

WELL LOGS

K₂

API number: 30-025-38686			
OGRID:	Operator: APACHE CORP		
	Property: HARDY	#	4

surface

ULSTR:	N	17	T	21S	R	37E
		450	FSL	1650	FWL	

BH Loc

ULSTR:	N	17	T	21S	R	37E
		450	FSL	1650	FWL	

Ground Level:	3495	DF:	NA	KB:	NA	
Datum:	GL			TD:	4525	

Land: **STATE**

Completion Date: (1)	8/6/2008
Date Logs Received:	7/30/2008
Date Logs Due in: (2)	

Confidential:	NO			Date out:		
---------------	-----------	--	--	-----------	--	--

Confidential period: 90 Days for State & Fee, 1 Year for federal
 Date Due In: (1) is equal to Completion Date (1) + 20 days

Logs	Depth interval		
DSN/SDL	3195	4517	Spectral Density Dual Spaced Neutron
DLL/MGRD	3195	4517	Dual Laterolog Micro Guard Log
	1240	4517	Borehole Volume Calculations

K₂

OCD TOPS

Rustler	1243	Strawn	
Tansill	2483	Atoka	
Yates	2656	Morrow	
7R	2882		
T. Bowers Sd			
B. Bowers Sd			
Queen	3418		
Penrose	3530		
Grayburg	3986		
San Andres			
Glorieta			
Tubb			
Drinkard			
Abo			
Wolfcamp			

Submit 3 Copies To Appropriate District Office
 District I
 1625 N. French Dr., Hobbs, NM 88240
 District II
 1301 W. Grand Ave., Artesia, NM 88210
 District III
 1000 Rio Brazos Rd., Aztec, NM 87410
 District IV
 1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
 Energy, Minerals and Natural Resources

Form C-103
 May 27, 2004

OIL CONSERVATION DIVISION
 1220 South St. Francis Dr.
 Santa Fe, NM 87505

WELL API NO.	30-025-38686
5. Indicate Type of Lease	STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>
6. State Oil & Gas Lease No.	NA
7. Lease Name or Unit Agreement Name	Hardy
8. Well Number	004
9. OGRID Number	00873
10. Pool name or Wildcat	Penrose Skelly; Grayburg

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
 6120 S Yale Ave, Suite 1500
 Tulsa, OK 74136-4224

4. Well Location
 Unit Letter N : 450 feet from the South line and 1650 feet from the West line
 Section 17 Township 21S Range 37E NMPM County/Lea

11. Elevation (Show whether DR, RKB, RT, GR, etc.)
 3495' GR

Pit or Below-grade Tank Application or Closure

Pit type _____ Depth to Groundwater _____ Distance from nearest fresh water well _____ Distance from nearest surface water _____

Pit Liner Thickness: _____ mil Below-Grade Tank: Volume _____ bbls; Construction Material _____

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

NOTICE OF INTENTION TO:

- PERFORM REMEDIAL WORK PLUG AND ABANDON
 TEMPORARILY ABANDON CHANGE PLANS
 PULL OR ALTER CASING MULTIPLE COMPL

OTHER:

SUBSEQUENT REPORT OF:

- REMEDIAL WORK ALTERING CASING
 COMMENCE DRILLING OPNS. P AND A
 CASING/CEMENT JOB

OTHER: Completion Procedure

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.

07/31/08 PERF GRAYBURG @ 3764-70, 3821-29, 3876-84, 3934-46' W/ 2 JSPF FOR A TOTAL OF 72 HOLES
 08/01/08 ACID GRAYBURG W/ 3000 GALS 15% HCL
 08/04/08 FRAC GRAYBURG W/ 42.5 GALS SS-30 AND 100K # 20/40 SAND
 08/04/08 RIH W/ PRODUCTION TBG TO 4046'
 08/05/08 PU PUMP AND RIH W/ RODS
 08/06/08 SET 456 PUMPING UNIT. PLACE ON PRODUCTION GRAYBURG.

RECEIVED
 HOBBS UCI

I hereby certify that the information above is true and complete to the best of my knowledge and belief. I further certify that any pit or below-grade tank has been/will be constructed or closed according to NMOCD guidelines , a general permit or an (attached) alternative OCD-approved plan .

SIGNATURE Sophie Mackay TITLE Engineering Tech DATE 08/25/2008

Type or print name Sophie Mackay E-mail address: sophie.mackay@apachecorp.com telephone No. (918)491-4864

For State Use Only
 APPROVED BY: [Signature] TITLE PETROLEUM ENGINEER DATE SEP 11 2008
 Conditions of Approval (if any): _____

Apache Corporation
6120 S. Yale Ste 1500
Tulsa, OK 74136

HARDY #4
Lea County, New Mexico

30-025-38686

N - 17-215-37e
450/S & 1650/W

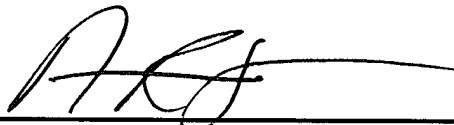
RECEIVED

AUG 27 2008

HOBBS OCD

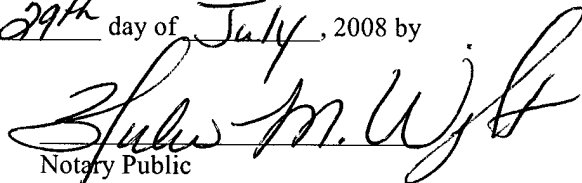
449	4.49	1/2	0.88	3.93	3.93
709	2.60	1/4	0.44	1.14	5.07
1180	4.71	1/2	0.88	4.12	9.19
1223	0.43	1	1.75	0.75	9.94
1744	5.21	1/2	0.88	4.56	14.50
2087	3.43	3/4	1.31	4.50	19.00
2387	3.00	1 1/4	2.19	6.56	25.56
2815	4.28	1 1/2	2.63	11.24	36.80
3244	4.29	1 1/2	2.63	11.26	48.06
3715	4.71	1	1.75	8.24	56.30
4228	5.13	1	1.75	8.98	65.28
4511	2.83	1 1/2	2.63	7.43	72.71




 Archie Brown - General Manager



The attached instrument was acknowledged before me on the 29th day of July, 2008 by
 Archie Brown - General Manager, CapStar Drilling, L.P.


 Notary Public