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

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

Form C-103
June 19, 2008

WELL API NO. 30-041-20449	
5. Indicate Type of Lease: STATE ☐ FEE ☒	
6. State Oil & Gas Lease No. 23845	

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.)

HOBBS OCD
JUN 08 2017
RECEIVED

1. Type of Well: Oil Well ☒ Gas Well ☐ Other
7. Lease Name or Unit Agreement Name: Lambirth
8. Well Number: 1
2. Name of Operator: Energen Resources Corporation
9. OGRID Number: 162928
3. Address of Operator: 3510 N. "A" St., Bldgs A & B Midland, TX 79705
10. Pool name or Wildcat: Peterson; Fusselman, South
4. Well Location
Unit Letter K : 1980 feet from the South line and 1980 feet from the West line
Section 31 Township 5-S Range 33-E NMPM County Roosevelt
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 4414 GR

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

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK ☐	PLUG AND ABANDON ☒	REMEDIAL WORK ☐	ALTERING CASING ☐
TEMPORARILY ABANDON ☐	CHANGE PLANS ☐	COMMENCE DRILLING OPNS. ☐	INT TO PA Pm X
PULL OR ALTER CASING ☐	MULTIPLE COMPL ☐	CASING/CEMENT JOB ☐	P&A NR ____
DOWNHOLE COMMINGLE ☐			P&A R ____
OTHER: ☐		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.

Proposed Plug & Abandon PROCEDURE 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 06/07/2017

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

For State Use Only

APPROVED BY [signature] TITLE Petroleum Engr. Specialist DATE 06/08/2017

Conditions of Approval (if any):

ENERGEN RESOURCES CORPORATION

Lambirth #1, API # 30-041-20449
AFE # PB17500185, $75,000
1980' FSL, 1980' FWL
Sec. 31, T-5-S, R-33-E
Roosevelt County, NM

The Lambirth #1 was spud 03/31/78, and was completed 06/03/1978 as a Fusselman producer. The last production was in 2014. The well developed a casing leak, and over $800,000 was spent trying to repair the casing leak. After giving up, an ESP was set high, but the well produced so much salt that producing facilities had to be cleaned "every two days". All equipment was pulled in 2015, and the well was left shut-in. It needs to be P&A'd to remove it from the New Mexico "Inactive Well List". Extra costs are included due to historical issues with the well.

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

API:	30-041-20449	KB:	4429'	PBTD:	7927' (junk in hole)
Spud Date:	6/6/1978	GLE:	4414'	TD:	7992'

Plug and Abandon Procedure – Proposed

<u>SAFETY CONSIDERATIONS</u>

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

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 5-1/2" csg and 2-7/8" tubing. Test to 500 psi above working pressure.
5. Unload and rack 8,000' 2-7/8" workstring. Maintain kill truck w/10 ppg brine on location. RIH w/ bit and scraper to PBTD at approx 7927'
6. RIH and set CIBP @ 7750'
7. Spot 25 sx through tubing on top CIBP.
8. RIH with workstring. Tag ~~CIBP @7750'~~. cmt.
9. Circulate hole to 10 ppg mud and pressure test csg to 500 psi.
10. RIH w/ workstring and packer. Tag cmt above CIBP.
11. Perforate and squeeze at 6535' w/ 35 sxs cement plug and displace to 6435'.
12. WOC and tag.
13. Spot 25 sx @ 6050-5950', possible casing leak, WOC & tag
14. Spot 25 sx 5600-5500', casing leak, WOC & tag
15. Spot 25 sx @ 4604, DV tool, WOC & tag
16. Perforate and squeeze at 3377' w/ 35 sxs cement plug and displace to 3277'. (shoe)
17. WOC and tag.
18. Perf and squeeze spot 40 sxs Class "C" cement at 2750', WOC and tag
19. Perf and squeeze 40 sxs Class "C" cement at 1900', WOC and tag
20. Perf and squeeze from 405' to surface (shoe)
21. ND BOP. Top off well with cement.
22. RD and clean loaction.
23. Cut off all casing strings at base of cellar or 3' below restored ground level.
24. Verify cement to surface all strings.
25. Cover wellbore with metal plate welded in place or with cement cap.
26. Erect capped abandonment marker inscribed with well information.
27. Cut off dead man anchors and fill in cellar. RDMO.
28. Clean and restore location to natural condition and fulfill any and all regulatory and land requirements.

ENERGEN RESOURCES CORPORATION

Lambirth #1
Roosevelt Co., NM

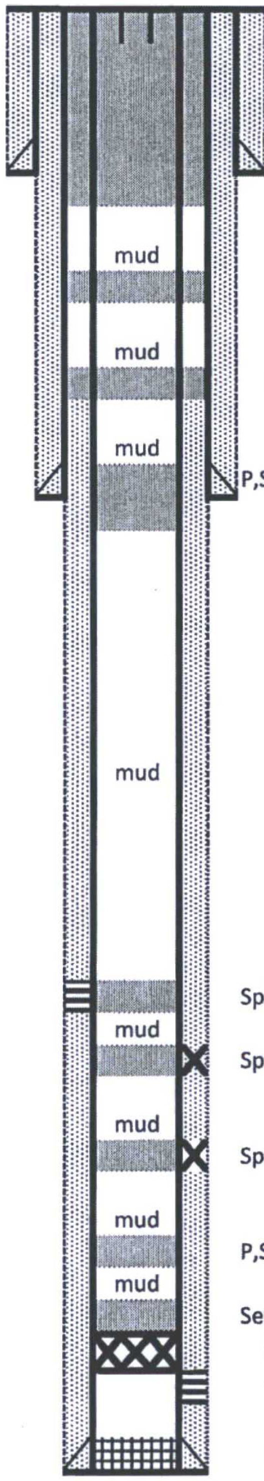
Proposed P&A
5-Jun-17

GL Elevation: 4414'
KB Elevation: 4429', 15' AGL
Location: 1980' FSL' & 1980' FWL,
Sec 31, T-5-S, R-33-E

