

OPERATOR: KCS RESOURCES
WELL/LEASE: SHUGART 24 FED. A #4
COUNTY: EDDY

055-0011

STATE OF NEW MEXICO
DEVIATION REPORT

302	1/4
767	1/4
1,215	3/4
1,500	1
2,000	1
2,504	3/4
2,772	1 1/2
3,228	1
3,728	1 3/4
4,173	1 1/4
4,704	2
4,990	2
5,237	1 3/4
5,485	1 1/2
5,706	1 1/4
6,175	1
6,490	1/2
6,647	3/4
6,970	1 1/4
7,446	1 1/4
7,985	1 3/4
8,331	1 3/4

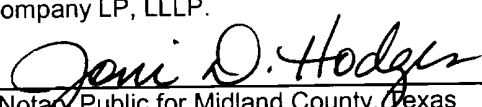
By: 

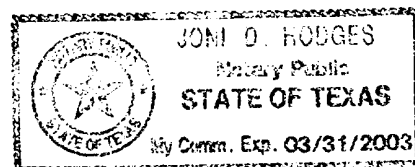
STATE OF TEXAS

COUNTY OF MIDLAND

The foregoing instrument was acknowledged before me on this 5th day of April, 2002, by
Steve Moore on behalf of Patterson-UTI Drilling Company LP, LLLP.

My Commission Expires: 3/31/2003


Notary Public for Midland County, Texas



UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Oil Cons.
N.M. DIV-Dist. 2

FORM APPROVED
OMB 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.

1301 W. Grand Avenue
Artesia, NM 88210

Indian, Allottee or Tribe Name

SUBMIT IN TRIPLICATE - Other instructions on reverse side

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

KCS Resources, Inc.

3a. Address

7130 South Lewis, Ste. 840 Tulsa, OK 74136-5489

3b. Phone No. (include area code)

918/488-8283

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

Sec24-T18S-R30E N.M.P.M.
990' FNL & 990' FEL of Sec.24

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

8. Well Name and No.

Shugart West 24

Federal "A" #4

9. API Well No.

10. Field and Pool, or Exploratory Area

Shugart

11. County or Parish, State

Eddy

NM

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

TYPE OF SUBMISSION

☐ Notice of Intent

☒ Subsequent Report

☐ Final Abandonment Notice

TYPE OF ACTION

☐ Acidize

☐ Alter Casing

☐ Casing Repair

☐ Change Plans

☐ Convert to Injection

☐ Deepen

☐ Fracture Treat

☐ New Construction

☐ Plug and Abandon

☐ Plug Back

☐ Production (Start/Resume)

☐ Reclamation

☐ Recomplete

☐ Temporarily Abandon

☐ Water Disposal

☐ Water Shut-Off

☐ Well Integrity

☐ Other

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 recompleat 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 final site is ready for final inspection.)

4/07/02 - Perf Bone Springs Carb - 8258'-8240' - 2spf, 23gr charge on 120 phasing.

4/08/02 - RIH w/2-7/8" tbgf & pkr. S.A. 8123'. Test pkr w/1500psi. Pump 93bbls 15% HCL ferchek acid - 160 1.3 gravity frac balls. Brk down 4bpm 3448 psi 4618 psi max treating pressure.

4/15/02 - Set cmt retainer 8188'. Squeezed w/75sks Premium 10% CalSeal 1/4pps flocele 14.4 ppg 1.54 yld. Tail w/150sks Premium neat 15.6ppg, 1.18 yld, 19.4bbls cement out of perfs. 3500 psi @ .5bpm.

4/16/02 - Drill out squeeze and test to 3500 psi.

4/17/02 - Reperf Bone Springs Carb. 8222'-8219' - 3spf 120 phasing 39 grm charge. 8206'-8186' 3 sfp, 120 phasing, 39 grm charge. 8186'-8168' 3spf, 120 phasing 39 grm charge.

4/18/02 - Broke perfs down w/PPI tool - pumped total 96 bbls 15% HCL.

4/22/02 - Plug bac carbonate. CIBP 8158' w/45'cmt PBDT @ 8133'.

4/24/02 - Start completion for Bone Spring sand.

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

Kaye Alley

Title

Production Technician

Date

4/29/02

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title

Date

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.

Office

Title 18 U.S.C. Section 1001, and Title 43 U.S.C. Section 1212, 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.

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