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NEW MEXICO RECOMS SERVICE COMMISSION

APR 25 1977

O. C. C.

Form C-103
Supersedes Old
C-102 and C-103
Effective 1-1-65

<p>SUNDY NOTICES AND REPORTS ON WELLS</p> <p><small>DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO REOPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE APPLICATION FOR PERMIT - (FORM C-101) FOR SUCH PROPOSALS.</small></p>		<p>5a. Indicate Type of Lease State <input type="checkbox"/> Fee <input checked="" type="checkbox"/></p> <p>5. State Oil & Gas Lease No.</p>																
<p>1. <input type="checkbox"/> OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER-</p> <p>2. Name of Operator Maddox Energy Corporation</p> <p>3. Address of Operator 702 Vantage Tower, 2525 Stemmons, Dallas, Texas 75207</p> <p>4. Location of Well UNIT LETTER I 990 FEET FROM THE East LINE AND 1980 FEET FROM THE South LINE, SECTION 18 TOWNSHIP 20S RANGE 26E N.M.P.M.</p>		<p>7. Unit Agreement Name</p> <p>8. Farm or Lease Name So. Willow Draw Com.</p> <p>9. Well No. 1</p> <p>10. Field and Pool, or Wildcat West Bubbling Springs Und. Morrow</p>																
<p>15. Elevation (Show whether DF, RT, CR, etc.) 3295.7</p>		<p>12. County Eddy</p>																
<p>16. Check Appropriate Box To Indicate Nature of Notice, Report or Other Data</p> <table border="0"> <tr> <td colspan="2">NOTICE OF INTENTION TO:</td> <td colspan="2">SUBSEQUENT REPORT OF:</td> </tr> <tr> <td>PERFORM REMEDIAL WORK <input type="checkbox"/></td> <td>PLUG AND ABANDON <input type="checkbox"/></td> <td>REMEDIAL WORK <input type="checkbox"/></td> <td>ALTERING CASING <input type="checkbox"/></td> </tr> <tr> <td>TEMPORARILY ABANDON <input type="checkbox"/></td> <td>CHANGE PLANS <input type="checkbox"/></td> <td>COMMENCE DRILLING OPERATIONS <input type="checkbox"/></td> <td>PLUG AND ABANDONMENT <input checked="" type="checkbox"/></td> </tr> <tr> <td>PULL OR ALTER CASING <input type="checkbox"/></td> <td>OTHER <input type="checkbox"/></td> <td>CASING TEST AND CEMENT JOBS <input type="checkbox"/></td> <td>OTHER <input checked="" type="checkbox"/> Progress Report.</td> </tr> </table>			NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:		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 OPERATIONS <input type="checkbox"/>	PLUG AND ABANDONMENT <input checked="" type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	OTHER <input type="checkbox"/>	CASING TEST AND CEMENT JOBS <input type="checkbox"/>	OTHER <input checked="" type="checkbox"/> Progress Report.
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<p>17. 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.</p>																		

Please see attachment for daily activities Feb. 14 through March 26, 1976.

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

SIGNED James F. Abriant TITLE Consultant DATE 4-21-77

APPROVED BY W. A. Gressett TITLE SUPERVISOR, DISTRICT # DATE MAY 20 1977

CONDITIONS OF APPROVAL, IF ANY:

O'BRIANT ENGINEERING COMPANY

316 BUILDING OF THE SOUTHWEST
MIDLAND, TEXAS 79701
915 - 683-3172
915 - 683-5511

EUGENE V. PRINTZ

GLEN R. BROWN

W. H. GILMORE, JR.

PECK HARDEE, JR.

April 4, 1977

Maddox Energy orporation
702 Vantage Tower
2525 Stemmons
Dallas, Texas 75207

Re: Remedial and Plugging Operations
South Willow Draw Com. No. 1
Eddy County, New Mexico

Gentlemen:

Remedial operations were begun on January 18, 1977 in an attempt to obtain commercial production from two Morrow zones between 9757' and 9781'. These zones had previously been perforated and acidized with communication resulting to a zone at 9716' - 26' which was water productive.

Perforations in the Strawn, Atoka and Upper Morrow were squeezed, a retrievable bridge plug and Model "O" packer were milled over and fished out and the original perforations and channel to the water zone were squeezed. The zones from 9757'-64' and 9775'-81' were perforated with tubing conveyed perforating guns and treated with 1200 gallons of 7 1/2% M.S. acid. After acidizing the well was produced intermittently for a period of nineteen days with a final rate of 150 MCF per day with a trace of water. On March 5, 1977 the well was shut in for pressure build-up and on March 9, 1977 a bottom hole pressure was run. BHP at this time was 2699 psig, indicating a loss of 1296 psig from the drillstem test pressure.

Due to the depletion shown by the bottom hole pressures, the well was subsequently plugged and abandoned, with plugging operations completed on March 24, 1977. A detailed report of remedial and plugging operations is attached.

Yours very truly,

Bill D. Baker

Bill D. Baker
Registered Petroleum Engineer

by
Carol O'Briant

BDB/ca0

Maddox Energy Corporation
South Willow Draw Unit #1

2-14-77

16 hr. SITP=810 psig. Opened well on 1/2" choke; blew down in 10 minutes.. Left well open 2 hrs., small flare. No fluid to surface. Shut in.

2-15-77

16 hr. SITP=350 psig. Opened well on 3/4" choke, blew down to small flare in 5 minutes. Rigged up swab. Swabbed 7 hr. rec. 43 bbl. gas cut load water, final fluid level 8500' from surface.

