

District I  
1625 N French Dr, Hobbs, NM 88240

HOBBS OGD

Energy, Minerals and Natural Resources

June 19, 2008

District II  
1301 W Grand Ave, Artesia, NM 88212

OCT 23 2012

CONSERVATION DIVISION

District III  
1000 Rio Brazos Rd, Aztec, NM 87410

1220 South St. Francis Dr.

District IV  
1220 S St Francis Dr, Santa Fe, NM 87505

RECEIVED

Santa Fe, NM 87505

WELL API NO. 30-025-39563
5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No. A0-3071
7. Lease Name or Unit Agreement Name Hansen State
8. Well Number 012
9. OGRID Number 873
10. Pool name or Wildcat Monument; Abo, Southeast (96764)

**SUNDRY NOTICES AND REPORTS ON WELLS**  
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS)

1. Type of Well:  Oil Well  Gas Well  Other:

2. Name of Operator  
Apache Corporation

3. Address of Operator  
303 Veterans Airpark Lane, Suite 3000 Midland, TX 79705

4. Well Location  
Unit Letter H : 1650 feet from the North line and 330 feet from the East line  
Section 16 Township 20S Range 37E NMPM County Lea

11. Elevation (Show whether DR, RKB, RT, GR, etc.)  
3547' GR

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

<b>NOTICE OF INTENTION TO:</b>		<b>SUBSEQUENT REPORT OF:</b>	
PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPNS <input type="checkbox"/>	P AND A <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	MULTIPLE COMPL <input type="checkbox"/>	CASING/CEMENT JOB <input type="checkbox"/>	
DOWNHOLE COMMINGLE <input type="checkbox"/>			
OTHER Run Liner <input checked="" type="checkbox"/>		OTHER: <input type="checkbox"/>	

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

Apache would like to run a 4" liner to seal off a casing leak per the attached procedure.

Spud Date:  Rig Release Date:

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE  TITLE Regulatory Tech I DATE 10/19/2012

Type or print name Fatima Vasquez E-mail address: Fatima.Vasquez@apachecorp.com PHONE: (432) 818-1015

For State Use Only

APPROVED BY:  TITLE DIST. MGR DATE 10-25-2012

Conditions of Approval (if any):

OCT 25 2012

Hansen State #12  
API # 30-025-39563  
Sec 16, T20S, R37E  
Elevation: 3558' KB, 3547' GL  
TD: 7,700'  
PBTD: 6,908'

Casing Record:       13-3/8" 48# J-55 @ 1075' w/ 1010 sxs  
                          8-5/8" 32# J-55 @ 4190' w/ 1535 sxs  
                          5-1/2" 17# J-55 @ 7,700' w/ 908 sxs

Perfs:                Tubb: 6354; 56; 60; 90; 6416; 18; 20; 32; 35; 37; 40; 56; 63; 67; 72; 76; 89; 92; 94; 96; 6507;  
                          11; 16; 23; 26; 28; 30; 44; 46 (30 Holes).  
                          Drinkard: 6690-92; 6740-42; 6790-92 (24 Holes).

Objective: Run a 4" Liner to seal off casing leak

AFE: PA-12-3694

1. MIRU unit. Kill well as necessary. Unload and rack 2-3/8" tubing with turned down collars to be used as WS and production tubing.
2. RIH w/ 2-3/8" tubing to CIBP @ 6,275'. Dump 30' sand on top of CIBP. POOH.
3. MIRU casing crew. RIH w/ 4" J-55 casing with rite-wrapped section from 4400'-5200' and tag top of sand at ± 6,245'. Fill casing while RIH. Pick up 10' and set casing.
4. MIRU cement crew. Break circulation and pump cement job per recommendations. SD. RDMO Service Company. Land casing in slips and make final cut. WOC for 8 hrs.
5. RIH w/ 3-3/8" bit on 2-3/8" tubing and tag cement. RU reverse unit and drill out cement shoe. Continue in hole and tag sand. Wash sand to CIBP. Circulate 2% KCL in hole. Drill out CIBP and continue to PBTD at 6908'. Circulate bottoms up. POOH.
6. RIH w/ production equipment per Monument office specifications.
7. RDMOPU. Return well to production and place into test for 10 days.

GL=3547'  
 KB=3558'  
 Spud:10/5/2010

# Apache Corporation – Hansen State #12

## Wellbore Diagram – Proposed

Date : 9/21/2012  
 R. Taylor

API: 30-025-39563

### Surface Location



1650' FNL & 330' FEL,  
 Lot H Sec 16, T20S, R37E, Lea County, NM

**Surface Casing**  
 13-3/8" 48# J-55 @ 1075' w/ 1010 sxs to surface

**Intermediate Casing**  
 8-5/8" 32# @ 4190' w/ 1535 sxs to surface

DV Tool @ 3290'

TAC @ TBD'  
 SN @ TBD'

TOC @ 4500'

DV Tool @ 4137'

9/11: CBL indicates poor cmt from 4500-5200; NO CMT from 4110-4500'

9/11: CSG Leak @ 4780-5001'. Sqz'd w/ 2000 sxs cmt.

