

Wells within 1/2 mile radius of Langlie Lynn Queen Unit Well #3

TD	Type	OPERATOR	LEASE & WELL	LOCATION				Date Drilled	Notes
				Letter	Sec.	Twp	Range	Footage	
3630'	P&A	Grace Petroleum	New Mexico "AA" State #3	H	22	T23S	R36E	2310' FNL, 330' FEL	12/24/1959
3130'	G	Doyle Hartman	New Mexico "AA" State #1	H	22	T23S	R36E	1980' FNL, 660' FEL	6/15/1960
3765'	O&G	Energien Resources	Langlie Lynn Queen Unit #2	I	22	T23S	R36E	1980' FSL, 660' FEL	2/29/1960
3812'	P&A	Energien Resources	Langlie Lynn Queen Unit #1	J	22	T23S	R36E	1980' FSL, 1980' FEL	9/7/1960
3610'	G	Lanexco Inc.	El Paso State #1	J	22	T23S	R36E	1880' FSL, 1650' FEL	6/9/1979
3843'	inj.	Energien Resources	Langlie Lynn Queen Unit #23	J	22	T23S	R36E	1863' FSL, 1950' FEL	2/13/2000
3800'	P&A	Energien Resources	Langlie Lynn Queen Unit #10	O	22	T23S	R36E	640' FSL, 1650' FEL	6/12/1963
3800'	O&G	Energien Resources	Langlie Lynn Queen Unit #9	P	22	T23S	R36E	660' FSL, 330' FEL	4/12/1963
3426'	G	Gruy Petroleum Mgmt	Shell State #3	P	22	T23S	R36E	660' FSL, 660' FEL	4/14/1954
3569'	O&G	Raptor Resources Inc.	State A A/C-1 #65	D	23	T23S	R36E	660' FNL, 760' FWL	8/26/1959
3587'	O&G	Raptor Resources Inc.	State A A/C-1 #72	E	23	T23S	R36E	1980' FNL, 660' FWL	11/15/1959
3670'	O&G	Raptor Resources Inc.	State A A/C-1 #27	F	23	T23S	R36E	1650' FNL, 1650' FWL	3/20/1949
3585'	O&G	Raptor Resources Inc.	State A A/C-1 #84	G	23	T23S	R36E	1980' FNL, 2310' FEL	3/7/1960
3734'	inj.	Energien Resources	Langlie Lynn Queen Unit #5	J	23	T23S	R36E	1980' FSL, 1980' FEL	11/17/1960
3751'	O&G	Energien Resources	Langlie Lynn Queen Unit #4	K	23	T23S	R36E	1650' FSL, 2310' FWL	11/3/1960
3711'	O&G	Energien Resources	Langlie Lynn Queen Unit #8	M	23	T23S	R36E	660' FSL, 660' FWL	1/30/1963
3550'	G	Arco Permian	Sinclair A State #10	M	23	T23S	R36E	990' FSL, 990' FWL	3/24/1990
3800'	inj.	Energien Resources	Langlie Lynn Queen Unit #7	N	23	T23S	R36E	660' FSL, 1980' FWL	11/25/1962
3750'	O&G	Energien Resources	Langlie Lynn Queen Unit #12	D	26	T23S	R36E	660' FNL, 660' FWL	6/10/1963

WELL DATA SHEET

OPERATOR: Energen Resources

WELL NAME & NUMBER: Langlie Lynn Queen Unit #1

WELL LOCATION: 1980' FSL, 1980' FEL J 22 T-23-S R-36-E Lea
(Footage Location) (Unit Letter) (Section) (Township) (Range) (County)

WELL CONSTRUCTION DATA

Surface Casing

Hole Size: 11"

Casing Size: 8-5/8"

Cemented with: 280 sacks (or) ft3

Top of Cement: Surface

Method Determined: Visual

Production Casing

Hole Size: 6-3/4"

Casing Size: 4 1/2"

Cemented with: 250 sacks (or) ft3

Top of Cement: 2745'

Method Determined: CBL

Total Depth: 3812'

Injection Interval

P&A feet to (Indicate whether Open Hole or perforated)

Tubing Detail

Tubing Size:

Lining Material:

Type of Packer:

Packer Setting Depth:

Other Type of Tubing/Casing Seal (if applicable):

Additional Data

1. Is this a new well drilled for injection? No
- If no, for what purpose was the well originally drilled? Oil and gas
2. Name of the Injection Formation: n/a
3. Name of Field or Pool (if applicable): Langlie Mattix Seven Rivers-Queen-Grayburg
4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail, i.e. sacks of cement or plug(s) used.
- Original perfs in interval from 3622' to 3766'
- Originally PA'd 11-2-92
- Set cmt retainer @ 3550'
- Squeezed w/ 50 sx
- Spot 7 sx cmt on top of retainer (TOC 3425')
- Spot 25 sx cmt @ 1300' (TOC @ 931')
- Perf. @ 375'. Pump 148 sx cmt to surface.
- Re-entry PA'd 1-28-00
- See attached sheet for plugging details
5. Give the name and depths of any oil or gas zones underlying or overlying the proposed injection zone in this area:
- Jalmat Yates Gas Zone, Top @ approx. 3040'

Completion Record

Perfs: See attached diagram

District Office _____

OIL CONSERVATION DIVISION

DISTRICT I
P.O. Box 1980, Hobbs, NM 88240OIL CONSERVATION DIVISION
2040 Pacheco St.
Santa Fe, NM 87505DISTRICT II
P.O. Drawer DD, Artesia, NM 88210DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

WELL APT NO.	30-025-09380
5. Indicate Type of Lease	STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No.	23267

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 type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER Plugged	7. Lease Name or Unit Agreement Name Langlie Lynn Queen Unit
2. Name of Operator Energen Resources Corporation	8. Well No. 1
3. Address of Operator 3300 N. A St, Bldg 4, Ste 100, Midland, TX 79705	9. Pool name or Wildcat Langlie Mattix 7 RVS Queen
4. Well Location Unit Letter <u>J</u> : <u>1980</u> Feet From The <u>South</u> Line and <u>1980</u> Feet From The <u>East</u> Line Section <u>22</u> Township <u>23-S</u> Range <u>36-E</u> NMPM Lea County	
10. Elevation (Show whether DF, RKB, RT, GR, etc.) 3388' GL	

11. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data	
NOTICE OF INTENTION TO: PERFORM REMEDIAL WORK <input checked="" type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> TEMPORARILY ABANDON <input type="checkbox"/> CHANGE PLANS <input type="checkbox"/> PULL OR ALTER CASING <input type="checkbox"/> OTHER: <input type="checkbox"/>	SUBSEQUENT REPORT OF: REMEDIAL WORK <input checked="" type="checkbox"/> ALTERING CASING <input type="checkbox"/> COMMENCE DRILLING OPNS. <input type="checkbox"/> PLUG AND ABANDONMENT <input type="checkbox"/> CASING TEST AND CEMENT JOB <input type="checkbox"/> OTHER: <input type="checkbox"/>

12. 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.

01/27-28/2000: Cut-off the P&A marker. Stubbied the 4 1/2" casing back to surface. NU a Larkin "R" type tubing head, & BOP. RIH w/ a 3 7/8" blade bit. Tagged up @ 167'. Drilled medium-hard cement down to & fell out @ 372'. Circulated the hole clean & pressured the casing to 500# which leaked-off down to 250# in 6 minutes. RIH & tagged up @ 958'. Drilled cement to 1,021', determined bit was outside the casing. POOH. RIH to 1,021'. RU Triple N Services & mixed & spotted 25 sacks of Class "C" neat. POOH to 386', spotted 25 sacks of Class "C" neat. POOH to 31' FS & mixed & spotted a 10 sack Class "C" Surface plug. Cut-off 4 1/2" casing & welded on Dry-Hole marker. Filled in the working pit, dug up the anchors, filled the cellar, & cleaned the location to it's pre-move-in condition. The well is P&A'd.

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

SIGNATURE Denise Menoud TITLE Production Tech. DATE 2/15/00
 TYPE OR PRINT NAME Denise Menoud TELEPHONE NO. (915) 697-1

(This space for State Use)

APPROVED BY _____ TITLE _____ DATE _____
 CONDITIONS OF APPROVAL IF ANY:

ENERGEN RESOURCES, INC.

