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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 i States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.	Title 18 U.S.C. Sect	tion 1001 and 7	Title 43 U.S.C. Section 1212,	nake it a crime for any pers	on knowingly and willfu	lly to make to any department	or agency of the Unit

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Matador Operating Company

Red Hills SWD #1 Lea Co., NM

30-025-35598 Sec 28, T25S, R33E

- 07/17/01 Backhoe leveled the location.
- 07/20/01 Contractor moved 2 750 bbls fiberglass tanks from the Cooper 3 #6. Roustabout crew and backhoe built tank pad and set tanks.
- 08/01/01 Roustabout crew plumbed casing valves to surface. Backhoe filled in cellar. MIRUPU.
- 08/02/01 Received 228 joints 2-3/8" EUE 8rd N-80 work string. Installed BOP. RIH with bit, casing scrapper and 199 joints tubing. Tagged up at 6314.40' KB. POH with 20 joints tubing. SWI, SDON.
- 08/06/01 POH with tubing. RIH with 4-3/4" bit, 5-1/2" casing scrapper, 4 3-1/2" DC and tubing. Drilling cement from 6314' to 6456' KB. Circulate hole clean. Laid down 12 joints tubing. POH with tubing and tools. SWI, SDON.
- 08/07/01 RU Baker Atlas. Ran CBL, CCL with 1500 psi. CBL showed good cement from **PBTD** at 6449 to 3350', poor cement from 3350-1958. TOC at 1958'. **Perforate** Delaware from 6290-6300, 6200-10, 6240-60, 6168-78, 6126-36. All guns 3-3/8" 6 SPF. SWI, SDON.
- 08/08/01 Perforate Delaware from 6094-6104, 6044-64, 6014-24, 5974-84. Shot from 5954-64 did not shoot. Pull gun, recap and perforate 5954-64. Shot 5914-24, 5850-60. Recap perforating: 5850-60, 5914-24, 5954-64, 5974-84, 6014-24, 6044-64, 6094-6104, 6126-36, 6168-78, 6200-10, 6240-60, 6290-6300. All perforating with 3-3/8" expendable casing guns, 32 gram, .47 entry hole, 36.5" depth. Total of 840 holes. RD Baker wireline. RIH with mech collar locator, 5-1/2" single grip Mod R, 2 2-3/8" tubing subs, 5-1/2" Stradda-set packer, fluid control valve and 182 joints 2-3/8" tubing. SWI, SDON.
- 08/09/01 RU Schlumberger. RIH with tubing and set packer at 5816'. Test lines to 6000 psi. RIH with tubing. Located collar at 6321. Located zone 1, spot acid to packer. Treat zone 1 -(6290-6300) max pressure 2600 with formation breaking to 1181. After 4.5 bbls away, perfs communicated. Closed annulus with increase to 700 psi. ISIP 650 at 1 BPM. Treat zone 2 (6240-60). Direct communication. Tubing max 934, casing 650 annulus at 1 BMP. ISIP 695. Treat zone 3 (6200-10) at 2 BPM, tubing 1395, annulus 741 psi. ISIP 668. Treat zone 4 (6168-78). Perfs communicated pumping 2 BPM, tubing 1300 psi, casing 714 psi. ISIP 750. Pulled tools above perfs and tested to 3000 psi - ok. RIH locating collar at 6157'. Treat zone 5 (6126-36). Pumped 2 BPM at 1172 max. ISIP 645 psi. This zone did not communicate. Treat zone 6 (6094-6104). Pumped 2 BPM at tubing 1158 and annulus 677 psi. ISIP 650 psi. Treat zone 7 (6044-64). Pressured tubing to 4800 psi with zone not breaking. Release tools and pumped 2 bbls. Reset tools, pressured tubing to 5000 psi. Formation would not break. Moved to zone 8 (6014-24). Pumped 2 BPM, tubing 1103, annulus 654. ISIP 618. Located collar at 6028. Move back to zone 7. Attempted to treat with tubing pressure increasing to 4900 psi. Formation did not bleed off. Moved to zone 9 (5974-84) Pumped 2 BPM, tubing 1185, annulus 572 with communication. ISIP 572. Treat zone 10 (5954-64). Pumped 2 BPM, tubing 1163 psi, annulus 650 with communication. ISIP 730. Treat zone 11 (5914-24). Pumped 2 BPM, tubing 1153, annulus 631. ISIP 700. Treat zone 12 (5850-60). Pumped 2 BPM, 1199 max pressure. Annulus open with no flow. ISIP 570. Reversed circulated hole with 130 bbls 4% CKL. Pulled 2 joints and set tools at 5816'. RIH with sand line and fished fluid control valve. LWOT pit. Pumped a total of 92 bbls 7-1/2% Schlumberger Matrix with drilling damage removal additives. Each 10' zone took 6 bbls, 20' zone 12 bbls and extra acid in last 3 zones. Extra acid was received and Zone 7 did not take any acid. All flush water for acid job was 4% KCL. TLTR 114 (92 acid + 22 flush).

Matador Operating Company

Red Hills SWD #1 Lea Co., NM

30-025-35598 Sec 28, T25S, R33E

- 08/10/01 Well is open to pit and slightly flowing. IFL surface. Made 29 runs, recovered 203 bbls. EFL 3700'. During a 15 minute pause in swabbing, the FL rose to 2300'. No hydrocarbon. LWOTP. SDON.
- 08/11/01 Well is open to pit. IFL 600. Made 16 swab runs, recovered 112 bbls. EFL 3700'. LWOTP. SDON.

