

Submit 1 Copy To Appropriate District Office

District I - (575) 393-6161
1625 N. French Dr., Hobbs, NM 88240
District II - (575) 748-1283
811 S. First St., Artesia, NM 88210
District III - (505) 334-6178
1000 Rio Brazos Rd., Aztec, NM 87410
District IV - (505) 476-3460
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources

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

Form C-103
Revised July 18, 2013

WELL API NO. 30-025-38004
5. Indicate Type of Lease STATE ☐ FEE ☒
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name D C Hardy [16814]
8. Well Number 009
9. OGRID Number 873
10. Pool name or Wildcat BliO&G(6660)/TubbO&G(60240)/Drkd(19190)

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 1000 Midland, TX 79705	
4. Well Location Unit Letter <u>O</u> : <u>410</u> feet from the <u>South</u> line and <u>2310</u> feet from the <u>East</u> line Section <u>20</u> Township <u>21S</u> Range <u>37E</u> NMPM County <u>Lea</u>	
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3484' GL	

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

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK ☒	PLUG AND ABANDON ☐	REMEDIAL WORK ☐	ALTERING CASING ☐
TEMPORARILY ABANDON ☐	CHANGE PLANS ☐	COMMENCE DRILLING OPNS. ☐	P AND A ☐
PULL OR ALTER CASING ☐	MULTIPLE COMPL ☐	CASING/CEMENT JOB ☐	
DOWNHOLE COMMINGLE ☐			
CLOSED-LOOP SYSTEM ☐			
OTHER: ☐		OTHER: ☐	

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 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

Apache would like to add pay and acidize, per the attached procedure and supporting WBD's.

Spud Date:

8/5/2006

Rig Release Date:

8/15/2006

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

SIGNATURE

Reesa Fisher

TITLE Sr. Staff Reg Analyst

DATE 11/22/2016

Type or print name Reesa Fisher

E-mail address: Reesa.Fisher@apachecorp.com

PHONE: (432) 818-1062

For State Use Only

APPROVED BY:

Mary Brown

TITLE

Dist Supervisor

DATE

11/28/2016

Conditions of Approval (if any):

DC Hardy #9 (30-025-38004)

AFE: TBD

Work Objective: Add Pay in and Selectively Acidize Blinebry, Tubb, and Drinkard

Day 1: RU SU. POOH w/pump and rods.

NOTE: If paraffin is encountered, DO NOT hot water down tubing. Attempt to swab paraffin out of tubing and strip out if necessary. If problems encountered, discuss with Midland engineering. A diesel cleanup may be necessary.

NU BOP. POOH w/tubing. Note scale and paraffin deposits as well as location of deposits on report. Notify Midland engineering of type and amount of scale encountered as soon as tubing is pulled.

Day 2: PU 2-7/8" workstring, bit and scraper. RIH to $\pm 6828'$ and tag for fill. POOH.

MIRU WL Unit. Perforate as follows w/2 SPF and 180 degree phasing:

*NOTE: Perfs below are based on the Dual Spaced Neutron Spectral Density log ran 8/16/2006.

Blinebry

5580' – 5592'

5627' – 5631'

5824' – 5827'

5852' – 5857'

5902' – 5908'

6071' – 6076'

6100' – 6104'

Tubb

6150' – 6160'

6190' – 6210'

6244' – 6262'

6294' – 6307'

Drinkard

6555' – 6574'

6598' – 6601'

6608' – 6613'

6625' – 6641'

6658' – 6672'

6678' – 6694'

RIH w/RBP and packer. Set RBP @ $\pm 6750'$ and packer @ 6500'. Acidize Drinkard w/3500 gals 15% NEFE HCl and rock salt. Record ISIP, 5 min, 10 min, and 15 min shut-in pressures.

Release packer. RIH and latch RBP. Release RBP and pick up hole. Set RBP @ $\pm 6350'$. Set packer @ 6170'. Acidize Tubb w/2500 gals 15% NEFE HCl acid and rock salt. Record ISIP, 5 min, 10 min, and 15 min shut-in pressures.

Day 3: Release packer. RIH and latch RBP. Release RBP and pick up hole. Set RBP @ 6170'. Set packer @ 5975'. Acidize Lower Blinebry w/2000 gals NEFE HCl acid and rock salt. Record ISIP, 5 min, 10 min, and 15 min shut-in pressures.

