

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

N.M. Cons. Division
1625 N. French Dr.
Hobbs, NM 88240

FORM APPROVED
2000 No. 1004-0135
Expires November 30, 2000

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.

SUBMIT IN TRIPLICATE - Other instructions on reverse side

1. Type of Well
☐ Oil Well ☐ Gas Well ☒ Other SWD

2. Name of Operator
Matador Operating Company

3a. Address
310 W. Wall, Ste 906 Midland, TX 79703

3b. Phone No. (include area code)
915-687-5955

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
660' FSL & 660' FWL
Sec. 28, T25S, R33E

5. Lease Serial No.
NM 43562

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

8. Well Name and No.
Red Hills SWD #1

9. API Well No.
30-025-35598

10. Field and Pool, or Exploratory Area
SWD; Delaware

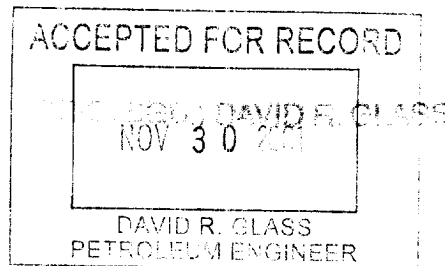
11. County or Parish, State
Lea County, NM

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

TYPE OF SUBMISSION	TYPE OF ACTION			
<input 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 checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<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 <u>Completion</u>
	<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 recompleat 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 shall 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 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

See Attachment



14. I hereby certify that the foregoing is true and correct
Name (Printed/Typed)

Russ Mathis

Title Production Manager

Signature

Russ Mathis

Date

11-28-01

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

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.

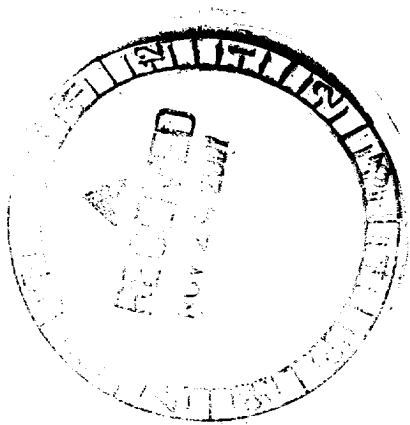
Title

Date

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.

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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 repair, back on at
3 1000 35
- 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 |
| 181 jts 2-7/8" EUE 8rd 6.5# J-55 IPC with TK-40 | <u>5726.44</u> |
| 181 jts total tubing and tools | 5739.57 |
| KB adjustment | <u>12.00</u> |
| EOT | 5751.57 |
- 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.