Langlie Lynn Unit #1
Lea County, NM

GL Elevation: 3388'

KB Elevation: 3399.3'

Location: 1980' FSL, 1980' FEL,
Sec 22, T-23-S, R-36-E

Current Conditions: Mar-00

PxA

Conductor:

None

Surface Casing:

8-5/8" 32# H-40, ST&C

@ 324' in 11" hole

Cemented to surface

W/275 sx Regular Neat

10 sacks "C" at surface (01/28/00)

Well Head Assembly:

None--Well PxA

Dry Hole Marker installed

Intermediate Casing:

None

25 sacks "C" from 386' (01/28/00) (Calc top @ 26')
Perf @ 375' Pump 148 sacks circ. to surface (10/29/92)
Drilled out (01/27/00)

Drilled out to 1021'--bit outside casing (01/27/00)
25 sacks "C" from 1021' (01/28/00)

25 sacks "C" from 1300' (tagged top @ 931') (10/29/92)

TOC 2745' By CBL

7 sx cement on retainer (tag @ 3425')

Retainer @ 3550'- Squeezed w/50 sx (10/29/92)

Perfs: 7 Rivers--3622-28, 34-38, 42-46, 48-52, 60-66'

Queen--3682-3708, 19-24, 29-32, 36-40, 66'

Frac W/ 36,000 gal lease oil + 54,000# sand

Production Casing:

4 1/2" 11.6# (1-jt) & 9.5 # J-55 ST&C

@ 3812' in 6-3/4" hole

200 Sx Regular Cement + 4% gel

PBD: 3782'

TD = 3812'

Langlie Lynn Unit #1
Lea County, NM

GL Elevation: 3388'
 KB Elevation: 3399.3'
 Location: 1980' FSL, 1980' FEL,
 Sec 22, T-23-S, R-36-E

Current Conditions: Mar-00
 PxA

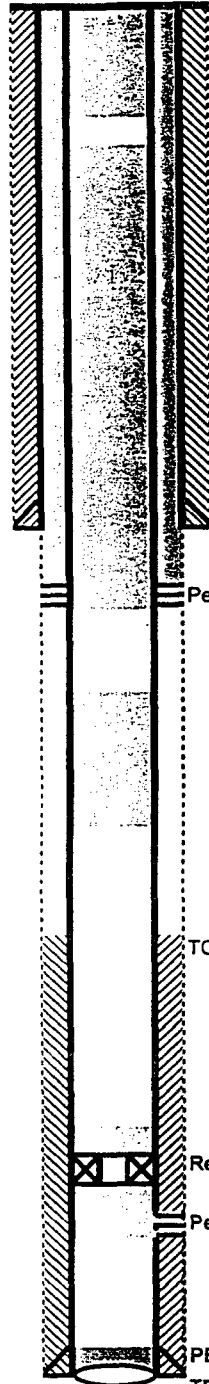
Conductor:
 None

Surface Casing:
 8-5/8" 32# H-40, ST&C
 @ 324' in 11" hole
 Cemented to surface
 W/275 sx Regular Neat

Well Head Assembly:
 None--Well PxA
 Dry Hole Marker installed

Intermediate Casing:
 None

Production Casing:
 4 1/2" 11.6# (1-jt) & 9.5 # J-55 ST&C
 @ 3812' in 6-3/4" hole
 200 Sx Regular Cement + 4% gel



10 sacks "C" at surface (01/28/00)

25 sacks "C" from 386' (01/28/00) (Calc top @ 26')
 Perf @ 375' Pump 148 sacks circ. to surface (10/29/92)
 Drilled out (01/27/00)

Drilled out to 1021'--bit outside casing (01/27/00)
 25 sacks "C" from 1021' (01/28/00)

25 sacks "C" from 1300' (tagged top @ 931') (10/29/92)

TOC 2745' By CBL

7 sx cement on retainer (tag @ 3425')
 Retainer @ 3550'- Squeezed w/50 sx (10/29/92)

Perfs: 7 Rivers--3622-28, 34-38, 42-46, 48-52, 60-66'
 Queen--3682-3708, 19-24, 29-32, 36-40, 66'
 Frac W/ 36,000 gal lease oil + 54,000# sand

PBD: 3782'
 TD = 3812'

WELL DATA SHEET

OPERATOR: Energen Resources

WELL NAME & NUMBER: Langlie Lynn Queen Unit #2

WELL LOCATION: 1980' FSL, 660' FEL I 22 T-23-S R-36-E Lea
(Footage Location) (Unit Letter) (Section) (Township) (Range) (County)

WELL CONSTRUCTION DATA

Surface Casing

Hole Size: 11"

Casing Size: 8-5/8" @ 320'

Cemented with: 275 sacks (or) ft3

Top of Cement: Surface

Method Determined: Visual

Production Casing

Hole Size: 7-7/8"

Casing Size: 5-1/2" @ 3761'

Cemented with: 200 sacks (or) ft3

Top of Cement: Unknown

Method Determined:

Total Depth: 3765'

Injection Interval

3510' feet to 3732' (Indicate whether Open Hole or perforated) perforated

Tubing Detail

Tubing Size: 2-3/8" @

Lining Material:

Type of Packer: None

Packer Setting Depth:

Other Type of Tubing/Casing Seal (if applicable):

Additional Data

1. Is this a new well drilled for injection? No
- If no, for what purpose was the well originally drilled? Oil and gas
2. Name of the Injection Formation: n/a
3. Name of Field or Pool (if applicable): Langlie Mattix Seven Rivers-Queen-Grayburg
4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail, i.e. sacks of cement or plug(s) used. No
5. Give the name and depths of any oil or gas zones underlying or overlying the proposed injection zone in this area:
Jalmat Yates Gas Zone, Top @ approx. 3040'

Completion Record

Perfs: See attached diagram

Acid, Shot, Fracture, Squeeze:

Office
District I
1625 N. French Dr., Hobbs, NM 87240
District II
811 South First, Artesia, NM 87210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
2040 South Pacheco, Santa Fe, NM 87505

En , Minerals and Natural Resources

Revised March 25, 1999

OIL CONSERVATION DIVISION
2040 South Pacheco
Santa Fe, NM 87505

WELL API NO. 30-025-09379
5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name: Langlie Lynn Queen Unit
8. Well No. 2
9. Pool name or Wildcat Langlie Mattix 7 RVRs/Queen/GB

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	2. Name of Operator Energen Resources Corporation
3. Address of Operator 3300 N. "A" St., Bldg 4, Ste. 100, Midland, TX 79705	4. Well Location Unit Letter <u>I</u> : <u>1980</u> feet from the <u>South</u> line and <u>660</u> feet from the <u>East</u> line Section <u>22</u> Township <u>23S</u> Range <u>36E</u> NMPM County <u>Lea</u>
10. Elevation (Show whether DR, RKB, RT, GR, etc.)	

11. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data	
NOTICE OF INTENTION TO: PERFORM REMEDIAL WORK <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> TEMPORARILY ABANDON <input type="checkbox"/> CHANGE PLANS <input type="checkbox"/> PULL OR ALTER CASING <input type="checkbox"/> MULTIPLE COMPLETION <input type="checkbox"/> OTHER: <input type="checkbox"/>	SUBSEQUENT REPORT OF: REMEDIAL WORK <input checked="" type="checkbox"/> ALTERING CASING <input type="checkbox"/> COMMENCE DRILLING OPNS. <input type="checkbox"/> PLUG AND ABANDONMENT <input type="checkbox"/> CASING TEST AND CEMENT JOB <input type="checkbox"/> OTHER: <input type="checkbox"/>

12. 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.

02/02/00: MIRUPU to repair csg leak between 570'-602' FS. Shot 4 sqz holes @ 2,700' FS & 4 holes @ 1,589' FS. Set cmt ret @ 1,521', sqz'd the 5 1/2" x 8 5/8" annulus in 2 stages: 400 sx C1 C (slurry-679 cu.ft.) & 175 sx C1 C (surry-253 cu.ft.). 5-sx circ

02/04-10/00: D.O. cmt. tested sqz. still had some leak-off. Re-sqz'd as follows: spotted 12 sx @ 2702' (slurry-16.2 cu.ft.). 6 sx @ 1622'. & 12 sx @ 608'. D.O. cmt. tested sqz. pressure held. Ran CNL/GR/CCL. new WL PBTD @ 3738'.

02/11/00: Perf 7 RVRs/Queen @ 3510'-88' (total of 120 new holes). Acidized w/ 3000 gals 15% HCL.

02/16/00: RIH w/ 2 3/8" tbg. set @ 3582'. RIH w/ 2 x 1 1/2 x 12 RWBC pump.