Release packer. RIH and latch RBP. Release RBP and pick up hole. Set RBP @ 5975'. Set packer @ 5725'. Acidize Middle Blinebry w/2000 gals NEFE HCl acid and rock salt. Record ISIP, 5 min, 10 min, and 15 min shut-in pressures.

Release packer. RIH and latch RBP. Release RBP and pick up hole. Set RBP @ 5675'. Set packer @ 5525'. Acidize Upper Blinebry w/2000 gals NEFE HCl acid and rock salt. Record ISIP, 5 min, 10 min, and 15 min shut-in pressures.

Release packer. RIH and latch RBP. Release RBP and POOH w/packer and RBP.

Day 4: Finish POOH w/workstring. Test in hole w/2-7/8" tubing. RIH w/pump and rods. POP.

CURRENT

WELL DATA SHEET

Last Update: 4-1-13

Lease Name: DC Hardy #9

API No: 30-025-38004

Location: 410°S/2310°E
Unit 0, Sec 20, T-21S, R-37E

County: Lea ST: NM

Spud Date: 8-5-06 Well Elev: 3484' GL 11' KB

TD Date: 8-15-06 Completion Date: 10-9-06

TD: 6875' PBTD: 6828' TOC: 70' (CBL)

Csg Size: 8 5/8" Wt: 24" Grd: J-55 Dpth: 1246' Cmt: 650 sx (Circ)

Producing Formation: Blinebry/Tubb/Drinkard

Perfs: From 5590' to 6040' 4/spf 6580' to 6698' -2 spf

6104' to 6276' 2/spf _____ to _____

IP: _____ BOPD _____ BWPD _____ MCF/D

Well History: (See Attached)

Blinebry

5590,
5606, 16, 48, 51,
5756, 58, 60, 96,
5807

5892, 94, 96, 5937,
6003, 04, 05, 06,
6014, 17, 36, 40

Tubb

6104, 06, 08, 09,
6126, 28, 30, 59,
6191, 93,
6200, 06, 25, 45,
6247, 49, 53, 60,
6268, 72, 74, 76

Drinkard

6580-84'
6616-20'
6654-58'
6694-95'

Well Equipment:

Pumping Unit: 640 PU

Motor Type: _____ HP: _____ POC: _____

Tbg: 207 Jts 2 7/8" Size 6.5" Grade J-55

MA @ _____ SN @ 6742' TAC @ 5503 (12-28-12)

Rods: 70-1" KD + 79-7/8" KD + 117-3/4" KD

Pump: 2" x 1 1/2" x 24" RHDM (12-28-12)

6828'

TD: 6875'

Csg Size: 5 1/2" Wt: 17" Grd: J-55 Dpth: 6875' Cmt: 1150 sx

PROPOSED

Apache Corporation

Work Objective _____

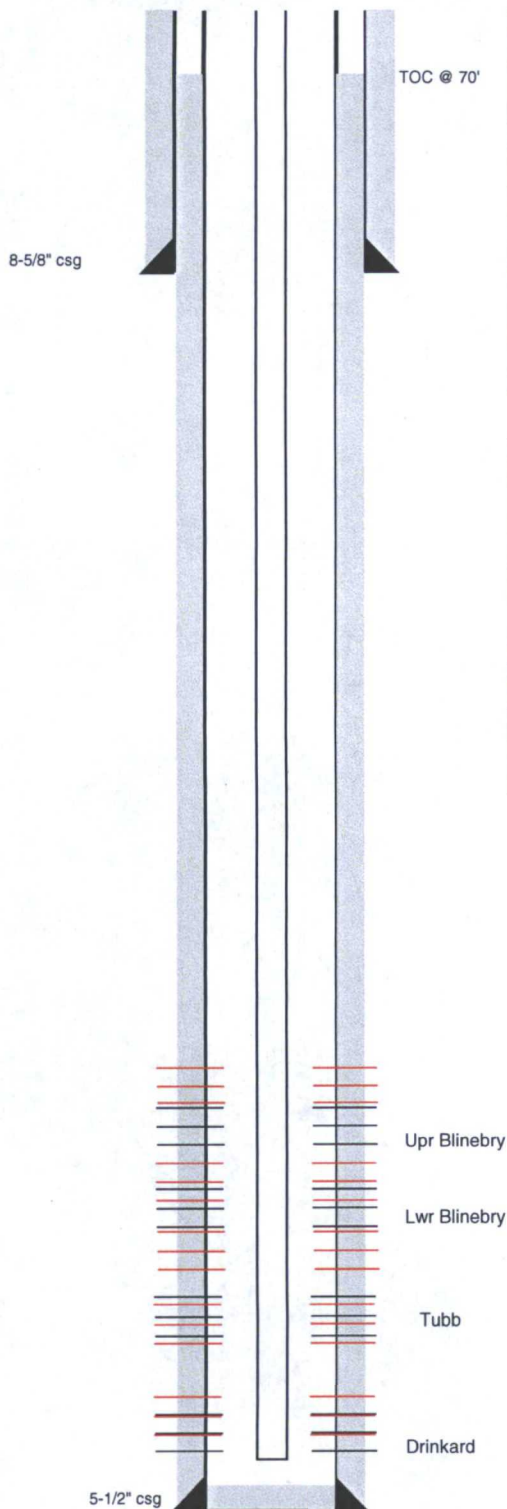
Region Office Permian / Midland
District /Field Office NW / Eunice South
AFE Type _____

