1,108.75



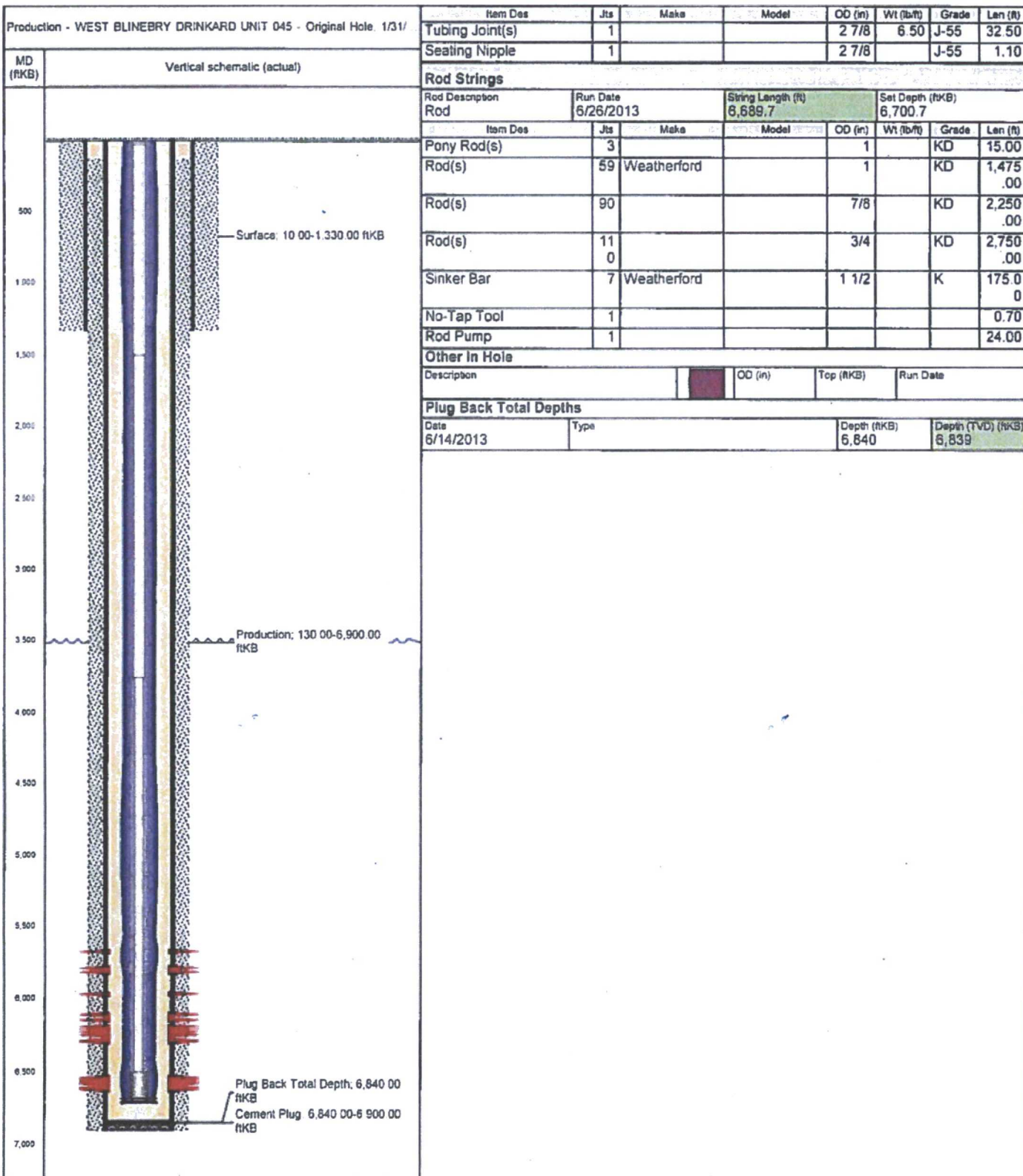


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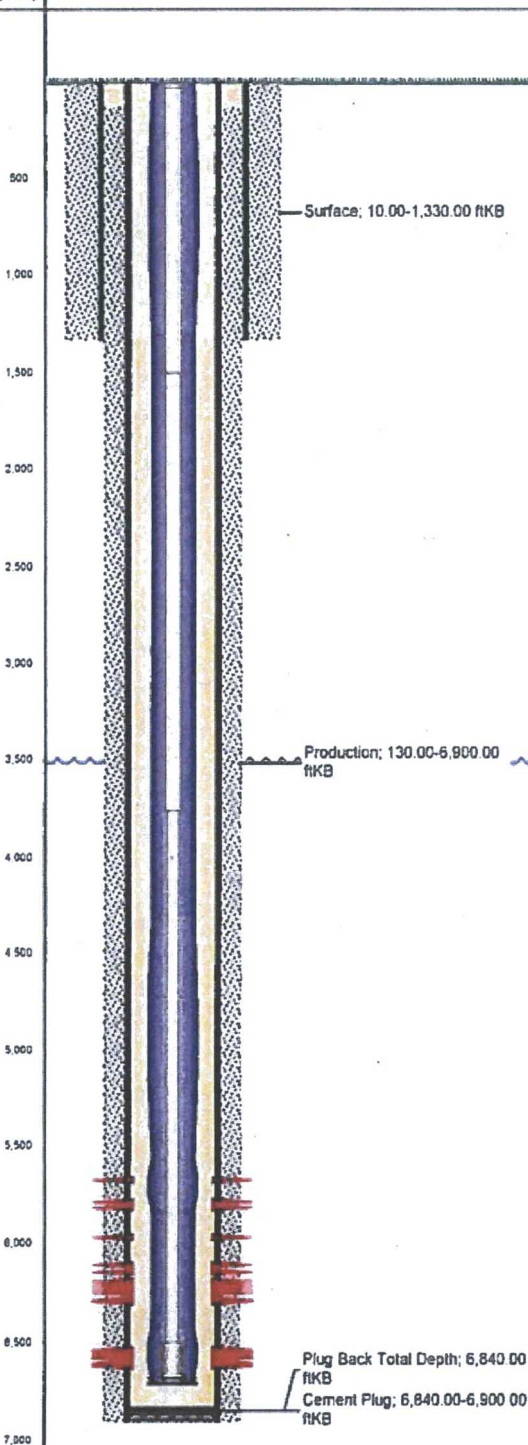
### Comments

#### Comment

Apache Corporation  
Central Region Drilling Dept. - Post Drilling Appraisal Report

MD  
(ftKB)

Vertical schematic (actual)



WELL NAME AFE # SPUD TD  
State C Tract 12 #14T-03-022107/23/03 6,950'  
S Royalty A #19T-03-022008/07/03 6,900'  
Hawk A #19T-03-021508/20/03 6,950'  
S Royalty A #16T-03-021809/02/03 6,900'  
Hawk B #1-34T-03-021609/16/03 6,900'  
NEDU #418T-03-021709/29/03 6,925'  
NEDU #419T-03-021910/11/03 6,900'

Location: Lea County, NM  
Contractor: Capstar Rig # 8  
Contract Footage (\$14 75/ft)  
Formation(s) Drinkard

#### Summary

The State C Tract 12 #14, S. Royalty A #19, Hawk A #19, S Royalty A #16, Hawk B #1-34, NEDU #418 and NEDU #419 wells were drilled to total depths of approximately 6,900' in 15, 13, 14, 15, 13, 12 and 13 days respectively. All of these wells were drilled with the Capstar #8 rig using BJ for cementing and MI for mud. The NEDU #419 was the only well in the package that open hole logs were not run. This was due to having stuck pipe when tripping the bit out of the hole. Logs were not run in order to avoid a presumed tight section. All seven wells were cemented to surface isolating all productive intervals.

#### Economics

The AFE for Dry Hole Costs averaged \$ 234,493 for the seven well package. The field estimated Dry Hole Cost were \$ 221,622 or 94.5% of AFE cost for all the wells. Adjustments were made in cement volumes from initial design estimates for the surface casing, reducing cementing costs for the final four wells an average of \$ 1,963. Logging costs for the S. Royalty A #16, Hawk B #1-34 and NEDU #418 were reduced an average of \$8,108 by not running an RFT logs and eliminating the mud logger. The following is an AFE vs. Actual for each individual well.

#### WELL AFE DHC FIELD DHC AFE/FIELD

State C Tract 12 #14	\$ 225,050	\$ 233,660	103.8%
S Royalty A #19	\$ 227,550	\$ 209,061	91.9%
Hawk A #19	\$ 228,350	\$ 212,838	93.2%
S Royalty A #16	\$ 277,050	\$ 279,548	100.9%
Hawk B #1-34	\$ 227,550	\$ 202,959	89.2%
NEDU #418	\$ 227,950	\$ 203,956	89.5%