02/29/00: 24 hr retest: 5 BO/ 33 BW/ 0 MCF. RIH w/ add. 4 jts tbg. set @ 3708'.

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

SIGNATURE Denise Menoud TITLE Production Tech. DATE 3/15/2000

Type or print name Denise Menoud Telephone No. (915)687-2074

(This space for State use)

APPROVED BY ORIGINAL SIGNED BY CHRIS WILLIAMS DATE MAR 28 2000
DISTRICT I SUPERVISOR TITLE
Conditions of approval, if any:

ENERGEN RESOURCES, INC.

Langlie Lynn Unit #2

Lea County, NM

Current Conditions: 11/01/2001

Active Producer

Conductor:

None

Surface Casing:

8-5/8" 32# H-40, ST&C

@ 380' in 12-1/4" hole

Cemented to surface

W/275 sx Regular Neat

GL Elevation: 3391'

KB Elevation: 3400.6, 9.6' ACHF

Location: 1980' FSL, 660' FEL,

Sec 22, T-23-S, R-36-E

Spud: 02/20/1960 Completed: 02/29/1960

API No: 30-025-09379

Tubing Detail (Last Available)

#Jts	O.D.	Thread	Type	Weight
118	2 3/8"	8 rd	EUE	4.7

Rod Detail (Last Available)

#Rods	Length	Size/Type	Pump	Ponies
145	3625	3/4" D		1-3/4" x 6'
				2-3/4" x 8'
			2"x1-1/2"x12' RWBC	

Intermediate Casing:

None

NOTE: Casing leak isolated from 570-602'. Repaired. (02/00)

TOC: 2768'

Production Casing:

5 1/2" 15.50# J-55 ST&C

@ 3761' in 7-7/8" hole

200 Sx Regular Cement + 4% gel

Perfs:

7 Rivers: 3590-3594' (02/60); 3510-16, 32-42, 65-73, 82-88 (90 degree ph

7 Rivers: 3590-94'

Queen: 3626-30, 69-73, 85-91, 96-99'

3705-09, 13-16, 19-22, 28-32'

Top interval 4 JSPF, all others 2 JSPF

Frac W/ 27,000 gal lease oil + 1.5 ppg sand

PBD: Baffle @ 3741'

TD = 3765'

WELL DATA SHEET

OPERATOR: Energen Resources

WELL NAME & NUMBER: Langlie Lynn Queen Unit #4

WELL LOCATION: 1650' FSL, 2310' FWL K 23 T-23-S R-36-E Lea

(Footage Location) (Unit Letter) (Section) (Township) (Range) (County)

WELL CONSTRUCTION DATA

Surface Casing

Hole Size: 15"

Casing Size: 10-3/4" @ 750'

Cemented with: 500 sacks (or) ft3

Top of Cement: Surface

Method Determined: Visual

Intermediate Casing

Hole Size: 10"

Casing Size: 7-5/8" @ 1235'

Cemented with: 500 sacks (or) ft3

Top of Cement: Unknown

Method Determined:

Production Casing

Hole Size: 6-3/4"

Casing Size: 5-1/2" @ 2900'

Cemented with: 600 sacks

Top of Cement: Unknown

Method Determined:

Production Liner

Hole Size: 4-3/4"

Casing Size: 4-1/2" @ 3750'

Cemented with: 115 sacks

Top of Cement: Unknown

Method Determined:

Total Depth: 3751' OWDD

Injection Interval

3440' feet to 3628' (Indicate whether Open Hole or perforated) perforated

Tubing Detail

Tubing Size: 2-3/8"

Lining Material:

Type of Packer: None

Packer Setting Depth:

Other Type of Tubing/Casing Seal (if applicable):

Additional Data

1. Is this a new well drilled for injection? No
- If no, for what purpose was the well originally drilled? Oil and gas
2. Name of the Injection Formation: n/a
3. Name of Field or Pool (if applicable): Langlie Mattix Seven Rivers-Queen-Grayburg
4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail, i.e. sacks of cement or plug(s) used.
5. Give the name and depths of any oil or gas zones underlying or overlying the proposed injection zone in this area: Jalmat Yates Gas Zone, Top @ approx. 3040'

Completion Record

Perfs: See attached diagram

Acid, Shot, Fracture, Squeeze:

Office
District I
1625 N. French Dr., Hobbs, NM 87240
District II
811 South First, Artesia, NM 87210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
2040 South Pacheco, Santa Fe, NM 87505

En , Minerals and Natural Resources

Revised March 25, 1999

OIL CONSERVATION DIVISION

2040 South Pacheco
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 No. 4
9. Pool name or Wildcat Langlie Mattix 7 RVRs/Queen/GB

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 ☒ Gas Well ☐ Other

2. Name of Operator
Energen Resources Corporation

3. Address of Operator
3300 N. "A" St., Bldg 4, Ste. 100, Midland, TX 79705

4. Well Location
Unit Letter K : 1650 feet from the South line and 2310 feet from the West line
Section 23 Township 23S Range 36E NMPM County Lea

10. Elevation (Show whether DR, RKB, RT, GR, etc.)

11. 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 COMPLETION ☐

OTHER: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☒ ALTERING CASING ☐
COMMENCE DRILLING OPNS. ☐ PLUG AND ABANDONMENT ☐
CASING TEST AND CEMENT JOB ☐

OTHER: ☐

12. 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.

02/22-23/00: MIRUPU. pulled production equipment. Cleaned out fill to new PBTD of 3.685'. (could not bail any deeper).

02/24/00: Re-perforated the 7 RVRs/ Queen @ 3.440'-78'. (total of 152 holes). Old perfs @ 3.440'-3.526' & 3.542'-3.628'. Acidized perfs w/ 3M gals 15% HCL acid.

02/29/00: RIH w/ rods & 2 3/8" tubing. Tubing landed @ 3.660'. RDPU & RWTP.

03/05/00: Retest: 3 BO/ 27 BW.

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

SIGNATURE Denise Menoud TITLE Production Tech. DATE 03/21/00

Type or print name Denise Menoud Telephone No. (915)687-2074

(This space for State use)

ORIGINAL SIGNED BY CHRIS WILLIAMS
DISTRICT I SUPERVISOR

APPROVED BY _____ TITLE _____ DATE MAR 24 2000

Conditions of approval, if any:

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

Current Conditions: Jan-99
Active-Pumping

Conductor:
None

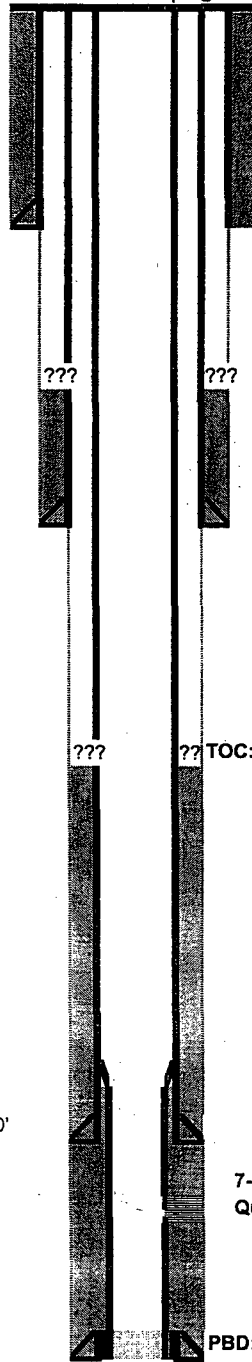
Surface Casing:
10-3/4" 28# casing
@ 225' in 7" hole
Cemented to surface
W/500 sacks

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

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

Production Liner:
4 1/2" 16.60# Liner from 2768-3750'
@ 3750' in 7" hole
with 115 sacks

Well Head Assembly:



???

???

