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

HOBBS OCD
JUL 10 2017
RECEIVED

Form C-103
June 19, 2008

WELL API NO. 30-025-35586

5. Indicate Type of Lease STATE [X] FEE [ ]

6. State Oil & Gas Lease No. 27820

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.)

7. Lease Name or Unit Agreement Name: West Lovington Strawn Unit

1. Type of Well: Oil Well [X] Gas Well [ ] Other

8. Well Number 20

2. Name of Operator: Energen Resources Corporation

9. OGRID Number 162928

3. Address of Operator: 3510 N. A Street, Bldgs. A & B Midland, TX 79705

10. Pool name or Wildcat: Lovington; Strawn, West

4. Well Location

Unit Letter F : 1980 feet from the North line and 1980 feet from the West line

Section 34 Township 15S Range 35E NMPM County Lea

11. Elevation *(Show whether DR, RKB, RT, GR, etc.)* 3964' 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	[X]	REMEDIAL WORK	[ ]	ALTERING CASING	[ ]
TEMPORARILY ABANDON	[ ]	CHANGE PLANS	[ ]	COMMENCE DRILLING OPNS.	[ ]		
PULL OR ALTER CASING	[ ]	MULTIPLE COMPL	[ ]	CASING/CEMENT JOB	[ ]	INT TO PA PMX	
DOWNHOLE COMMINGLE	[ ]					P&A NR	
						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.

Energen Resources submits notice of intention to P&A the WLSU #20:

See attached:
Proposed Plug & Abandon Procedure
Current Wellbore Diagram
Proposed Wellbore Diagram

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 F Rathjen TITLE Regulatory Analyst DATE 07/06/2017

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

For State Use Only

APPROVED BY Mark Whitaker TITLE Petroleum Engr. Specialist DATE 07/10/2017

Conditions of Approval (if any):

Lse # 27820

ENERGEN RESOURCES CORPORATION

WLSU 20, API # 30-025-35586

AFE # PB17500147, $30,000

1980' FNL, 1980' FWL

Sec. 34, T-15-S, R-35-E

Lea County, NM

The WLSU 20 was spud 09/06/2001, and was completed 10/21/2001 as a Strawn producer. It was TA'd 11/30/2001, due to communication between perfs. The well was plugged back and side-tracked in May 2002. The well was shut-in Aug. 2015 after not making any oil since Nov. 2012. It is not economic to produce, and needs to be P&A'd.

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

API:	30-025-35586	KB:	3980'	PBTD:	11781'
Spud Date:	9/6/2001	GLE:	3964'	TD:	11,830'

Plug and 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 FAA five days prior to starting P&A operations
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.

Bid as a turnkey project.

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 POOH and LD production string.
6 Unload and rack 12,000' 2-7/8" workstring. Maintain kill truck w/10 ppg brine on location.
7 RIH, set CIBP @11,535', and dump bail 5 sx cmt or 25 sx "H" cmt through tubing.
8 RIH w/ workstring and packer. Tag cmt above CIBP.
9 RIH with workstring. Circulate hole to 10 ppg mud. Pressure test csg to 500 psi.
10 Perforate and squeeze at 9600' w/ 30 sxs cement plug and displace to 9500' (Wolfcamp)
11 WOC and tag.
12 Perforate and squeeze at 6500' w/ 30 sxs cement plug and displace to 6400'.
13 WOC and tag.
14 Perforate and squeeze at 4877' w/ 40 sxs cement plug and displace to 4777'. (shoe)
15 WOC and tag.
16 Perf and squeeze 40 sxs Class "C" cement at 3100' (base salt). WOC and tag.
17 Perf and squeeze 40 sxs Class "C" cement at 1900' (top salt), WOC and tag.
18 Pef and squeeze cmt from 473' to surface (shoe).
19 ND BOP. Top off well with cement. Verify cement to surface all strings.
20 RD and clean location.
21 Cut off all casing strings at base of cellar or 3' below restored ground level.
22 Cover wellbore with metal plate welded in place or with cement cap.
23 Erect capped abandonment marker inscribed with well information.
24 Cut off dead man anchors and fill in cellar. RDMO.
25 Clean and restore location to natural condition and fulfill any and all regulatory requirements.

