

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTN.M. Oil Cons. Division
1625 French Dr.
Hobbs, NM 88240
FORM APPROVED
OMB NO. 1004-0137
Expires: November 30, 2000

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

Well No. NM 104685

1a. Type of Well ☒ Oil Well ☐ Gas Well ☐ Dry Otherb. Type of Completion: ☒ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr.,

Other

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.

2. Name of Operator

Lynx Petroleum Consultants, Inc.

3. Address

P.O. Box 1708 Hobbs, NM 88241

3a. Phone No. (include area code)

(505) 392-6950

4. Location of Well (Report location clearly and in accordance with Federal requirements)*

At surface 1650' FSL & 1980' FEL Unit Letter "J"

At top prod. interval reported below Same

At total depth

8. Lease Name and Well No.

Hawkeye 7 Fed. #2

9. API Well No.

30-025-35661

10. Field and Pool, or Exploratory

Lusk; Bone Spring

11. Sec., T., R., M., on Block and

Survey or Area Sec. 7-T19S-R32E

12. County or Parish

Lea

13. State

NM

17. Elevations (DF, RKB, RT, GL)*

3620' GL

14. Date Spudded

4/11/02

15. Date T.D. Reached

5/11/02

16. Date Completed

☐ D & A ☒ Ready to Prod.
7/10/0218. Total Depth: MD 12580'
TVD 12580'19. Plug Back T.D.: MD 11240'
TVD 11240'20. Depth Bridge Plug Set: MD 11275'
TVD 11275'

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

GR-Neutron-Density

GR-Laterolog

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 |
|-----------|--------------|-------------|----------|-------------|----------------------|------------------------------|-------------------|-------------|---------------|
| 26 | 20" | | 0' | 40' | - | RediMix | | Surface | 0' |
| 17 1/2 | 13 3/8 H 48 | | 0' | 846' | - | 700 "C" | 191 | Surface | 0' |
| 12 1/4 | 8 5/8 J 32 | | 0' | 4500' | 2668' | 2236 "C" | 669 | Surface | 0' |
| 7 7/8 | 5 1/2 P, N17 | | 0' | 12580' | 9679' | 1770 "H" | 511 | 2820' | 0' |

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 | 9730' | - | | | | | | |

25. Producing Intervals

| Formation | Top | Bottom | Perforated Interval | Size | No. Holes | Perf. Status |
|----------------|--------|--------|---------------------|------|-----------|--------------|
| A) Morrow | 12253' | 12485' | 12253'-485' | 1/2" | 196 | Plugged |
| B) Strawn | 11308' | 11316' | 11308'-316' | 1/2" | 36 | Plugged |
| C) Bone Spring | 9699' | 9703' | 9699'-703' | 1/2" | 20 | Producing |
| D) | | | | | | |

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

| Depth Interval | Amount and Type of Material |
|----------------|-----------------------------|
| 9699'-9703' | 2000 gals 15% HCl Ne-Fe |
| 12303'-12349' | 1000 gals 7.5% HCl Ne-Fe |

RECEIVED FOR RECORD
(ORIG. SGD.) DAVID R. GUASS
JUL 23 2002

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 |
|---------------------|----------------------|--------------|-----------------|---------|---------|-----------|-----------------------|-------------|-------------------|
| 5/1/02 | 6/20 | 24 | → | 0 | 0 | 2 | - | - | Swab |
| Choke Size | Tbg. Press. Flwg. SI | Csg. Press. | 24 Hr. Rate | Oil BBL | Gas MCF | Water BBL | Gas : Oil Ratio | Well Status | |
| - | - | - | → | 0 | 0 | 2 | 0 | Plugged | |

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 |
|---------------------|----------------------|--------------|-----------------|---------|---------|-----------|-----------------------|-------------|-------------------|
| 5/21 | 6/24 | 24 | → | 0 | 0 | 4 | - | - | Swab |
| Choke Size | Tbg. Press. Flwg. SI | Csg. Press. | 24 Hr. Rate | Oil BBL | Gas MCF | Water BBL | Gas : Oil Ratio | Well Status | |
| - | - | - | → | 0 | 0 | 4 | - | Plugged | |