?? TOC: unknown

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

PBD: ?'
TD = 3750'

INJECTION WELL DATA SHEET

OPERATOR: Energen Resources

WELL NAME & NUMBER: Langlie Lynn Queen Unit #5

WELL LOCATION:	1980' FSL, 1980' FEL	J	23	T-23-S	R-36-E	Lea
	(Footage Location)	(Unit Letter)	(Section)	(Township)	(Range)	(County)

WELL CONSTRUCTION DATA

Surface Casing

Hole Size:	<u>11"</u>			
Casing Size:	<u>8-5/8"</u>			
Cemented with:	<u>200</u>	sacks	(or)	<u> </u> ft3
Top of Cement:	<u>Surface</u>			
Method Determined:	<u>Visual</u>			

Production Casing

Hole Size: 6-3/4"
Casing Size: 4-1/2"
Cemented with: 1600 sacks (or) _____ ft3
Top of Cement: Surface
Method Determined: Circ.
Total Depth: 3734'

Injection Interval

3494' feet to 3631' (Indicate whether Open Hole or perforated) perforated

Proposed Tubing Detail

Tubing Size: 2-3/8" J-55
Lining Material: Internal Plastic Coated (IPC)
Type of Packer: Baker "Lok-Set"
Packer Setting Depth: ± 3350'
Other Type of Tubing/Casing Seal (if applicable): _____

Additional Data

1. Is this a new well drilled for injection? No

If no, for what purpose was the well originally drilled? Oil and gas

2. Name of the Injection Formation: Seven Rivers-Queen-Grayburg

3. Name of Field or Pool (if applicable): Langlie Mattix Seven Rivers-Queen-Grayburg

4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail, i.e. sacks of cement or plug(s) used. No

5. Give the name and depths of any oil or gas zones underlying or overlying the proposed injection zone in this area:
Jalmat Yates Gas Zone, Top @ approx. 3040'

Completion Record

Perfs: See attached diagram

Acid, Shot, Fracture, Squeeze: _____

Submit 3 Copies
to Appropriate
District Office

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-103
Revised 1-1-89

DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

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

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

WELL API NO. 30-025-09389
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 No. 5
9. Pool name or Wildcat Langlie Mattix 7 RVRs/Queen/GB

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 type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> Injection Well	
2. Name of Operator Energen Resources Corporation	
3. Address of Operator 3300 N. A St, Bldg 4, Ste 100, Midland, TX 79705	
4. Well Location Unit Letter <u>J</u> : <u>1980</u> Feet From The <u>South</u> Line and <u>1980</u> Feet From The <u>East</u> Line Section <u>23</u> Township <u>23S</u> Range <u>36E</u> NMPM Lea County	
10. Elevation (Show whether DF, RKB, RT, GR, etc.)	

11. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data	
NOTICE OF INTENTION TO:	SUBSEQUENT REPORT OF:
PERFORM REMEDIAL WORK <input checked="" type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	OTHER: <input type="checkbox"/>
OTHER: <input type="checkbox"/>	

12. 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.

MIRU WSU, pressure test casing to 500 psi for 30 minutes. Pull injection equipment. Re-perforate the 7 RVRs/Queen, acidize w/ 3,000 gals. Run injection packer and tubing, perform casing integrity test and begin water injection.

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

SIGNATURE

Denise Menoud

TITLE

Prod. Tech.

DATE

3/13/2000

TYPE OR PRINT NAME

Denise Menoud

TELEPHONE NO. 915-687-2

(This space for State Use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

ENERGEN RESOURCES, INC.

Langlie Lynn Unit #5

(formerly Sinclair State "A" No. 4)

Lea County, NM

Current Conditions: 10/2001
Active-WIW

Conductor:
None

Surface Casing:

8" Jts. 8-5/8" 24# J-55, ST&C
@ 263' in 11" hole
Cemented to surface
W/200 sx 50/50 Pozmix

Intermediate Casing:
None

Production Casing:

4 1/2" 9.50# J-55 ST&C
@ 3734' in 6-3/4" hole
1600 Sx Regular Cement
Circulated to Surface

GL Elevation: 3371' (3363' also in file)

KB Elevation:

Location: 1980' FSL, 1980' FWL,

Sec 23, T-23-S, R-36-E

Spud: 11/07/1960

Completed: 11/17/1960

API No: 30-025-09389

Well Head Assembly:

Casing Leak @ 334'--Squeezed (12/89)

Perfs: 3450-52 (Squeezed 12/89)

Inj profile showed perfs taking water (9/91)

Queen: 3494-3504' (11/60)

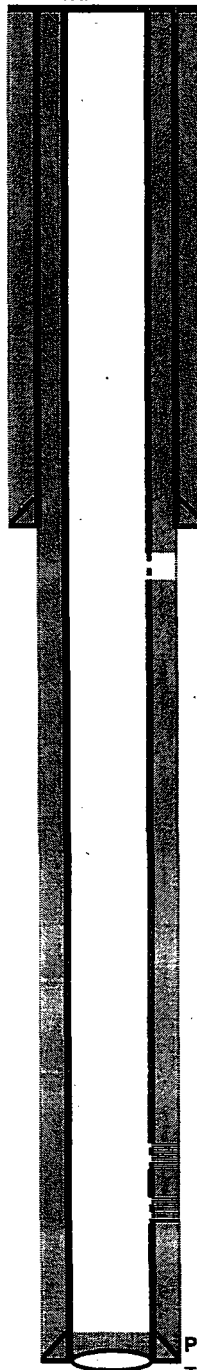
3518-47, 55-59, 62-88, 94-3600'

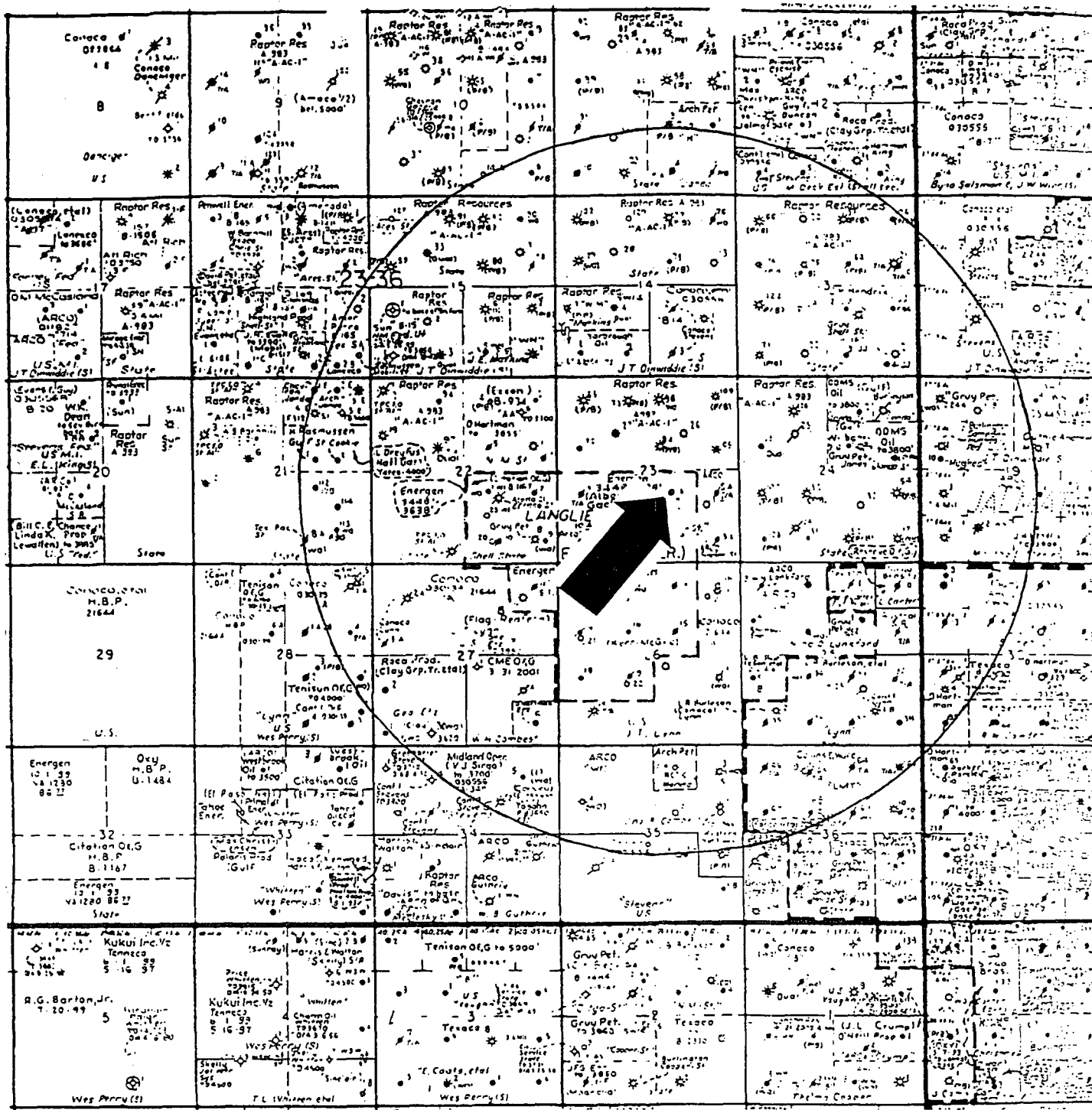
3609-22, 26-31'

