

Submit 3 Copies To Appropriate District
Office
District I
1625 N. French Dr., Hobbs, NM 87240
District II
1301 W. Grand Ave., Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM
87505

State of New Mexico
Energy, Minerals and Natural Resources

Form C-103

June 19, 2008

HOBBS OCO
SEP 06 2008
RECEIVED

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

WELL API NO. 30-025-09387
5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No. 23267
7. Lease Name or Unit Agreement Name: Langlie Lynn Queen Unit
8. Well Number 4
9. OGRID Number 162928
10. Pool name or Wildcat Langlie Mattix 7 RVRS/Queen/GB
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3370' GR

SUNDRY NOTICES AND REPORTS ON WELLS
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

1. Type of Well: Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/>	2. Name of Operator Energen Resources Corporation
3. Address of Operator 3510 N. "A" St., Bldgs A & B, Midland, TX 79705	4. Well Location Unit Letter <u>K</u> : <u>1650</u> feet from the <u>South</u> line and <u>2310</u> feet from the <u>West</u> line Section <u>23</u> Township <u>23S</u> Range <u>36E</u> NMPM County <u>Lea</u>
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3370' GR	

12. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☒
TEMPORARILY ABANDON ☐ CHANGE PLANS ☐
PULL OR ALTER CASING ☐ MULTIPLE COMPL ☐
DOWNHOLE COMMINGLE ☐

OTHER: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐
COMMENCE DRILLING OPNS. ☐
CASING/CEMENT JOB ☐
INT TO PA PMX
P&A NR _____
P&A R _____

OTHER: _____

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

Energen Resources submits Plug and Abandon procedure for the LLQU #4. See attached:

Thank you!

NOTIFY OCD 24 HOURS PRIOR TO
BEGINNING PLUGGING OPERATIONS

Spud Date: _____

Rig Release Date: _____

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

SIGNATURE Brenda Rathjen TITLE Regulatory Analyst DATE 09/06/2017

Type or print name Brenda F. Rathjen E-mail address: Brenda.rathjen@energen.com PHONE 432-688-3323

For State Use Only

APPROVED BY Wahlquist TITLE Petroleum Engr. Specialist DATE 09/07/2017

Conditions of Approval (if any):

ENERGEN RESOURCES CORPORATION
Langlie Lynn Queen Unit #4, API # 30-025-09387

1650' FSL, 2310' FWL
Sec. 23, T-23-S, R-36-E
Lea County, NM

The LLQU #4 was completed as a 7Rivers-Queen producer. There is no known uphole potential. The well is not currently economic to produce. Following an attempt to TA the well, the liner top was leaking and would not hold pressure, so the well will not pass the required MIT test and needs to be plugged and abandoned.

For scope changes during work, stop and discuss with engineering before proceeding

API:	30-025-09387	KB:	3380'	PBTD:	3740'
Spud Date:	8/18/1949	GLE:	3370'	TD:	3750'

Temporary Abandon Procedure

SAFETY CONSIDERATIONS

Observe all Energen Guidelines for PPE and H2S Safety
Observe perforation and contractor safety guidelines
Wireline and explosives on location while perforating
Workstring should be in good condition and tested to 5000 psi.
BOP should be in good working condition and tested
Rig anchors will need to be tested prior to MIRU
Keep a TIW valve open and on the rig floor at all times

Notify the NM OCD 24 hours prior to starting P&A operations
Notify the BLM prior to starting P&A operations
Meet with engineer, superintendents, and consultant prior to beginning the job,
to assure that everyone is agreement with the procedure.

- 1 MIRU Well Service Unit.
- 2 Bleed well down.
- 3 NDWH
- 4 NU adapter flange and BOP for 7-5/8" csg and 2-3/8" tubing. Test to 500 psi above working pressure.
- 5 POOH and LD production string.
- 6 Use production tubing as workstring or:
- 7 Unload and rack 3600' 2-3/8" workstring. Maintain kill truck w/10 ppg brine on location.
- 8 RIH, tag cement @3338' above CIBP @ 3358'
- 9 RIH w/ workstring and circulate hole to 10 ppg mud *SPOT CMT FROM TAG TO 2650' (40 sx Class 'C')*
- 10 ~~Perf and squeeze 100 ex Class "C" cement at 3030-3700' (Yates and liner top), WOC and tag-~~ *WOC = TAG*
- 11 Pressure test casing to 500 psi.
- 12 ~~Perf and squeeze 50 sx "C" 1433'-1333' (top salt), WOC and tag~~
- 13 Perf and squeeze 50 sx "C" 1285-1185' (shoe), WOC and tag,
- 14 Perf and squeeze cement from ~~100'~~ *250'* to surface.
- 15 ND BOP. Top off well with cement. Verify cement to surface, all strings.
- 16 RD and clean location.
- 17 Cut off all casing strings at base of cellar or 3' below restored ground level.
- 18 Cover wellbore with metal plate welded in place or with cement cap.
- 19 Erect capped abandonment marker inscribed with well information.
- 20 Cut off dead man anchors and fill in cellar. RDMO.
- 21 Clean and restore location to natural condition and fulfill any and all regulatory requirements.

ENERGEN RESOURCES, INC.