4/12: CSG leak from 4944'-4976'. Sq'd w/8 SXS CMT

5/12: CSG leak from 4166'-5100'

9/12: CSG leak from 4750-4938'

5/12: Perf LWR Paddock @ 5304-10; 5331-43; 5384-86; 5410-13; 5418-21; 5428-31; 5438-42; 5448-51; 5470-74; 5485-98 w/ 2 jspf (106 holes). Acidize w/ 5000 gal 15% HCL  
 6/12: Sq'd w/375 sx Class C cmt

9/12: 4" J-55 liner w/ rite wrap from 4400-5200 set at 6275 w/ XXX sxs to surface

6/11: Perf TUBB @ 6354; 56; 60; 90; 6416; 18; 20; 32; 35; 37; 40; 56; 63; 67; 72; 76; 89; 92; 94; 96; 6507; 11; 16; 23; 26; 28; 30; 44; 46 w/ 1 jspf (30 holes).  
 Acidized w/ 3000 gal 15% NEFE. Frac'd w/ 41.6k gal BF 30 w/ 80k# ottowa, 20k# SLC

5/12: Perf Drinkard @ 6690-92; 6740-42; 6790-92 w/4 jspf (24 holes).  
 Acidize w/2000 gal 15% HCL. Frac w/ 10k gal spectra frac, 26k# 20/40 ottowa & 4k# 20/40 SLC

5/12: CIBP SET @ 6908' w/4 sxs cmt

2/11: Perf Abo @ 6928-32; 6966-74; 6980-88; 7000-04; 7024-32 w/ 2 jspf (64 holes).  
 Acidized w/ 2000 gal 15% NEFE

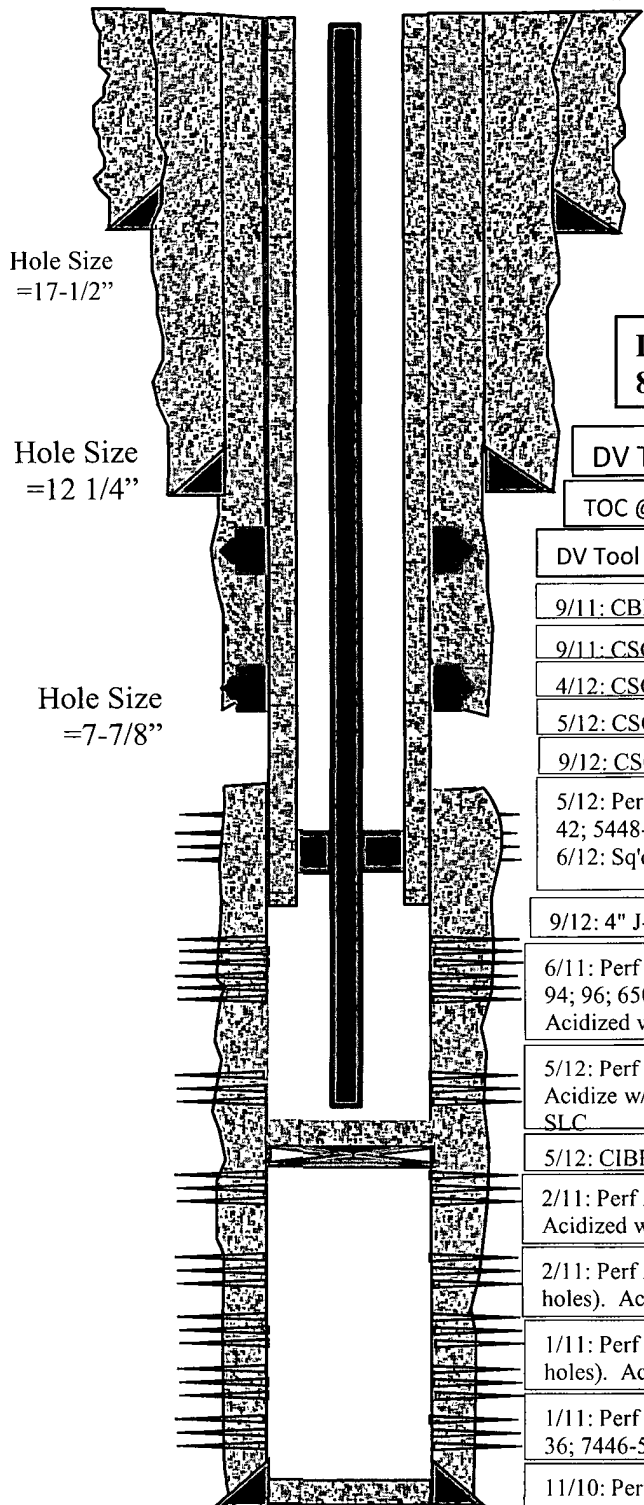
2/11: Perf Abo @ 7050-64; 7070-94; 7100-16; 7120-24; 7136-42; 7160-70 w/ 2 jspf. (148 holes).  
 Acidized w/ 3700 gal 15% NEFE

1/11: Perf Abo @ 7190-94; 7222-26; 7250-56; 7254-68; 7288-96; 7306-10 w/ 2 JSPF (90 holes).  
 Acidized w/ 1500 gal 15% NEFE

1/11: Perf Abo @ 7340-46; 7350-60; 7366-70; 7382-86; 7392-96; 7400-06; 7418-22; 7432-36; 7446-50; 7462-76 w/ 2 JSPF (120 holes).  
 Acidized w/ 3000 gal 15% NEFE

11/10: Perf Abo @ 7526-32; 7535-37; 7562-66; 7574-84; 7588-92; 7596-7600; 7606-10 w/ 2 JSPF (72 holes).  
 Acidized w/ 2000 gal 15% NEFE

**Production Casing**  
 5-1/2" 17# J-55 @ 7700' w/ 908 sxs



PBTD = 7,630'  
 MD = 7,700'