Frac: 20,000 gal lease oil + 31,000# 20/40 sand (10/60)

PBD: 3670'

TD = 3734'





MILES



0

1

2

LANGLIE-LYNN #5
 LANGLEIE-LYNN UNIT
 LANGLEIE-MATTIX FIELD
 T23s - R36E
 Lea County, New Mexico
TWO MILE RADIUS

INJECTION WELL DATA SHEET

OPERATOR: Energen Resources

WELL NAME & NUMBER: Langlie Lynn Queen Unit #7

WELL LOCATION: 660' FSL, 1980' FWL N 23 T-23-S R-36-E Lea
(Footage Location) (Unit Letter) (Section) (Township) (Range) (County)

WELL CONSTRUCTION DATA

Surface Casing

Hole Size: 11"

Casing Size: 8-5/8"

Cemented with: 275 sacks (or) _____ ft3

Top of Cement: Surface

Method Determined: Visual

Production Casing

Hole Size: 6-3/4"

Casing Size: 4-1/2"

Cemented with: 1778 sacks (or) _____ ft3

Top of Cement: Surface

Method Determined: Visual

Total Depth: 3800'

Injection Interval

3510' feet to 3682' (Indicate whether Open Hole or perforated) perforated

Proposed Tubing Detail

Tubing Size: 2-3/8" J-55

Lining Material: Internal Plastic Coated (IPC)

Type of Packer: Baker "Lok-Set"

Packer Setting Depth: ± 3350'

Other Type of Tubing/Casing Seal (if applicable): _____

Additional Data

Is this a new well drilled for injection? No

If no, for what purpose was the well originally drilled? Oil and gas

Name of the Injection Formation: Seven Rivers-Queen-Grayburg

Name of Field or Pool (if applicable): Langlie Mattix Seven Rivers-Queen-Grayburg

Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail, e. sacks of cement or plug(s) used. No

Give the name and depths of any oil or gas zones underlying or overlying the proposed injection zone in this area:
Almat Yates Gas Zone, Top @ approx. 3040'

Completion Record

Surveys: See attached diagram

Acid, Shot, Fracture, Squeeze: _____

Submit 3 Copies
to Appropriate
District Office

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-103
Revised 1-1-89

DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

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

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

WELL API NO.	30-025-09391
5. Indicate Type of Lease	STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No.	23267

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 type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> Convert to WIW	7. Lease Name or Unit Agreement Name Langlie Lynn Queen Unit
2. Name of Operator Energen Resources Corporation	8. Well No. 7
3. Address of Operator 3300 N. A St, Bldg 4, Ste 100, Midland, TX 79705	9. Pool name or Wildcat Langlie Mattix 7 RVRs/Queen/GB
4. Well Location Unit Letter <u>N</u> : <u>600</u> Feet From The <u>South</u> Line and <u>1980</u> Feet From The <u>West</u> Line Section <u>23</u> Township <u>23S</u> Range <u>36E</u> NMPM Lea County	
10. Elevation (Show whether DF, RKB, RT, GR, etc.)	

11. 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 ☐
OTHER: Convert To WIW ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐
COMMENCE DRILLING OPNS. ☐ PLUG AND ABANDONMENT ☐
CASING TEST AND CEMENT JOB ☐
OTHER: ☐

12. 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.

MIRU WSU, pressure test casing to 500 psi for 30 minutes. Re-perforate the 7 RVRs/Queen, acidize w/ 3,000 gals. Run injection packer and tubing, perform casing integrity test and begin water injection.

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

SIGNATURE Denise Menoud TITLE Prod. Tech. DATE 3/13/2000
TYPE OR PRINT NAME Denise Menoud TELEPHONE NO. 915-687-2000

(This space for State Use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

ENERGEN RESOURCES, INC.

Langlie Lynn Unit #7

Lea County, NM

Current Conditions: 10/31/2001

Active WIW

GL Elevation: 3374'

KB Elevation: 3385'

Location: 660' FSL, 1980' FWL,

Sec 23, T-23-S, R-36-E

Spud: 11/14/1962 Completed: 11/23/1962

API No: 30-025-09391

Conductor:

None

Surface Casing:

8-5/8" 24# J-55, ST&C

@ 271' in 11" hole

Cemented to surface

W/150 sx 50/50 Pozmix

Tubing Detail (Last Av

#Jts	O.D.	Thread	TAC/Depth	Weight
109	2-3/8"	EUE		4.7

Packer Detail (Last Av

	Thread	Packer Type
		2-3/8" x 4-1/2" NP/IPC Lok-S

Intermediate Casing:

None

Production Casing:

4 1/2" 9.50# J-55 ST&C

@ 3800' in 6-3/4" hole

1728 sx 50/50 Pozmix

50 sx Regular cement + Latex

Cement Circulated

3510-20, 30-38, 50-58, 60-64, 70-3600' (1/99)

Perfs: 3548-50, 64-66, 82-84,

3605-07, 08-10, 16-18, 24-26, 28-30, 42-44,

3648-50, 53-55, 59-61, 66-68, 80-82

3608, 12, 19, 23, 28, 36, 40, 48, 52 (11/62)(re-perf 5/84

Frac: 20,000 gal lease oil + 28,000# sand (11/62)

PBD: 3775'

TD = 3800'

WELL DATA SHEET

OPERATOR: Energen Resources

WELL NAME & NUMBER: Langlie Lynn Queen Unit #8

WELL LOCATION:	660' FSL, 660' FWL	M	23	T-23-S	R-36-E	Lea
	(Footage Location)	(Unit Letter)	(Section)	(Township)	(Range)	(County)

WELL CONSTRUCTION DATA

Surface Casing

Hole Size: 11"
Casing Size: 8-5/8"
Cemented with: 150 sacks (or) _____ ft3
Top of Cement: Surface
Method Determined: Visual

Production Casing

Hole Size: 6-3/4"
Casing Size: 4-1/2"
Cemented with: 1926 sacks (or) _____ ft3
Top of Cement: Surface
Method Determined: Visual
Total Depth: 3712'

Injection Interval

3482' feet to 3673' (Indicate whether Open Hole or perforated) perforated

Tubing Detail

Tubing Size: 2-3/8"
Lining Material: _____
Type of Packer: _____
Packer Setting Depth: _____
Other Type of Tubing/Casing Seal (if applicable): _____

1. Is this a new well drilled for injection? No

If no, for what purpose was the well originally drilled? Oil and gas

2. Name of the Injection Formation: n/a

3. Name of Field or Pool (if applicable): Langlie Mattix Seven Rivers-Queen-Grayburg

4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail, i.e. sacks of cement or plug(s) used.

5. Give the name and depths of any oil or gas zones underlying or overlying the proposed injection zone in this area:
Jalmat Yates Gas Zone, Top @ approx. 3040'

Completion Record

Perfs: See attached diagram

Acid, Shot, Fracture, Squeeze:

ENERGEN RESOURCES, INC.

Langlie Lynn Unit #8

Lea County, NM

Current Conditions: Jan-99

Active-Pumping

Conductor:

None

Surface Casing:

8-5/8" 24# J-55, ST&C

@ 272' in 11" hole

Cemented to surface

W/150 sx 50/50 Pozmix

GL Elevation: 3358'

KB Elevation: 3370'

Location: 660' FSL, 660' FWL,

Sec 23, T-23-S, R-36-E

Well Head Assembly:

Intermediate Casing:

None

Production Casing:

4 1/2" 9.50# J-55 ST&C

@ 3712' in 6-3/4" hole

1876 sx 50/50 Pozmix

50 sx Regular cement + Latex

Cement Circulated

Perfs: 3533, 58, 69, 80, 89, 92, 96,

3604, 12, 16, 32, 38, 43, 47, 54, 58, 61, 70, 73

Frac: 20,000 gal lease oil + 28,000# sand (11/62)

PBD: 3695'

TD = 3712'

Note: Records indicate 18' corroded mud anchor left in hole (8/87)

INJECTION WELL DATA SHEET

OPERATOR: Energen Resources

WELL NAME & NUMBER: Langlie Lynn Queen Unit #9

WELL LOCATION: 660' FSL, 330' FEL P 22 T-23-S R-36-E Lea
(Footage Location) (Unit Letter) (Section) (Township) (Range) (County)

WELL CONSTRUCTION DATA

Surface Casing

Casing Size: 9-7/8"

Casing Size: 7-5/8"

