

30-015-27052

Grid - 25512

prop - 11923

pool - 33520

IT IS THEREFORE ORDERED THAT:

Administrative Order WFX-640
Yates Drilling Company
February 1, 1993

The applicant, Yates Drilling Company, be and the same is hereby authorized to inject water into the Grayburg formation at approximately 2375 feet to approximately 2383 feet through 2.0 inch plastic lined tubing set in a packer at approximately 2275 feet in the following described well for purposes of secondary recovery to wit:

South Loco Hills Unit No. 29
1310' FSL & 130' FEL
Unit Letter "P", Section 19, Township 18 South, Range 29 East

Confidential

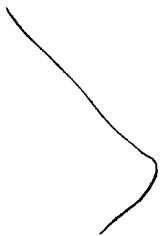
9-24-92

Dual Lat.

350' - 8625'

Comp. Neutron

200' - 2466'



UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

Yates Drilling Company

3. Address and Telephone No.

105 South 4th St., Artesia, NM 88210 505-748-4500

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

1310' FSL & 130' FEL
Section 19-18S-29E

5. Lease Designation and Serial No.

NM-54183

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

South Loco Hills Unit

8. Well Name and No.

South Loco Hills Unit #29

9. API Well No.

30-015-27052

10. Field and Pool, or Exploratory Area

Loco Hills, QN, GRB, SA

11. County or Parish, State

Eddy County, NM

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

TYPE OF SUBMISSION

- ☐ Notice of Intent
☐ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

- ☐ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☒ Other Convert to pumping well
☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

9-19-96 RUPU. Unset packer, laid down plastice coated tubing. Ran 75 jts. 2 3/8" tubing and rods. Seating nipple set at 2369.78'. Set pumping unit and started well pumping.

RECEIVED

OCT - 4 1996

OIL CON. DIV.

DIST. 2

14. I hereby certify that the foregoing is true and correct

Signed Gaven J. Leshman

Title Engineering Technician

Date 10-1-96

(This space for Federal or State office use)

Approved by

Conditions of approval, if any:

Title

Date

Title 18 U.S.C. Section 1001, makes 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.

*See Instruction on Reverse Side

DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

OIL CONSERVATION DIVISION
P.O. Box 2088
Santa Fe, New Mexico 87504-2088

WELL API NO. 30-015-27052
5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No.

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 <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input checked="" type="checkbox"/> WIW	7. Lease Name or Unit Agreement Name South Loco Hills Waterflood
2. Name of Operator Yates Drilling Company	
3. Address of Operator 105 South 4th St., Artesia, NM 88210	8. Well No. 29
4. Well Location Unit Letter <u>P</u> : <u>1310</u> Feet From The <u>South</u> Line and <u>130</u> Feet From The <u>East</u> Line Section <u>19</u> Township <u>18S</u> Range <u>29E</u> NMPM Eddy County	9. Pool name or Wildcat Loco Hills, QN, GRB, SA
10. Elevation (Show whether DF, RKB, RT, GR, etc.) 3532' GR	

11. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data	
NOTICE OF INTENTION TO:	SUBSEQUENT REPORT OF:
PERFORM REMEDIAL WORK <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>
OTHER: <u>Request for Higher Injection Pressure</u> <input checked="" type="checkbox"/>	PLUG AND ABANDONMENT <input type="checkbox"/>
	CASING TEST AND CEMENT JOB <input type="checkbox"/>
	OTHER: _____ <input type="checkbox"/>

12. 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.

Injection into subject well was approved by order WFX-640.
A step-rate test was conducted 12-1-94 on the subject well. The results of the test are attached.

We request permission to increase the wellhead injection pressure to the maximum allowable, based on the attached step-rate test results.

