

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

Oil Cons.  
N.M. Div-Dist. 2  
1301 W. Grand Avenue  
Artesia, NM 88210

FORM APPROVED  
OMB NO. 1004-0137  
Expires: November 30, 2000

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well ☒ Oil Well ☐ Gas Well ☐ Dry ☐ Other

b. Type of Completion: ☒ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr., Other

2. Name of Operator  
KCS Resources, Inc.

3. Address  
7130 South Lewis, Ste. 700 Tulsa, OK 74136-5489

3a. Phone No. (include area code)  
918-488-8283

4. Location of Well (Report location clearly and in accordance with Federal requirements)  
At surface 990' FNL & 990' FEL of Sec 24

At top prod. interval reported below

At total depth

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.

8. Lease Name and Well No.  
Shugart West 24 Federal A #4

9. API Well No.  
30-015-32115

10. Field and Pool or Exploratory  
N Shugart Bone Spring

11. Sec., T., R., M., or Block and Survey or Area  
Sec 24-T18S-R30E

12. County or Parish  
Eddy

13. State  
NM

14. Date Spudded  
3/09/02

15. Date T.D. Reached  
3/31/02

16. Date Completed  
☐ D & A ☒ Ready to Prod.  
4/30/02

17. Elevations (DF, RKB, RT, GL)\*  
3650'KB, 3649'DF, 3636'GL

18. Total Depth: MD  
TVD 8364'

19. Plug Back T.D.: MD  
TVD 8113'

20. Depth Bridge Plug Set: MD  
TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)  
CZDCNL & DLMLGRL

22. Was well cored? ☒ No ☐ Yes (Submit analysis)  
Was DST run ☒ No ☐ Yes (Submit report)  
Directional Survey? ☒ No ☐ Yes (Submit)

23. Casing and Liner Record (Report all strings set in well)

Hole Size	Size/Grade	Wt. (#ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sks. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
17-1/2"	13-3/8"	72#		767'		680 sks		Surface	
11"	8-5/8"	32#		2814'		819 sks			
7-7/8"	5-1/2"	17/15.5		4293'		715 sks		6920'	

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2-7/8"	8083'	CIBP @ 8158'			CIBP @ 8320'			CIBP @ 8210'

25. Producing Intervals

26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) 1st Bone Spring Snd	7600'	7740'	8258' - 19'		2 SPF	Abandoned
B)			8206' - 8168'		3 SPF	Abandoned
C)			7728' - 7740'		3 SPF	Producing
D)						

27. Acid, Fracture, Treatment, Cement Squeeze, Etc.

Depth Interval	Amount and Type of Material
8258' - 8219'	93 bbls 15% HCL ferchek acid 60.0 bbls treated 2XKCL, 160 1.3 frac balls
8206' - 8168'	44 bbls of acid
7728' - 7740'	1200 gals 8% fercheck acid & 46 bbls flush

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity	Gas Gravity	Production Method
4/30/02	4/30/02	14	→	165	690	100			LES BABYAKING
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr.	Oil BBL	Gas MCF	Water BBL	Gas: Oil Ratio	Well Status	PETROLEUM ENGINEER
24/64	500	1300	→	52	500	115	9615/1	Producing	

28a. Production-Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr.	Oil BBL	Gas MCF	Water BBL	Gas: Oil Ratio	Well Status	
			→						

## 28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr.	Oil BBL	Gas MCF	Water BBL	Gas: Oil Ratio	Well Status	

## 28c. Production-Interval D

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr.	Oil BBL	Gas MCF	Water BBL	Gas: Oil Ratio	Well Status	

## 29. Disposition of Gas (Sold, used for fuel, vented, etc.)

## 30. Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries

## 31. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top Meas. Depth
1st B.S. Snd	7600'	8060'	Sandstone	Top Bone Springs	5760'
2nd B.S. Carb	8060'	8256'	Limestone, Dolomite	Top 1st B.S. Sand	7600'
				Top 2nd B.S. Carb	8060'

## 32. Additional remarks (include plugging procedure):

## 33. Circle enclosed attachments:

1. Electrical/Mechanical Logs (1 full set req'd)    2. Geologic Report    3. DST Report    4. Directional Survey  
5. Sundry Notice for plugging and cement verification    6. Core Analysis    7. Other

## 34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)\*

Name (please print) Kaye AlleyTitle Production TechnicianSignature Date 5/31/02