Cemented with: 275 sacks (or) ft3

Top of Cement: Surface

Method Determined: Visual

Production Casing

Casing Size: 6-3/4"

Casing Size: 4-1/2"

Cemented with: 200 sacks (or) ft3

Top of Cement: Unknown

Method Determined:

Total Depth: 3800'

Injection Interval

3512' feet to 3714' (Indicate whether Open Hole or perforated) perforated

Proposed Tubing Detail

Tubing Size: 2-3/8" J-55

Casing Material: Internal Plastic Coated (IPC)

Type of Packer: Baker "Lok-Set"

Packer Setting Depth: ± 3350'

Other Type of Tubing/Casing Seal (if applicable):

Additional Data

Is this a new well drilled for injection? No

no, for what purpose was the well originally drilled? Oil and gas

Name of the Injection Formation: Seven Rivers-Queen-Grayburg

Name of Field or Pool (if applicable): Langlie Mattix Seven Rivers-Queen-Grayburg

Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail, sacks of cement or plug(s) used. No

Give the name and depths of any oil or gas zones underlying or overlying the proposed injection zone in this area:

Almat Yates Gas Zone, Top @ approx. 3040'

Completion Record

Surveys: See attached diagram

Log, Shot, Fracture, Squeeze:

Submit 3 Copies
to Appropriate
District Office

Encl Minerals and Natural Resources Department

Form C-103
Revised 1-1-89

DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

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

OIL CONSERVATION DIVISION

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

WELL API NO.	30-025-20049
5. Indicate Type of Lease	STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No.	23267

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 type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> Convert to WIW	7. Lease Name or Unit Agreement Name Langlie Lynn Queen Unit
2. Name of Operator Energen Resources Corporation	8. Well No. 9
3. Address of Operator 3300 N. A St, Bldg 4, Ste 100, Midland, TX 79705	9. Pool name or Wildcat Langlie Mattix 7 RVRs/Queen/G3
4. Well Location Unit Letter <u>P</u> : <u>660</u> Feet From The <u>South</u> Line and <u>330</u> Feet From The <u>East</u> Line Section <u>22</u> Township <u>23S</u> Range <u>36E</u> NMPM Lea County	
10. Elevation (Show whether DF, RKB, RT, GR, etc.) 3378' KB	

11. 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 ☐
OTHER: Convert to WIW ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐
COMMENCE DRILLING OPNS. ☐ PLUG AND ABANDONMENT ☐
CASING TEST AND CEMENT JOB ☐
OTHER: ☐

12. 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.

MIRU WSU, pull all production equipment. TIH w/ RBP to 3,500', pressure test casing to 500 psi for 30 minutes. POH & re-perforate the 7 RVRs/Queen, acidize w/ 3,000 gals. Run injection packer and tubing, perform casing integrity test and begin water injection.

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

SIGNATURE Denise Menoud TITLE Prodc. Tech. DATE 3/13/2000
TYPE OR PRINT NAME Denise Menoud TELEPHONE NO. 915-687-20

(This space for State Use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

ENERGEN RESOURCES, INC.

Langlie Lynn Unit #9

Lea County, NM

Current Conditions: 7/30/2003

SI-Ready for Injection

Conductor:
None

Surface Casing:
7-5/8" 24# Smls, ST&C
@ 295' in 11" hole
Cemented to surface
W/275 sx 50/50 Pozmix

GL Elevation: 3378'

KB Elevation: 3388'

Location: 660' FSL, 330' FEL,
Sec 22, T-23-S, R-36-E

Well Head Assembly:

Tubing Detail (Last Available)

#Jts	O.D.	Thread	TAC/Depth
110	2-3/8"	8 rd EUE	Loc-set pkr @ 3491

Intermediate Casing:
None

Squeeze casing leak: 675 - 738 w/30 sx cement. (4/13/00)

TOC: 2931' Calculated from cement volumes

2 3/8" x 4 1/2" NC Lok-Set injection pkr @ 3491'. (4/20/00)

Perfs: 3512-26, 32-50, 56-61, 66-75, 81
3616-30, 38, 40, 42, 46, 56, 88 (2/99)

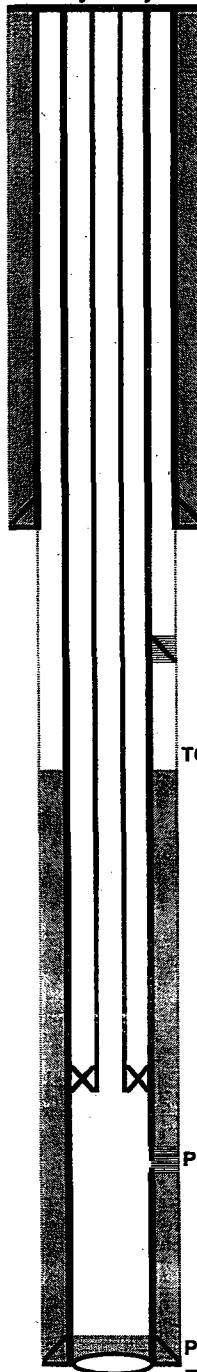
3588, 90, 3605, 08,10, 12, 31, 34, 36, 44, 48,
3650, 52, 54, 58, 60, 67, 69, 72, 74, 81, 84, 90, 92, 96, 98,
3702, 11, 14, (4/63)

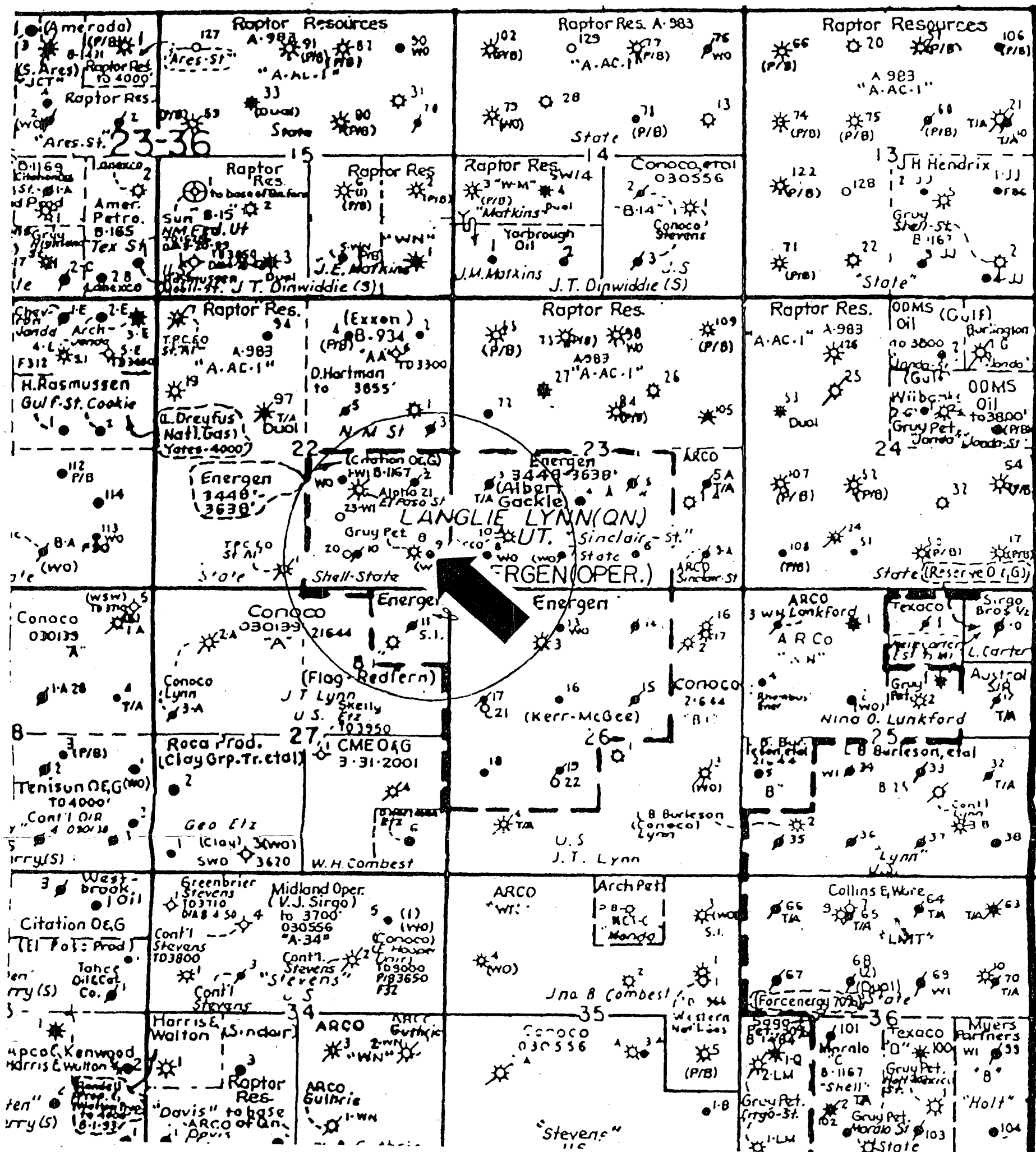
Frac: 30,000 gal lease oil + 40,000# sand (4/63)