(See instructions and spaces for additional data on reverse side)

b. Production - Interval C

| Oil First Produced | Test Date | Hours Tested | Test Production | Oil BBL | Gas MCF | Water BBL | Oil Gravity Corr. API | Gas Gravity | Production Method |
|--------------------|----------------------|--------------|-----------------|---------|---------|-----------|-----------------------|-------------|-------------------|
| 7/10 | 7/17 | 24 | → | 5 | 15 | 20 | 41.0 | 0.8 | Pumping |
| Wellbore | Tbg. Press. Flwg. SI | Csg. Press. | 24 Hr. Rate | Oil BBL | Gas MCF | Water BBL | Gas : Oil Ratio | Well Status | |
| - | | 25 | → | 5 | 15 | 20 | 3000 | Pumping | |

c. Production - Interval D

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

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

Sold

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 |
| Morrow | 12474 | 12485 | Gas & Water | Top Salt | 1025' |
| Morrow | 12303 | 12349 | No Show | Base Salt | 2450' |
| Morrow | 12253 | 12267 | No Show | Yates | 2810' |
| Strawn | 11308 | 11316 | No Show | Delaware | 5170' |
| Bone Spr. | 9699 | 9703 | Oil, Gas, & Water | Bone Spring | 6955' |
| Bone Spr. | 9202 | 9242 | Oil, Gas, & Water | 1st B.S. Sand | 8256' |
| Morrow | | | | 2nd B.S. Sand | 9007' |
| (DST) | 12178 | 12393 | Recovered Water (Report Attached) | 3rd B.S. Sand | 9790' |
| | | | | Wolfcamp | 10210' |
| | | | | Strawn | 11157' |
| | | | | Atoka | 11484' |
| | | | | Morrow | 11835' |

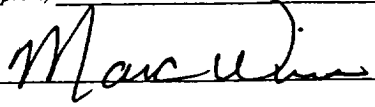
2. Additional remarks (include plugging procedure):

Set a C.I.B.P. at 12460' with 35' cement on top.
Set a C.I.B.P. at 12290'.
Set a C.I.B.P. at 12205' with 35' cement on top.
Set a C.I.B.P. at 11275' with 35' cement on top.

3. 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: Deviation Survey

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) Marc Wise Title President
Signature  Date 7/19/02

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

Well Name and Number: Hawkeye "7" Federal #2

J
1650/5 & 1980/E
30-025-35661

Location: Sec.7, T19S, R32E, Eddy County, NM

Operator: Lynx Petroleum

Drilling Contractor: McVay Drilling Company

The undersigned certifies that he is an authorized representative of the drilling contractor who drilled the above described well and that he has conducted deviation tests and obtained the following results:

| Degrees @ Depth | | Degrees @ Depth | | Degrees @ Depth | |
|-----------------|------|-----------------|-------|-----------------|--|
| 3/4 | 300 | 3/4 | 5518 | | |
| 3/4 | 610 | 1 1/4 | 5987 | | |
| 1 | 843 | 1 | 6489 | | |
| 1 | 1135 | 1 | 7699 | | |
| 1 | 1425 | 1 3/4 | 8178 | | |
| 3/4 | 1711 | 1 1/4 | 8670 | | |
| 1 1/2 | 1994 | 1 3/4 | 9144 | | |
| 1 1/4 | 2215 | 1 3/4 | 9631 | | |
| 1 | 2500 | 1 1/2 | 10025 | | |
| 1 1/2 | 2817 | 1 1/2 | 10454 | | |
| 1 1/4 | 3104 | 1 1/2 | 10921 | | |
| 1/2 | 3394 | 2 1/4 | 11336 | | |
| 1 1/4 | 3671 | 2 1/2 | 11655 | | |
| 1/2 | 3994 | 1 1/2 | 12103 | | |
| 3/4 | 4256 | 2 | 12392 | | |
| 3/4 | 4500 | | | | |
| 1/4 | 5019 | | | | |

Drilling Contractor: McVay Drilling Company

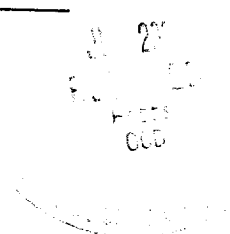
By: *Joe H. Hines*

Subscribed and sworn to before me this 16th day of May, 2002

Tina Filmer
Notary Public

My Commission Expires 8-16-05

Lea County, New Mexico



DISTRICT I
P.O. Box 1980, Hobbs, NM 88241-1980

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-102
Revised February 10, 1994
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