API # 30-041-20449
100% W.I.
South Perterson - Fusselman Field

Conductor:
None

Surface Casing:
13-3/8", 48#, in 17-1/2" hole
@ 355' w/ 350 sx,
circulated to surface



P,S,T 65 sx 405' to surface

Spud 3/31/78
Completed 6/3/78

P,S,T 35 sx 1900-1800'

P,S,T 35 sx 2750-2650

Intermediate Casing
8-5/8", 24# & 32#, @3327' in
12-1/4" hole w/ 1650 sx
Howco lite and 300 sc "C",
circ to surface

P,S,T 35 sx 3377-3277'

Tops:

San Andres	3126
Glorieta	4449
Tubb	5770
Abo	6530
Wolfcamp	7154
Penn	7580
Silurian	7750
Fusselman	7800
Granite	7926

DV Tool @ 4554' — Spot 25 sx @ 4604' (DV tool), WOC & Tag

Casing leak @ about 5500' — Spot 25 sx @ 5600'-5500', WOC & tag

casing tight @5997'--
milled into formation — Spot 25 sx @ 6050-5950', WOC & tag

P,S,T 6535-6435' (Abo)

Set CIBP @7750' w/ 25 sx through tbg

Production Casing:
5-1/2", 15.5#, K-55, ST&C in
7-7/8" hole @ 7959', w/ 325
sx "H" 50/50 Pozmix and 400
sx Howco Lite

Perfs:
7808-7852'

Packer in hole 7900'

PBTD 7927'
TD 7992'

ENERGEN RESOURCES CORPORATION

Lambirth #1
Roosevelt Co., NM

Current Borehole
5-Jun-17

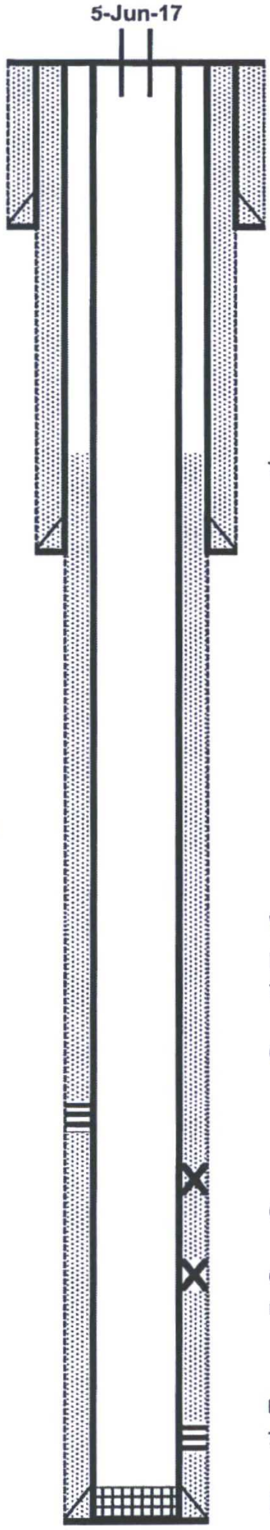
GL Elevation: 4414'
KB Elevation: 4429', 15' AGL
Location: 1980' FSL & 1980' FWL,
Sec 31, T-5-S, R-33-E

API # 30-041-20449
100% W.I.
South Perterson - Fusselman Field

Spud 3/31/78
Completed 6/3/78

Conductor:
None

Surface Casing:
13-3/8", 48#, in 17-1/2" hole
@ 355' w/ 350 sx,
circulated to surface



TOC = ??

Intermediate Casing
8-5/8", 24# & 32#, @3327' in
12-1/4" hole w/ 1650 sx
Howco lite and 300 sc "C",
circ to surface

Tops:

San Andres	3126
Glorieta	4449
Tubb	5770
Abo	6530
Wolfcamp	7154
Penn	7580
Silurian	7750
Fusselman	7800
Granite	7926

Tubing pulled 2/3/15,
packed tbg hgr w/ cable and
2-7/8"x4' sub w/ 2 collars

With an ESP set high, about 3500', the well will produce about 50 BOPD + 3000 BWPD + enough salt to require cleaning out vessels every second day.

Could isolate casing leak and run patch?

DV Tool @ 4554'

Casing leak @ about 5500'

casing tight @5997'--
milled into formation

Production Casing:
5-1/2", 15.5#, K-55, ST&C in
7-7/8" hole @ 7959', w/ 325
sx "H" 50/50 Pozmix and 400
sx Howco Lite

Perfs:
7808-7852'

Packer in hole 7900'

PBTD 7927'
TD 7992'

6/5/2017

Lambirth 1 P&A pkg.xlsx