Production Casing:
4 1/2" 9.50# & 11.60# J-55 ST&C
@ 3800' in 6-3/4" hole
200 sx "C" Neat

PBD: 3773'

TD = 3800'



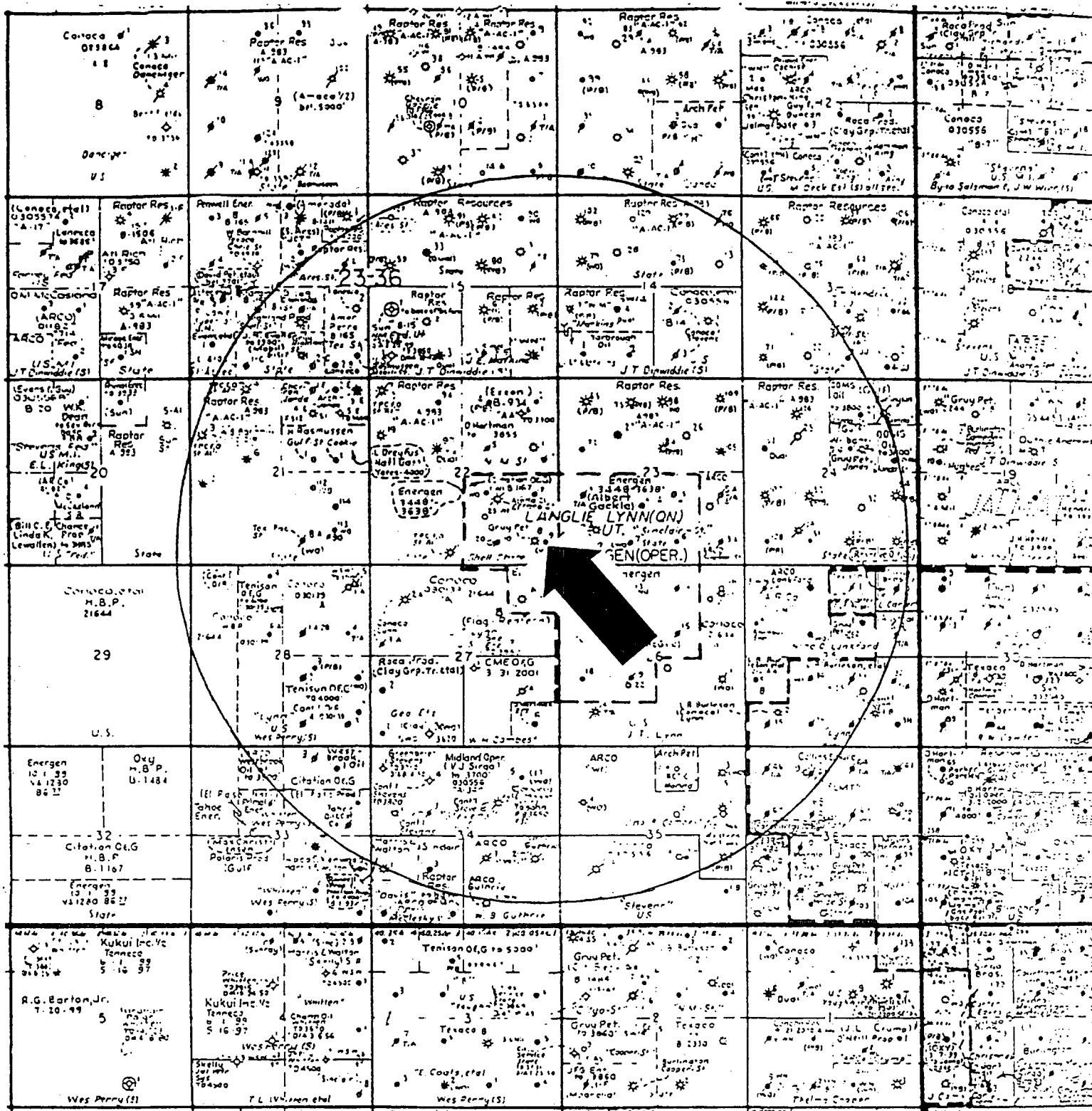


MILES



0 1 2

LANGLIE-LYNN #9
 LANGLEIE-LYNN UNIT
 LANGLEIE-MATTIX FIELD
 T23S - R36E
 Lea County, New Mexico
HALF MILE RADIUS



MILES



0 1 2

LANGLIE-LYNN #9
 LANGLIE-LYNN UNIT
 LANGLIE-MATTIX FIELD
 T23s - R36E
 Lea County, New Mexico
TWO MILE RADIUS

WELL DATA SHEET

OPERATOR: Energen Resources

WELL NAME & NUMBER: Langlie Lynn Queen Unit #10

WELL LOCATION: 660' FSL, 1650' FEL O 22 T-23-S R-36-E Lea
(Footage Location) (Unit Letter) (Section) (Township) (Range) (County)

WELL CONSTRUCTION DATA

Surface Casing

Hole Size: 9-7/8"

Casing Size: 7-5/8"

Cemented with: 225 sacks (or) ft3

Top of Cement: Surface

Method Determined: Visual

Production Casing

Hole Size: 6-3/4"

Casing Size: 4-1/2"

Cemented with: 200 sacks (or) ft3

Top of Cement: Unknown

Method Determined:

Total Depth: 3812'

Injection Interval

 P&A feet to (Indicate whether Open Hole or perforated)

Tubing Detail

Tubing Size:

Lining Material:

Type of Packer:

Packer Setting Depth:

Other Type of Tubing/Casing Seal (if applicable):

Additional Data

1. Is this a new well drilled for injection? No

If no, for what purpose was the well originally drilled? Oil and gas

2. Name of the Injection Formation: n/a

3. Name of Field or Pool (if applicable): Langlie Mattix Seven Rivers-Queen-Grayburg

4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail, I.e. sacks of cement or plug(s) used.

Old perfs in interval from 3623 to 3739, PA'd 7-2-86

See attached sheet for plugging detail

5. Give the name and depths of any oil or gas zones underlying or overlying the proposed injection zone in this area:

Jalmat.Yates Gas Zone, Top @ approx. 3040'

Completion Record

Perfs: See attached diagram

Acid, Shot, Fracture, Squeeze:

NO. OF COPIES RECEIVED	
DISTRIBUTION	
SANTA FE	
FILE	
U.S.G.S.	
LAND OFFICE	
OPERATOR	

NEW MEXICO OIL CONSERVATION COMMISSION

Form C-103
Supersedes Old
C-102 and C-103
Effective 1-4-65

5a. Indicate Type of Lease
State <input checked="" type="checkbox"/> Fee
5. State Oil & Gas Lease No.
B-1167

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. <input type="checkbox"/> OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <u>Inj. well</u>	7. Unit Agreement Name
2. Name of Operator CONOCO INC.	8. Farm or Lease Name Langlie Lynn Queen
3. Address of Operator P. O. Box 460, Hobbs, N.M. 88240	9. Well No. 10
4. Location of Well UNIT LETTER <u>O</u> <u>640</u> FEET FROM THE <u>South</u> LINE AND <u>1650</u> FEET FROM THE <u>East</u> LINE, SECTION <u>22</u> TOWNSHIP <u>23S</u> RANGE <u>36E</u> N.M.P.M.	10. Field and Pool, or Wildcat Langlie Mattix 72
15. Elevation (Show whether DF, RT, GR, etc.)	12. County Lea

16. Check Appropriate Box To Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO: SUBSEQUENT REPORT OF:

PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPER. <input type="checkbox"/>	PLUG AND ABANDONMENT <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	OTHER <input type="checkbox"/>	CASING TEST AND CEMENT JOBS <input type="checkbox"/>	

17. 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.

