

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

N.M. Oil Cons. DIV-Dist. 2
1201 W. Grand Avenue
Artesia, NM 88210

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

LEASE DESIGNATION AND SERIAL NO.
NM 030752

1a. TYPE OF WELL: ☐ OIL WELL ☒ GAS WELL ☐ DRY ☐ OTHER _____
b. TYPE OF COMPLETION: ☒ NEW WELL ☐ WORK OVER ☐ DEEPEN ☐ PLUG BACK ☐ DIFF. RESVR.
OTHER _____

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

2. NAME OF OPERATOR
Crossland Operating, LLC

8. FARM OR LEASE NAME, WELL NO.
Empire "A" Fed Com, Well #2

3. ADDRESS OF OPERATOR
c/o P.O. Box 953, Midland, TX 79702

3A. PHONE NO. (include area code)
432 684-6381

9. API NO.
30 015 29618

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

At surface 1650' FNL & 660' FEL

RECEIVED

At top prod. interval reported below

MAY 27 2005

At total depth

OLDSARTERIA

10. FIELD AND POOL, OR EXPLORATORY
Turkey Track N, Morrow

11. SEC., T., R., M. OR BLOCK AND SURVEY
OR AREA
Sec 27, T18S, R29E

12. COUNTY OR PARISH
Eddy

13. STATE
NM

14. DATE SPUDDED

2-10-04 (re-entry)

15. DATE T.D. REACHED

2-14-04

16. DATE COMPLETED

☐ D & A

☒ READY TO PROD.

17. ELEVATIONS (DF, RKB, RT, GR, ETC.)

GR 3434'

18. TOTAL DEPTH, MD & TVD

11,404'

19. PLUG, BACK T.D.:

MD

TVD 11,335'

20. DEPTH BRIDGE PLUG SET, MD
TVD

21. TYPE ELECTRIC & OTHER MECHANICAL LOGS RUN (SUBMIT COPY OF EACH)

GR/CCL/CBL

22. WAS WELL CORED?

☐ NO

☐ YES (SUBMIT ANALYSIS)

WAS DST RUN?

☐ NO

☐ YES (SUBMIT REPORT)

DIRECTIONAL SURVEY?

☐ NO

☐ YES (SUBMIT COPY)

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" J-55 | 48# | surface | 330' | | 365 sx | | surface | none |
| 12 1/4" | 8 5/8" J-55 | 36# | surface | 3200' | | 1335 sx | | surface | none |
| 7 7/8" | 5 1/2" J-55 | 17# | surface | 11,401' | | 250 sx | | 10,416' | none |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |

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 3/8" | 11,095' | 11,095' | | | | | | |

25. PRODUCING INTERVALS

| FORMATION | TOP | BOTTOM | PERFORATION RECORD | SIZE | NO. HOLES | PERF. STATUS |
|-----------|--------|--------|--|-------------|-------------|----------------|
| A) Morrow | 11,300 | 11,330 | 11,300-12; 11,320-30' | | 6 shots/ft. | CIBP @ 11,280' |
| B) | | | | | | |
| C) Morrow | 11,154 | 11,228 | 11,154-58; 11,164-68; 11,207-11,11225-28 | 4 shots/ft. | 4 shots/ft. | open |
| D) | | | | | | |

27. ACID, FRACTURE, TREATMENT CEMENT SQUEEZE, Etc.

| DEPTH INTERVAL | AMOUNT AND TYPE OF MATERIAL |
|----------------|---|
| 11,154-11,228' | 46,750# 18/40 sand w/45000 gals frac fluid CIBP @ 11,280' w/20' cement on top. |
| | |
| | |

28. PRODUCTION INTERVAL A

| DATE FIRST PRODUCED | TEST DATE | HOURS TESTED | TEST PRODUCTION | OIL BBL | GAS MCF | WATER BBL | OIL GRAVITY CORR. API | GAS GRAVITY | PRODUCTION METHOD |
|---------------------|-------------------|--------------|-----------------|---------|---------|-----------|-----------------------|-------------|-------------------------|
| 5-1-05 | 5-4-05 | 24 | → | 0 | 100 | 2 | | | MAY 26, 2005 flowing |
| CHOKE SIZE | TBG. PRESS. FLWG. | CSG. PRESS. | 24 HR. RATE | OIL BBL | GAS MCF | WATER BBL | GAS : OIL RATIO | WELL STATUS | |
| open | SI 50# | 800# | → | | | | | | |

28a. PRODUCTION INTERVAL B

| DATE FIRST PRODUCED | TEST DATE | HOURS TESTED | TEST PRODUCTION | OIL BBL | GAS MCF | WATER BBL | OIL GRAVITY CORR. API | GAS GRAVITY | PRODUCTION METHOD |
|---------------------|-------------------|--------------|-----------------|---------|---------|-----------|-----------------------|-------------|-------------------|
| | | | → | | | | | | |
| CHOKE SIZE | TBG. PRESS. FLWG. | CSG. PRESS. | 24 HR. RATE | OIL BBL | GAS MCF | WATER BBL | GAS : OIL RATIO | WELL STATUS | |
| | SI | | → | | | | | | |

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

ACCEPTED FOR RECORD

LES BABYAK
PETROLEUM ENGINEER

28b. Production - Interval C

| Date First Produced | Test Date | Hours Tested | Test Production → | Oil BBL | Gas MCF | Water BBL | Oil Gravity Corr. API | Gas Gravity | Production Method |
|---------------------|----------------------|--------------|----------------------|---------|---------|-----------|-----------------------|-------------|-------------------|
| Choke Size | Tbg. Press. Flwg. SI | Csg. Press. | 24 Hr. Rate → | 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 Corr. API | Gas Gravity | Production Method |
|---------------------|----------------------|--------------|----------------------|---------|---------|-----------|-----------------------|-------------|-------------------|
| Choke Size | Tbg. Press. Flwg. SI | Csg. Press. | 24 Hr. Rate → | Oil BBL | Gas MCF | Water BBL | Gas/Oil Ratio | Well Status | |

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

Sales

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

Morrow @ 11,154

| Formation | Top | Bottom | Descriptions, Contents, etc. | Name | Top Meas. Depth |
|--------------|--------|--------|------------------------------|------|-----------------|
| Upper Morrow | 11,154 | 11,228 | | | |
| Lower Morrow | 11,300 | 11,330 | | | |

32. Additional remarks (include plugging procedure):

33. Indicate which items have been attached by placing a check in the appropriate boxes:

☒ Electrical/Mechanical Logs (1 full set req'd.)☐ Geologic Report☐ DST Report☐ Directional Survey☐ Sundry Notice for plugging and cement verification☐ Core Analysis☐ Other:

on-file/pre-entry

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) Ann E. Ritchie

Title Regulatory Agent

Signature

Date 5-19-05

Title 18 USC Section 1001 and Title 43 USC Section 1212, make 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.