ENERGEN RESOURCES CORPORATION

West Lovington Strawn Unit #20

GL Elevation: 3964'
KB Elevation: 3980'
Location: 1980' FNL X 1980' FWL, Sec 34, T-15-S, R-35-E

Lea County, NM

Current Condition-Shut-in 3/15/2017

Spud: 09/06/2001
API: 30-025-35586

Conductor:
NA

411'

Surface Casing:
13-3/8" 48#, H-40 ST&C
@ 411' in 17-1/2" hole
Cement to surface
w/ 300 sx Class "C" + 4% gel + 2% CaCl2 & 1/4# of Cello Flake/sx,
FB 100 Sx Class "C" + 2% CaCl2 & 1/4# of Cello Flake/sx,
Circulated 96 sx to pit

1-1/4"x16' GA on 25-125-HXBC-30-5-4, 333' stroke, .006 fir pump #QH-2432, 1-7/8"x2' lift sub, 12x1.5 "C" sinker bars, 220x7/8" Norris 90 rods, 155x1.25"x37-1/2' Fibercom rods, 1x1.25x3' FG pony rod, 1-1/2x30' PR, 368 jts 2-7/8" tbg (11,613.07'), L/N-80, 1x31.27' BJ, 1x1.1' SN @11,660' KB, 1x2.7' TAC, 1x32.12' MA, EOT 11,696.26' KB.

T. SALT 1973'
B. SALT 3045'

4827'

Intermediate Casing:
8-5/8" 32#, K-55 & HCK-55 @ 4827'
in 11" hole, cmt w/
1,500 sx 50/50 Poz "C" + 10% Gel, 5% Salt, 3# Gilsonite, 1/4#/sack
Tailed w/ 200 sx Class "C" + 1% CaCl2, Gilsonite, 1/4#sack Cello Flakes
Circulated 205 sx to pit
TOC: Surface'

Sidetrack: TD: 11,830' (MD), PBTD: 11,781', 5-1/2" HCL-80 & L-80, 17# R-3 @ 11,830' w/ 400 sx "H", tail w/ 900 sx 50/50 "H", **TOC 3660'** by CBL

Has tubing in well, approximately to PBTD. Rods and pump have been pulled.

TOC for 5-1/2" sidetrack in 7-7/8" hole is 3660'

Set CIBP 11,550' w/ 2 sxs cmt by bailer. Jet-cut 5-1/2" @8200', Pull csg, Spot 200 sx "H" plug 8297-7700', D/O to 8000'. TIH directional tools, drill side track.

Strawn Perfs: 11,628'-11,636' (8'/240 holes) Squeezed w/100 sx "H", Re-perf: 11,550'- 11,584' (34'/102 holes), Cement Retainer @ 11,578', Squeeze Perfs: 11,595' - 11,596', Squeezed Channel w/50 sx Class "H", TA'd

Strawn perfs: 11,615'-11,619', 11,582'-11,612', 128 holes

Perf 11628-11636', 24 holes, Strawn squeeze under retainer

TD: 11,902'

PBTD: 11,781'
TD: 11,830'

Production Casing:
5 1/2" HCL-80 & L-80 17.00# set @ 11,902'
in 7-7/8" hole w/ 800 sx 50/50 Poz/ "H" + 1# salt, 2% gel, .5% FL-25, .5% FL-52 & 1/4# of Cello Flake/sx
TOC: 8548' by CBL

ENERGEN RESOURCES CORPORATION

West Lovington Strawn Unit #20

Lea County, NM

GL Elevation: 3964'
KB Elevation: 3980'
Location: 1980' FNL X 1980' FWL, Sec 34, T-15-S, R-35-E
Spud: 09/06/2001
API: 30-025-35586

After P&A
3/15/2017

Conductor:
NA

411'

Surface Casing:
13-3/8" 48#, H-40 ST&C
@ 411' in 17-1/2" hole
Cement to surface
w/ 300 sx Class "C" + 4% gel + 2% CaCl2 & 1/4# of Cello Flake/sx,
FB 100 Sx Class "C" + 2% CaCl2 & 1/4# of Cello Flake/sx,
Circulated 96 sx to pit

4827'

Intermediate Casing:
8-5/8" 32#, K-55 & HCK-55 @ 4827' in 11" hole, cmt w/
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Tailed w/ 200 sx Class "C" + 1% CaCl2, Gilsonite, 1/4#sack Cello Flakes
Circulated 205 sx to pit
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