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

SIGNATURE John Rhodes TITLE Engineer DATE 12-12-94
TYPE OR PRINT NAME _____ TELEPHONE NO. _____

(This space for State Use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

WEST-TEST, INC.
A SUBSIDIARY OF JOHN WEST ENGINEERING COMPANY
Hobbs, New Mexico

STEP RATE INJECTION TEST

CLIENT: YATES DRILLING COMPANY

DATE: DECEMBER 1, 1994

WELL NAME: LOCO HILLS SOUTH UNIT NO. 29
EDDY COUNTY, NEW MEXICO

WO#: 94-14-2057

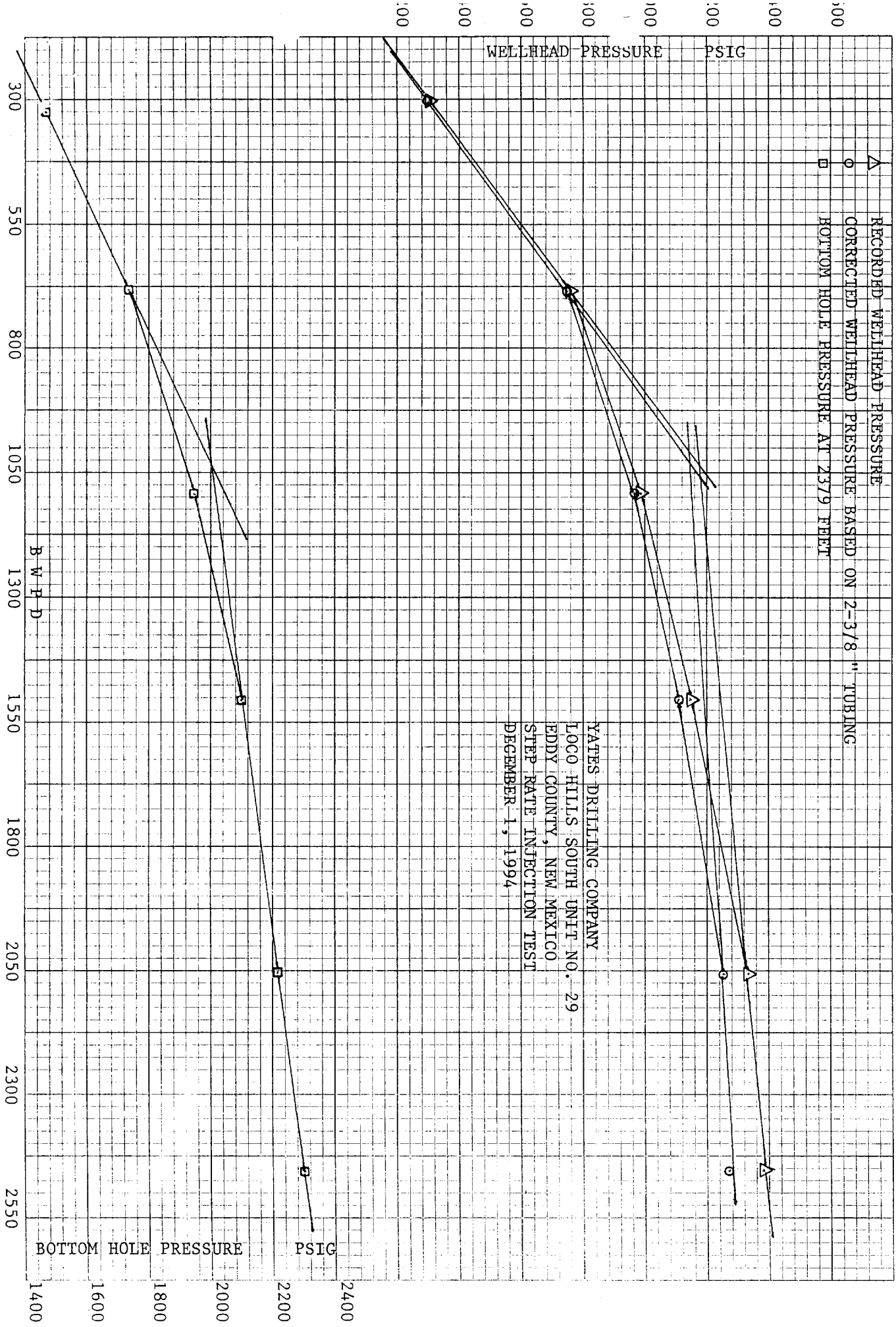
PERFS = 2375-2383

PACKER DEPTH = 2335

BHP GAUGE DEPTH = 2379

STEP NO. & REMARKS	TIME	(1) SURFACE TUBING PRESS. (psig)	(2) CUMMULATIVE VOL. INJECTED (bbls)	(3) INJECTION RATE (bbls/day)	(4) FRICTION HEAD LOSS (psi)	(5) CORRECTED TUBING PRESS. (psi) (1)-(4)	(6) INJECTION RATE (gpm) (3)/34.2857	(7) MEASURED BHP (psi)
1	9:50	263.5				263.5		1271.0
	9:55	379.5	1.2	345.6	2.875	376.6	10.08	1340.0
	10:00	316.8	2.3	316.8	2.447	314.4	9.24	1392.0
	10:05	316.8	3.4	316.8	2.447	314.4	9.24	1466.0
2				326.3				
	10:10	600.3	5.7	662.4	9.579	590.7	19.32	1545.0
	10:15	684.5	8.1	691.2	10.363	674.1	20.16	1623.0
	10:20	759.7	10.5	691.2	10.363	749.3	20.16	1731.0
3				681.5				
	10:25	841.4	14.3	1094.4	24.250	817.1	31.92	1800.0
	10:30	895.0	18.0	1065.6	23.083	871.9	31.08	1873.0