2-16-77

18 hr. SITP=1500 psig. Opened well on 24/64" choke, blew down in 30 minutes to small flare. Swabbed for 7 hrs. IFL=5500' from surface, recovered approx. 34 bbl. gas cut water; fluid level 9300' from surface.

2-17-77

SITP=1600 psig. Opened well to pit on 24/64" choke, blew down to small flare in 30 minutes. Rigged up swab, initial fluid level 4500' from surface. Swabbed 4 hr. recovered approx. 42 bbl. fluid. Final fluid level 8000' from surface. Shut in at 12:45 P.M., 2-16-77. Released pulling unit.

2-18-77

43 hr. SITP=1710 psig.

2-19-77

67 hr. SITP=1700 psig.

2-20-77

94 hr. SITP=1720 psig. Opened well to pit, blew down to very small flare in 15 minutes; flared well to pit 4 1/2 hrs. No further recovery. Shut in for pressure build up.

2-21-77

25 hr. SITP=1480 psig.

2-22-77

20 hr. SITP=1510 psig. Plan to run tracer survey.

2-24-77

24 hr. SITP=1560 psig. Jarrell Wireline Co. rigged up and fished out firing bar; released perf. guns from tubing. Open well at 1:00 P.M. blew down to small flare, no fluid rec. Shut in at 1:30. Opened well at 5:30 to blow down for tracer survey. 4 hr. SITP=400 psig. Well began unloading water after 5 minutes; unloaded est. 25 bbl. water to pits. Flowed to pits 4 1/2 hrs, small flare of gas with intermittent slugs of water. Shut in at 10:00 P.M.

2-25-77

10 hr. SITP=1420 psig opened well on 48/64" choke. Heavy spray of fluid to surface in 10 minutes. Unloaded est. 2-3 bbl. water in 15 minutes and returned to dry gas after 1 hr. and 5 minutes. Unloaded additional 1-2 bbl. water, flowed 7 hrs. and 40 minutes on 48/64" choke and 1 hour on 32/64" choke. 100 MCF/day on 32/64" @ 5:00 P.M.

Maddox Energy Corporation
South Willow Draw Unit #1

2-26-77

14 hr. SITP=1500 psig. Opened well to pit on 48/64" choke; heavy spray in 11 minutes, returned to dry gas in 10 minutes. Flowed to pits 8 hrs. and 45 minutes; 100 MCF/day with spray of water at end.

2-27-77

16 1/2 hr. SITP=1600 psig. Opened well to pits on 48/64" choke; flowed ~~flowed~~ fluid to surface 1 hr. Unloaded est. 5 bbl. water in 20 min; flowed to pits for 7 hr. and 30 min. 115 MCF/day with spray of water.

2-28-77

18 hr. SITP=1700 psig. Opened well to pits on 48/64" choke; fluid to surface in 50 minutes; est. 5 bbl. water. Flowed pits for 8 hr. and 45 min. 150 MCF/day with spray water.

3-1-77

12 hr. SITP=1650 psig. Opened on 48/64" choke, fluid to surface in 45 min. with heavy spray fluid for 10 minutes. Flowed to pit in 10 hrs. 150 MCF/day with small stream of water.

3-2-77

14 hr. SITP=1580. Opened well on 48/64" choke, fluid to surface in 45 minutes. Flowed to pits 24 hrs. 150 MCF/day. Small stream of water.

3-3-77

Flowed to pits for 24 hrs on 48/64" choke, 150 MCF/day, with small stream of water.

3-4-77

Flowed to pits for 24 hrs. on 48/64" choke. 150 MCF/day rate with small stream of water.

3-5-77

Shut well in @ 5:30 P.M. 3-4-77 for pressure build up.

3-6-77

Shut in for pressure build up.

3-7-77

Shut in for pressure build up. 66 hr. SITP=1525 psig.

3-8-77

Shut in for pressure build up.

3-9-77

Ran bottom hole pressure; 116 hr. shut in at 9769', 2699 psi, DST test pressure of this zone 9-29-76 was 3995 psig, depletion indicated. Well shut in.

Maddox Energy Corporation
South Willow Draw Unit #1

3-15-77

Well shut in. Waiting to P&A.

3-20-77

Moved in and rigged up Baber Service Co. casing pulling rig.

3-21-77

Shut down on Sunday.

3-22-77

Prep to plug and abandon.

3-23-77

Installed BOP, and pulled tubing and packer. Set cast iron bridge plug at 9700', capped with 35' cement.

3-24-77

Ran tubing to 9600', circ. hole with 150 bbl. 10# mud; pulled out of hole with tubing; set cast iron bridge plug at 8500' and capped with 35' cement.

3-25-77

Removed BOP and tubinghead. Welded on 5 1/2" casing; shot free at 7499'. Pulled and layed down casing; 180 jts. of 5 1/2". Prep to run tubing to set plug.

3-26-77

Ran 2 3/8" tubing, set cement plugs:

35 sx. at 7400' - 7500'.

40 sx. at 7050' - 7150'.

40 sx. at 4500' - 4600'.

50 sx. at 1850' - 1950'.

50 sx. at 1700' - 1800'.

15 sx. at surface.

Installed dry hole marker. Tubing and casing moved to B. F. Walker's yard in Hobbs. Moved well head to Ajax in Hobbs. P&A complete

3-24-77. FINAL REPORT.