DISTRICT II
P.O. Drawer DD, Artesia, NM 88211-0719

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

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

DISTRICT IV
P.O. Box 2088, Santa Fe, N.M. 87504-2088

WELL LOCATION AND ACREAGE DEDICATION PLAT

☐ AMENDED REPORT

| | | |
|----------------------------|---------------------------------------------------|-------------------------------|
| API Number 30-025-35661 | Pool Code 41440 | Pool Name LUSK;BONE SPRING |
| Property Code 026118 | Property Name HAWKEYE "7" FEDERAL | Well Number 2 |
| OGRID No. 013645 | Operator Name LYNX PETROLEUM CONSULTANTS, INC. | Elevation 3620' |

Surface Location

| | | | | | | | | | |
|--------------------|--------------|------------------|---------------|---------|-----------------------|---------------------------|-----------------------|------------------------|---------------|
| UL or lot No. J | Section 7 | Township 19-S | Range 32-E | Lot Idn | Feet from the 1650 | North/South line SOUTH | Feet from the 1980 | East/West line EAST | County LEA |
|--------------------|--------------|------------------|---------------|---------|-----------------------|---------------------------|-----------------------|------------------------|---------------|

Bottom Hole Location If Different From Surface

| | | | | | | | | | |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|
| UL or lot No. | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|

| | | | |
|-----------------------|----------------------|--------------------|-----------|
| Dedicated Acres 40 | Joint or Infill N | Consolidation Code | Order No. |
|-----------------------|----------------------|--------------------|-----------|

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

| | | | | |
|-------------------|--|--|--|--|
| LOT 1 40.89 AC | | | | |
| LOT 2 40.88 AC | | | | |
| LOT 3 40.84 AC | | | | |
| LOT 4 40.81 AC | | | | |

NM 104685
40 ac.

3622.7' 3619.6'

3622.3' 3617.6'

1650'

1980'

OPERATOR CERTIFICATION

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

Marc Wise
Signature

Marc Wise
Printed Name

President
Title

7/8/02
Date

SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision and that the same is true and correct to the best of my belief.

FEBRUARY 13, 2001

Date Surveyed
Signature & Seal of Professional Surveyor
Ronald J. Edson 02/14/01
01-11-0216

Certificate No. RONALD J. EDSON 3239
GARY EDSON 12641

REPORT NO.
8992907

PAGE NO. 1

TEST DATE:
08-MAY-2002

STAR

Schlumberger Testing Data Report Pressure Data Report

Schlumberger

COMPANY: LYNX PETROLEUM

WELL: HAWKEYE 7-#2

TEST IDENTIFICATION

Test Type OPEN HOLE DST
Test No. ONE
Formation MORROW
Test Interval (ft) 12178 to 12393
Depth Reference KB

WELL LOCATION

Field LUSK
County LEA
State NEW MEXICO
Sec/Twp/Rng 7/19s/32e
Elevation (ft) 3638

HOLE CONDITIONS

Total Depth (MD/TVD) (ft) 12393
Hole Size (in) 7.875
Casing/Liner I.D. (in) 8.62 @ 4500'
Perf'd Interval/Net Pay (ft) .. / 59
Shot Density/Diameter (in) ...

MUD PROPERTIES

Mud Type XANVIS-STARCH
Mud Weight (lb/gal) 9.5
Mud Resistivity (ohm.m)
Filtrate Resistivity (ohm.m) .. 0.095 @ 60F
Filtrate Chlorides (ppm) 56000

INITIAL TEST CONDITIONS

Initial Hydrostatic (psi) 6093.65
Gas Cushion Type
Surface Pressure (psi)
Liquid Cushion Type KCL WATER
Cushion Length (ft) 1150

TEST STRING CONFIGURATION

Pipe Length (ft)/I.D. (in) ... 11421 / 3.64
Collar Length (ft)/I.D. (in) .. 901 / 2.25
Packer Depths (ft) 12172, 12178,
Bottomhole Choke Size (in) ... 0.94
Gauge Depth (ft)/Type 12184/SLSR-703

NET PIPE RECOVERY

| Volume | Fluid Type | Properties |
|---------|------------|----------------------|
| 630 ft | KCL WATER | Rw1.359@60F 3000ppm |
| | MUD CUT | |
| 565 ft | WATER | Rw0.121@60F 42000ppm |
| 9985 ft | WATER | Rw0.132@60F 38000ppm |