	10:35	992.1	21.9	1123.2	25.444	966.7	32.76	1946.0
4				1094.4				
	10:40	1062.4	27.1	1497.6	43.323	1019.1	43.68	2007.0
	10:45	1103.3	32.4	1526.4	44.877	1058.4	44.52	2052.0
	10:50	1153.2	37.6	1497.6	43.323	1109.9	43.68	2102.0
5				1507.1				
	10:55	1186.5	44.4	1958.4	71.163	1115.3	57.12	2135.0
	11:00	1274.7	51.7	2102.4	81.145	1193.6	61.32	2166.0
	11:05	1334.9	59.0	2102.4	81.145	1253.8	61.32	2209.0
6				2054.3				
	11:10	1361.7	67.6	2476.8	109.885	1251.8	72.24	2237.0
	11:15	1375.7	76.1	2448.0	107.533	1268.2	71.40	2277.0
	11:20	1385.9	84.6	2448.0	107.533	1278.4	71.40	2306.0
				2457.5				

STEP NO. & REMARKS	TIME	(1)	(2)	(3)	(4)	(5)	(6)	(7)
		SURFACE TUBING PRESS. (psig)	CUMMULATIVE VOL. INJECTED (bbls)	INJECTION RATE (bbls/day)	FRICTION HEAD LOSS (psi)	CORRECTED TUBING PRESS. (psi) (1) - (4)	INJECTION RATE (gpm) (3)/34.2857	MEASURED BHP (psi)
FALLOFF	11:21	1220.7				1220.7		2261.0
	11:22	1205.3				1205.3		2244.0
	11:23	1189.9				1189.9		2228.0
	11:24	1178.4				1178.4		2213.0
	11:25	1168.1				1168.1		2199.0
	11:30	1127.1				1127.1		2149.0
	11:35	1102.7				1102.7		2102.0



RECORDED WELLHEAD PRESSURE
CORRECTED WELLHEAD PRESSURE BASED ON 2-3/8" TUBING
BOTTOM HOLE PRESSURE AT 2379 FEET

YATES DRILLING COMPANY
LOCO HILLS SOUTH UNIT NO. 29
EDDY COUNTY, NEW MEXICO
STEP RATE INJECTION TEST
DECEMBER 1, 1994