

Expires: February 28, 1995

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

Submit in Duplicate\*

(See other instructions  
on reverse side)

WELL COMPLETION OR RECOMPLETION REPORT AND LOG: 19

1a. TYPE OF WELL: OIL ☐ GAS ☒ DRY ☐

b. TYPE OF COMPLETION: NEW ☒ WORK ☐ DEEP- ☐ PLUG ☐  
WELL OVER EN BACK

2. NAME OF OPERATOR  
CORDILLERA ENERGY, INC.

3. ADDRESS AND TELEPHONE NO.  
5802 HIGHWAY 64, FARMINGTON, NM 87401

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)\*

At surface 2625' FSL & 1980' FWL - UL "K"

At top prod. interval reported below Same

At total depth Same

070 Farmington, NM

APR 2003

APR 2003

5. LEASE DESIGNATION AND SERIAL NO.  
SF078707

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME, WELL NO.  
STARR #1C

9. API WELL NO.  
30-045-31098

10. FIELD AND POOL, OR WILDCAT  
BLANCO MESA VERDE

11. SEC., T., R., M., OR BLOCK AND SURVEY  
OR AREA

SEC. 13, T31N, R13W

14. PERMIT DATE ISSUED

12. COUNTY OR  
PARISH SAN JUAN

13. STATE  
NEW MEXICO

15. DATE SPUDDED  
02/09/2003

16. DATE T.D. REACHED  
2/19/2003

17. DATE COMPL. (Ready to prod.)  
04/01/2003

18. ELEVATIONS (OF, RKB, RT, GR, ETC.)  
5786' GR

19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MM & JJ  
6830'

21. PLUG, BACK T.D., MD & TTT  
6810'

22. IF MULTIPLE COMPL.,  
HOW MANY?

23. INTERVALS  
DRILLED BY

ROTARY TOOLS  
X

CABLE TOOLS

24. PRODUCTION INTERVAL(S) OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)  
MV 4460' - 4763'

25. WAS DIRECTIONAL  
SURVEY MADE NO

26. TYPE ELECTRIC AND OTHER LOGS RUN  
IND/GR/CAL/DEN/NEUT/CMT

27. WAS WELL CORED  
NO

CASING RECORD (Report all strings set in well)

CASING SIZE/GRADE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEMENTING RECORD	AMOUNT PULLED
9-5/8"	36# - J55	283.33'	12-1/4"	257sx(54bbl)ClB w/2%CaCl2, 1/4# cellophane	circ 20 bbl
7"	20# - J55	4122'	8-3/4"	940sx(320bbl)65/35ClB w/2%CaCl2, 1/4# cellophane, 6%gel	circ 75 bbl
4-1/2"	11.6# N80	6830.77'	6-1/4"	340sx(87bbl) 50/50 POZ w/2%gel, 5pps Gilsonite, 1/4pps cellophane	TOC: 3340'
				0.6% Halad 9, 0.1% HR 5, 6.44gpps wtr, 5bbl sugarwater, 105 bbl	2% KCL

LINER RECORD

TUBING RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN	SIZE	DEPTH SET (MD)	PACKER SET (MD)
						Prod up Annulus	4825'

31. PERFORATION RECORD (Interval, size and number)

38" EHD - 1JSPF  
4460' - 4763'  
32 HOLES TOTAL

32. DEPTH INTERVAL (MD) AMOUNT AND KIND OF MATERIAL USED  
4460' - 4763' 2,500 gal 15% acid & 25-7/8" ball sealers.  
Frac: 135,000# 20/40 mesh Super LC Sand @ 66bpm

33. PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)	WELL STATUS (Producing or shut-in)
DATE OF TEST 3/30/03	HR'S TESTED 3	CHOKE SIZE .875
PROD'N FOR TEST PERIOD	OIL—BBL -0-	GAS—MCF 156
WATER—BBL -0-	GAS—OIL RATIO	
FLOW TUBING PRESS Shut In 960#	CSG PRESS 60#	CALCULATED 24-HOUR RATE
OIL—BBL -0-	GAS—MCF 1,245	WATER—BBL -0-
OIL GRAVITY—API (CORE.)		

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

Vented

TEST WITNESSED BY  
Daryl Wright

35. LIST OF ATTACHMENTS

APR 04 2003

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records.

SIGNED

*Kay Johnston*

TITLE: PRODUCTION TECHNICIAN

FARMINGTON FIELD OFFICE

DATE

April 1, 2003

\*(See Instructions and Spaces for Additional Data on Reverse Side)

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.

NMOCED

37. SUMMARY OF POROUS ZONES. (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 test times).

FORMATION TOP BOTTOM DESCRIPTION, CONTENTS, ETC.

38.

GEOLOGIC MARKERS

NAME

STARR #1C

MEAS. DEPTH

TOP

TRUE

VERT. DEPTH

OJO ALAMO

KIRTLAND

PICTURED CLIFFS

CLIFF HOUSE

MENEFEE

POINT LOOKOUT

DAKOTA

385'

1530'

2065'

3680'

3980'

4460'

6610'

385'

1530'

2065'

3680'

3980'

4460'

6610'

APR 4 1963



**Key Energy Services, Inc.**

Four Corners Division  
5651 US Highway 64  
P.O. Box 900  
Farmington, NM 87499

Phone: 505-327-4935  
Fax: 505-327-4962

January 31, 2003

Rig #43

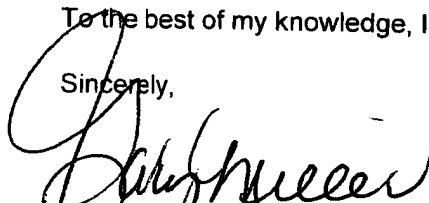
Cordillera  
5802 Hwy 64  
Farmington, NM 87401

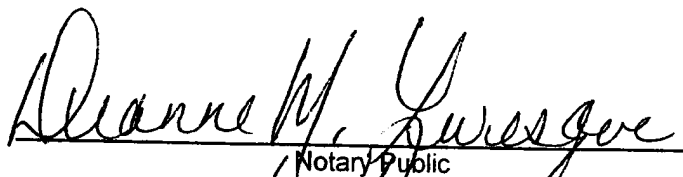
This is to certify that Key Energy Services, did run deviation surveys at the listed depths on your Starr #1C well in S13-T31N-R13W in San Juan County, New Mexico.

Depth	Deviation	Depth	Deviation
254'	1°	2688'	1°
583'	1°	3350'	1°
860'	1°	3650'	1°
2385'	1°	3928'	1°

To the best of my knowledge, I swear this information to be true.

Sincerely,

  
Gary Miller  
District Drilling Manager

  
Deanne M. Levesque  
Notary Public  
My commission expires: 6/26/06