NET SAMPLE CHAMBER RECOVERY

| Volume | Fluid Type | Properties |
|----------------|------------|----------------------|
| 4.77 cuft | Gas | |
| 5 cc | Oil | |
| 1900 cc | Water | Rw0.132@60F 38000pp |
| 0 cc | Mud | |
| Pressure: 3000 | | GOR: 151525 GLR: 398 |

INTERPRETATION RESULTS

Model of Behavior
Fluid Type Used for Analysis..
Reservoir Pressure (psi)
Transmissibility (md.ft/cp) ..
Effective Permeability (md) ..
Skin Factor/Damage Ratio
Storativity Ratio, Omega
Interporos.Flow Coef., Lambda..
Distance to an Anomaly (ft) ..
Radius of Investigation (ft) ..
Potentiometric Surface (ft) ..

ROCK/FLUID/WELLBORE PROPERTIES

Oil Density (deg. API)
Basic Solids (%)
Gas Gravity
GOR (scf/STB)
Water Cut (%)
Viscosity (cp)
Total Compressibility (1/psi).
Porosity (%) 10
Reservoir Temperature (F) 177
Form.Vol.Factor (bbl/STB)

PRODUCTION RATE DURING TEST: Data Report

COMMENTS:

We had a successful test. We recovered the 9 bbls. of kcl water that we ran as a cushion at the top. The middle was about 8 bbls. of mud cut water. The majority of the recovery at the bottom, was 134 bbls. of clear water that was of lower chlorides than the drilling mud. There was a very small trace of condensate inside the sample chamber. Thank you for using the blue guys.

| | | |
|-----------------------------------------|--------------------|--------------------|
| WELL TEST INTERPRETA N REPORT #:8992907 | | PAGE: 2, |
| CLIENT : LYNX PETROLEUM | | 10-MAY-88 |
| REGION :CSD | SEQUENCE OF EVENTS | FIELD:LUSK |
| DISTRICT:HOBBS | | ZONE :MORROW |
| BASE :MIDLAND | | WELL :HAWKEYE 7-#2 |
| ENGINEER:BILL GRAYSHAW | | LOCATION:7/19s/32e |

| DATE | TIME (HR:MIN) | DESCRIPTION | ET (MINS) | BHP (PSIA) | WHP (PSIG) |
|--------|------------------|----------------------------|--------------|---------------|---------------|
| ===== | | | | | |
| 08-MAY | | OPEN TO 1/8" BUBBLE HOSE | | | |
| | 21:50 | HYDROSTATIC MUD | -7 | 6094 | |
| | 21:55 | SET PACKERS | -2 | | |
| | 21:57 | START FLOW | 0 | 4095 | 2" |
| | | BOTTOM OF BUCKET 30 SEC. | | | |
| | 21:58 | | 1 | | 1 # |
| | 22:00 | | 3 | | 3 # |
| | 22:02 | 5 MIN | 5 | | 5.5# |
| | 22:07 | 10 MIN | 10 | | 16# |
| | 22:12 | END FLOW & START SHUT-IN | 15 | 4714 | 35# |
| | 22:14 | OPEN TO 3/4" CHOKE ONLY | 17 | | |
| | 22:43 | GAS TO SURFACE | 46 | | |
| | 22:10 | OPEN TO 1/4" CHOKE ONLY | 13 | | |
| | 23:12 | END SHUT-IN | 75 | 5112 | |
| | 23:13 | START FLOW | 76 | 4786 | 1 # |
| | 23:14 | | 77 | | 3.4# |
| | 23:18 | 5 MIN | 81 | | 6.4# |
| | 23:23 | 10 MIN - PRESSURE DROPPING | 86 | | 2.8# |
| | 23:28 | 15 MIN | 91 | | 1 # |
| | 23:43 | 30 MIN | 106 | | 3 oz. |
| 09-MAY | 00:13 | 60 MIN | 136 | | 6 oz. |
| | 00:43 | END FLOW & START SHUT-IN | 166 | 5109 | 5 oz. |
| | 05:40 | END SHUT-IN | 463 | 5119 | |
| | 05:42 | PULLED PACKERS LOOSE | 465 | | |
| | 05:43 | HYDROSTATIC MUD | 466 | 6089 | |
| | | PULLED TO FLUID | | | |
| | | DROPPED BAR REVERSE | | | |