08/13/01 IFL at 600'. Made 13 runs, recovered 91 BW. Sent water to lab to perform compatibility test with Devonian water. EFL at 3700'. Performed injection test. Load tubing with 8 bbls.

Bbls/min	psi	bbls
1.0	200	10
2.0	600	15
3.1	1100	15
4.0	1500	15
5.0	2000	20
SD truck for	r repair, back o	n at
3	1000	35
ISIP 500#, 5	5 minute 250#.	Bled press

ISIP 500#, 5 minute 250#. Bled pressure to pit. Release packer. POH. LD work string and tools.

08/14/01 Received 187 joints 2-7/8" EUE 8rd J-55 internally coated with TK-70. Cleaned and inspected tubing. Found 6 bad joints. Loaded 2-3/8" work string and hauled to Knight Oil Tools. RIH with 6' coated (in and out) 2-7/8 sub, 5-1/2" x 2-7/8" Arrowset 1X nickel coated (in and out) plastic coated internally and 181 joints ditto tubing. Reversed 140 bbls 2% KCL containing 110 gals Pro Kem packer fluid and 02 scav. Set packer, pack off with 30 points pull and compression. Tested 2-7/8" x 5-1/2" annulus to 500 psi - ok. ND BOP, install Cameron installed Cactus T-40 extended neck SS hanger. Hanger has 2-7/8" EUE 8rd (top and bottom), 2-1/2" type H back pressure threads in middle and packed off seal on the outside. Landed hanger in tubing head with 18 points compression on packer. Installed 7-1/16" 3K flange with metal to metal and O rings seal to T-40 adapter. Tested wrap around and RX 45-46 ring gasket to 3000 psi - ok. The top side on flange has 2-9/16" 5K with WKM model M 2-9/16" valve. Valve has CO2 and H2S trim. Connecting flange is 2-9/16" 5K X EUE 8rd thread LWOTP, SDON. Tubing Detail:

2-7/8" EUE 8rd 6.5# PC (in and out) Sub	6.20
5-1/2" x 2-7/8" Arrowset 1X packer nickel coated	
in and out PC inside 14-17#	6.93
2-7/8" EUE 8rd 6.5# J-55 IPC with TK-40	5726.44
total tubing and tools	5739.57
KB adjustment	12.00
EOT	5751.57
	 5-1/2" x 2-7/8" Arrowset 1X packer nickel coated in and out PC inside 14-17# 2-7/8" EUE 8rd 6.5# J-55 IPC with TK-40 total tubing and tools KB adjustment

- 08/15/01 Performed pressure integrity test on tubing/casing annulus. Pressured annulus to 370 psi. Held for 15 minutes. Buddy Hill with the OCD witnessed test. Mr. Hill took chart to his office. RDMOPU.
- 08/16/01 Working on battery.
- 08/17/01 Contractor laid 1-1/2 miles of SDR-7 poly line. Line was laid from the Red Hills #4 to the Red Hills #1 SWD.

Matador Operating Company

Red Hills SWD #1 Lea Co., NM

30-025-35598 Sec 28, T25S, R33E

08/20/01	Working on battery			
08/22/01	Roustabout crew plumbing tanks.			
08/23/01	Roustabout crew continued to plumb tanks. Setting pump 08/24/01.			
08/24/01	Electrician hooked up centrifugal pump. Roustabout crew plumbing discharge and suction lines to pump.			
08/27/01	Finish plumbing centrifugal pump to well. Set triplex pump.			
08/28/01	Roustabout crew connecting Triplex pump.			
08/29/01	Roustabout crew connecting Triplex pump.			
08/30/01	Roustabout crew connecting Triplex pump.			
08/31/01	Electricians installed new temporary size 5 panel for the triplex pump. MI 225KVA generator. Connected panel for operation. Started pump with 3556 BPD rate at 625 psi on the tubing. Shipping all water from Red Hills #4 as of Friday afternoon.			
09/01/01	650 TP. Injected 1631 BW.			
09/02/01	600 TP. Injected 1493 BW.			
09/03/01	400 TP. Injected 1310 BW.			
09/04/01	250 TP. Injected 1780 BW. Electricians and roustabout crew set control panel for Triplex pump.			
09/05/01	250 TP. Injected 473 BW. Electricians ran lines for the final installation of the Triplex pump.			
09/06/01	650 TP. Injected 2393 BW. Electricians plumbed in control panel for Triplex pump with shut down system and alarm system.			
09/07/01	350 TP. Injected 505 BW.			
09/08/01	350 TP. Injected 1043 BW.			
09/09/01	350 TP. Injected 1205 BW.			
09/10/01	640 TP. Injected 1172 BW.			
09/11/01	630 TP. Injected 1024 BW.			
09/12/01	400 TP. Injected 1119 BW.			
09/13/01	400 TP. Injected 1242 BW.			
09/14/01	450 TP, Injected 1249 BW			
09/15/01	650 TP. Injected 1034 BW.			
09/16/01	400 TP. Injected 1157 BW			
09/17/01	450 TP. Injected 1249 BW.			
09/18/01	450 TP. Injected 1254 BW			
09/19/01	650 TP. Injected 1006 BW			