Langlie Lynn Unit #4

Lea County, NM

GL Elevation: 3370'

KB Elevation: 3380'

Location: 1650' FSL, 2310' FWL,
Sec 23, T-23-S, R-36-E

updated: 3/3/17

API # 30-025-09387

Current Conditions: March-2017
Active-Pumping

Conductor:

None

Surface Casing:

10-3/4" 28# casing

@ 225' in 7" hole

Cemented to surface

W/500 sacks

7-5/8" 26# Casing @ 1235'

with 500 sacks cement

TOC: unknown

Production Casing:

5-1/2" 14# @2795'

with 600 sacks

Production Liner:

4 1/2" 16.60# Liner from 2768-3750'

@ 3750' in 6" hole

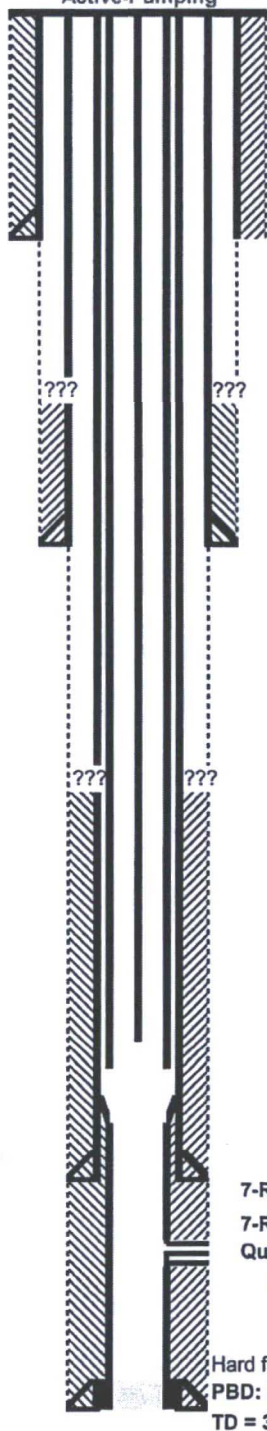
with 115 sacks

Downhole equipment:

2-3/8" tbg, API SN 3655.07"

142x3/4" "D" rods, 2x1-3/8" Flexbar "K"

sinker bars, 2.0x150 RHBC pump @2615'



7-Rivers Perfs: 3440-3478 (2/00)

7-Rivers Perfs: 3478-90, 3494-3503, 06, 10, 17-26' (1/90)

Queen Perfs: 3542-70, 3576-3614, 3618-3628'

Frac: 20,000 gals Lease oil

Hard fill to 3685'

PBD: 3740'

TD = 3750'

9/5/2017

H:\Central Basin Platform\LLQU\Well Data (all wells)\LLQU #4 P&A.xlsx

ENERGEN RESOURCES, INC.

Langlie Lynn Unit #4

Lea County, NM

Conductor:
None

Surface Casing:
10-3/4" 28# casing
@ 225' in 7" hole
Cemented to surface
W/500 sacks

7-5/8" 26# Casing @ 1235'
with 500 sacks cement

TOC: unknown

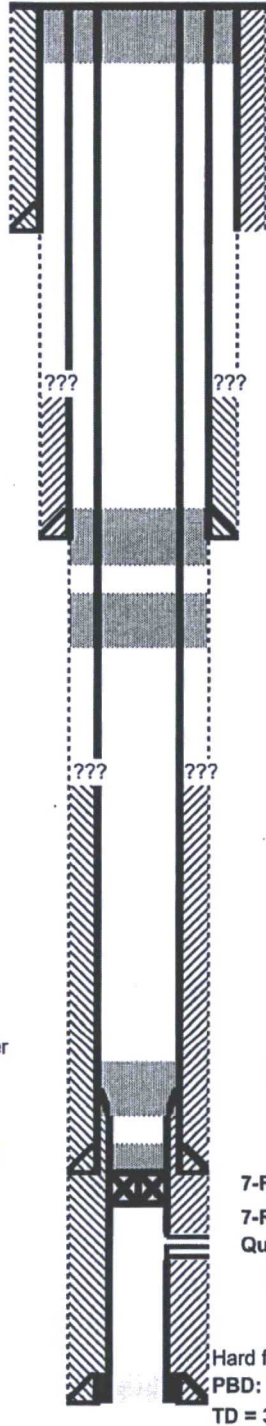
Production Casing:
5-1/2" 14# @2795'
with 600 sacks

Liner tests good.
2767' to surface tests good
Liner top leaks 180# in 8 minutes

4-1/2" CIBP @3358' w/ 3 sx w/ bailer
TOC 3338'

Production Liner:
4 1/2" 16.60# Liner from 2768-3750'
@ 3750' in 6" hole
with 115 sacks

Proposed Wellbore
P&A'd Producer



GL Elevation: 3370'

KB Elevation: 3380'

Location: 1650' FSL, 2310' FWL,
Sec 23, T-23-S, R-36-E

updated: 3/3/17

API # 30-025-09387

P,S cmt from 100' to surface

P,S,T 50 sx 1285-1195' (shoe)

P, S, T 50 sx 1433-1333' (top of salt)

P,S,T 3030'-2700' w/ 100 sx "C", (Yates & liner top)

7-Rivers Perfs: 3440-3478 (2/00)

7-Rivers Perfs: 3478-90, 3494-3503, 06, 10, 17-26' (1/90)

Queen Perfs: 3542-70, 3576-3614, 3618-3628'

Frac: 20,000 gals Lease oil

Hard fill to 3685'

PBD: 3740'

TD = 3750'

9/5/2017

H:\Central Basin Platform\LLQU\Well Data (all wells)\LLQU #4 P&A.xlsx