Start Date	TBD	End Date	TBD
Lease	DC Hardy	KB	12'
Well Name	DC Hardy	Well No.	#9
Field	Eunice Area	TD @	6875'
County	Lea	PBTD @	6828'
State	New Mexico	ETD @	N/A
AFE #	TBD	API #	30-025-38004
Gross AFE	TBD	Spud Date	8/5/2006
Apache WI	100.000000%	Comp. Date	10/9/2006

Description	O.D.	Grade	Weight	Depth	Cmt Sx	TOC
Surface Csg	8-5/8"	J-55	24#	1246'	650	Circulated to surface
Inter Csg						
Prod Csg	5-1/2"	J-55 & L-80	17#	6875'	1150	70' CBL
Casing Liner						

Date	Zone	Actual Perforations	JSPF	Total Perfs
10/4/2006	Drinkard	6580'-84', 6616'-20', 6654'-58', 6694'-98'	2	
2/25/2010	Tubb	6104', 06', 08', 09', 6126', 28', 30', 59', 6191', 93', 6200', 06', 25', 45', 6247', 49', 53', 60', 6268', 72', 74', 76'	2	
3/2/2010	Lwr Blinebry	5892', 94', 96', 5937', 6003', 04', 05', 06', 14', 17', 36' & 40'	4	
3/3/2010	Upr Blinebry	5590', 5606', 16', 48', 51', 5756', 58', 60', 96', 5807'	4	
TBD	Zone	Proposed Perforations	JSPF	
TBD	Blinebry	5580' - 5592', 5627' - 5631', 5824' - 5827', 5852' - 5857', 5902' - 5908', 6071' - 6076', 6100' - 6104'	2	
TBD	Tubb	6150' - 6160', 6190' - 6210', 6244' - 6262', 6294' - 6307'	2	
TBD	Drinkard	6555' - 6574', 6598' - 6601', 6608' - 6613', 6625' - 6641', 6658' - 6672', 6678' - 6694'	2	

Date	Zone	Stimulation / Producing Interval	Amount
10/4/2006	Drinkard	Acid Drinkard w/2000 gals 15% HCL. 5 BPM @ 2400 psi. ISIP = 700 psi. Rel pkr & POOH	
10/5/2006	Drinkard	Frac Drinkard w/62,000# 20/40 SLC sd. 39 BPM @ 3500 psi. ISIP = 3350 psi.	
2/26/2010	Tubb	Acid Tubb w/3000 gals 15% HCL. 6.8 BPM @ 2700 psi. ISIP = 1520 psi. rel pkr & POOH.	
3/1/2010	Tubb	Frac Tubb w/25,000# 20/40 SLC sd. 49 BPM @ 2100 psi. ISIP = 1790 psi.	
	Zone	Proposed Stimulation / Producing Interval	
TBD	Drinkard	Acidize Drinkard w/3500 gals 15% NEFE HCl and rock salt.	
TBD	Tubb	Acidize Tubb w/2500 gals 15% NEFE HCl acid and rock salt.	
TBD	Lwr Blinebry	Acidize Lower Blinebry w/2000 gals NEFE HCl acid and rock salt.	
TBD	Mid Blinebry	Acidize Middle Blinebry w/2000 gals NEFE HCl and rock salt.	
TBD	Upr Blinebry	Acidize Upper Blinebry w/2000 gals NEFE HCl and rock salt.	



Apache Representative _____

Apache Engineer _____

Contract Rig/Number _____

Operator _____