- ① MIRU on 7-1-86. POOH w/ Hg
- ② Set CIBP @ 3600'. Displace hole w/ mud. Set 3 cmt plugs. Tag top of plug after waiting on cmt 3 1/2 hrs. (Top @ 1140')
- ③ Bullhead 300 sxs class "C" cmt down 4 1/2 csq, had good return out 7 5/8" csq. Installed P&A marker.
- ④ Rig down on 7-2-86.

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

SIGNED <u>Cecil O. Yarbrough</u>	TITLE <u>Administrative Supervisor</u>	DATE <u>7-18-86</u>
APPROVED BY <u>[Signature]</u>	TITLE <u>OIL & GAS INSPECTOR</u>	DATE <u>SEP 1 1 1986</u>

ENERGEN RESOURCES, INC.

Langlie Lynn Unit #10

Lea County, NM

Current Conditions: Jan-99

PxA

Conductor:

None

Surface Casing:

7-5/8" 32# H-40, ST&C

@ 307' in 11" hole

Cemented to surface

W/225 sx Regular Neat

GL Elevation: 3391'

KB Elevation: 3401'

Location: 660' FSL, 1650' FEL,

Sec 22, T-23-S, R-36-E

Well Head Assembly:

None--Well PxA

Dry Hole Marker installed

Intermediate Casing:

None

300 Sacks bull headed down 4-1/2" & out 7-5/8"

Casing Leaks: 321-1236'

TOC Unknown

25 sacks "C" from 1302-582' (7/86)

20 sacks "C" from 3095-2805' (7/86)

20 Sx plug on CIBP top @ 3310' (7/86)

Retainer @ 3600' (7/86)

Perfs: 3623, 41 (5/74 Conv to WIW)

3659, 71, 75, 84, 85, 93,

3700, 04, 05, 13, 15, 21, 22, 23, 31, 35, 39,

Frac W/ 30,000 gal lease oil + 40,000# sand

3770, 72, 76, 82, 84, 85, 87, 90, 93 (Squeezed 6/63)

PBD: 3782'

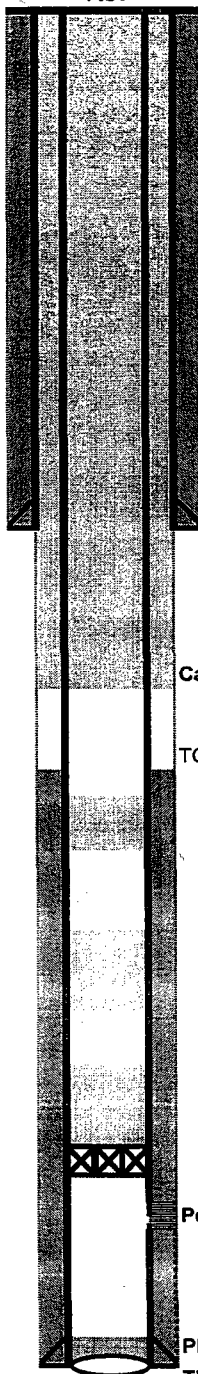
TD = 3812'

Production Casing:

4 1/2" 10.5 & 11.6# J-55 ST&C

@ 3800' in 6-3/4" hole

200 Sx Regular Cement + 4% gel



INJECTION WELL DATA SHEET

OPERATOR: Energen Resources

WELL NAME & NUMBER: Langlie Lynn Queen Unit #12

WELL LOCATION: 660' FNL, 660' FWL D 26 T-23-S R-36-E Lea

(Footage Location) (Unit Letter) (Section) (Township) (Range) (County)

WELL CONSTRUCTION DATA

Surface Casing

Hole Size: 11"

Casing Size: 7-5/8"

Cemented with: 200 sacks (or) _____ ft3

Top of Cement: Surface

Method Determined: Visual

Production Casing

Hole Size: 6-3/4"

Casing Size: 4-1/2"

Cemented with: 300 sacks (or) _____ ft3

Top of Cement: 2100'

Method Determined: TS

Total Depth: 3750'

Slim Hole Casing

Hole Size: 4-1/2"

Casing Size: 2-7/8"

Cemented with: 545 sacks (or) _____ ft3

Top of Cement: Surface

Method Determined: Visual

Injection Interval

3446' feet to 3682' (Indicate whether Open Hole or perforated) perforated

Proposed Tubing Detail

Tubing Size: 2-3/8" J-55

Casing Material: Internal Plastic Coated (IPC)

Type of Packer: Baker "Lok-Set"

Packer Setting Depth: ± 3350'

Other Type of Tubing/Casing Seal (if applicable): _____

Additional Data

Is this a new well drilled for injection? No

no, for what purpose was the well originally drilled? Oil and gas

Name of the Injection Formation: Seven Rivers-Queen-Grayburg

Name of Field or Pool (if applicable): Langlie Mattix Seven Rivers-Queen-Grayburg

Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail, lbs. sacks of cement or plug(s) used. No

Give the name and depths of any oil or gas zones underlying or overlying the proposed injection zone in this area:
Imat Yates Gas Zone, Top @ approx. 3040'

Completion Record

Surfs: See attached diagram

Side, Shot, Fracture, Squeeze: _____

Office
District I
1625 N. French Dr., Hobbs, NM 87240
District II
811 South First, Artesia, NM 87210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
2040 South Pacheco, Santa Fe, NM 87505

Energy Minerals and Natural Resources

Revised March 25, 1999

OIL CONSERVATION DIVISION

2040 South Pacheco
Santa Fe, NM 87505

Well API NO.

30-025-20052

5. Indicate Type of Lease

STATE ☒ FEE ☐

6. State Oil & Gas Lease No.

7. Lease Name or Unit Agreement Name:

Langlie Lynn Queen Unit

8. Well No.

12

9. Pool name or Wildcat

Langlie Mattix 7 RVRS/Queen/GB

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 ☒ Gas Well ☐ Other ☐

2. Name of Operator

Energen Resources Corporation

3. Address of Operator

3300 N. "A" St., Bldg 4, Ste. 100, Midland, TX 79705

4. Well Location

Unit Letter D : 660 feet from the North line and 660 feet from the West line

Section 23 Township 23S Range 36E NMPM County Lea

10. Elevation (Show whether DR, RKB, RT, GR, etc.)

11. 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 COMPLETION ☐

OTHER: Convert to Injection ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐

COMMENCE DRILLING OPNS. ☐ PLUG AND ABANDONMENT ☐

CASING TEST AND CEMENT JOB ☐

OTHER: ☐

12. 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 recompilation.

MIRU WSU, pull all production equipment. TIH w/ 2 1/2" RBP to 3,500'. pressure test casing to 500# for 30 mins. POOH & reperf the 7 RVRS/ Queen. Acidize w/ 3,000 gals 15% HCL. Run injection packer & tubing. Perform casing integrity test and begin water injection after approval of permit.

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

SIGNATURE Denise Menoud TITLE Production Tech. DATE 04/13/2000

Type or print name Denise Menoud Telephone No. (915)687-2074

This space for State use)

APPROVED BY _____ TITLE _____ DATE _____
Conditions of approval, if any:

ENERGEN RESOURCES, INC.

Langlie Lynn Unit #12

Lea County, NM

Current Conditions: 10/30/2001

Active WIW

GL Elevation: 3368'

KB Elevation: 3378'

Location: 660' FNL, 660' FWL,

Sec 26, T-23-S, R-36-E

Spud: 05/30/1963 Completed: 06/18/1963

API No: 30-025-20052

Conductor:

None

Surface Casing:

7-5/8" 24# H-40, ST&C

@ 330' in 11" hole

Cemented to surface

W/200 sx 50/50 Pozmix

Tubing Detail (Last Ava

#Jts	O.D.	Thread	TAC/Depth	Weight
107	2-1/16"	10 rd		3.25

Packer Detail (Last Ava

		Packer Type	
		1.05" NU 10 rd x 2-7/8" NP Arrow	

Intermediate Casing:

None

4-1/2" casing leaks from 580-1300'

TOC: 2100' by TS

Slim Hole String: (10/80)

2-7/8" tubing @ 3748'

Cemented to surface with 545 Sx "C"

Tight Spot @ 3416' in 2-7/8" casing

Production Casing:

4 1/2" 9.50# J-55 ST&C

@ 3750' in 6-3/4" hole

300 sx Regular cement

Perfs: 3446-54, 3496-3504, 3512-18 (04/00) (120 degree phased JSF

3548-50, 64-66, 82-84,

3605-07, 08-10, 16-18, 24-26, 28-30, 42-44,

3648-50, 53-55, 59-61, 66-68, 80-82'

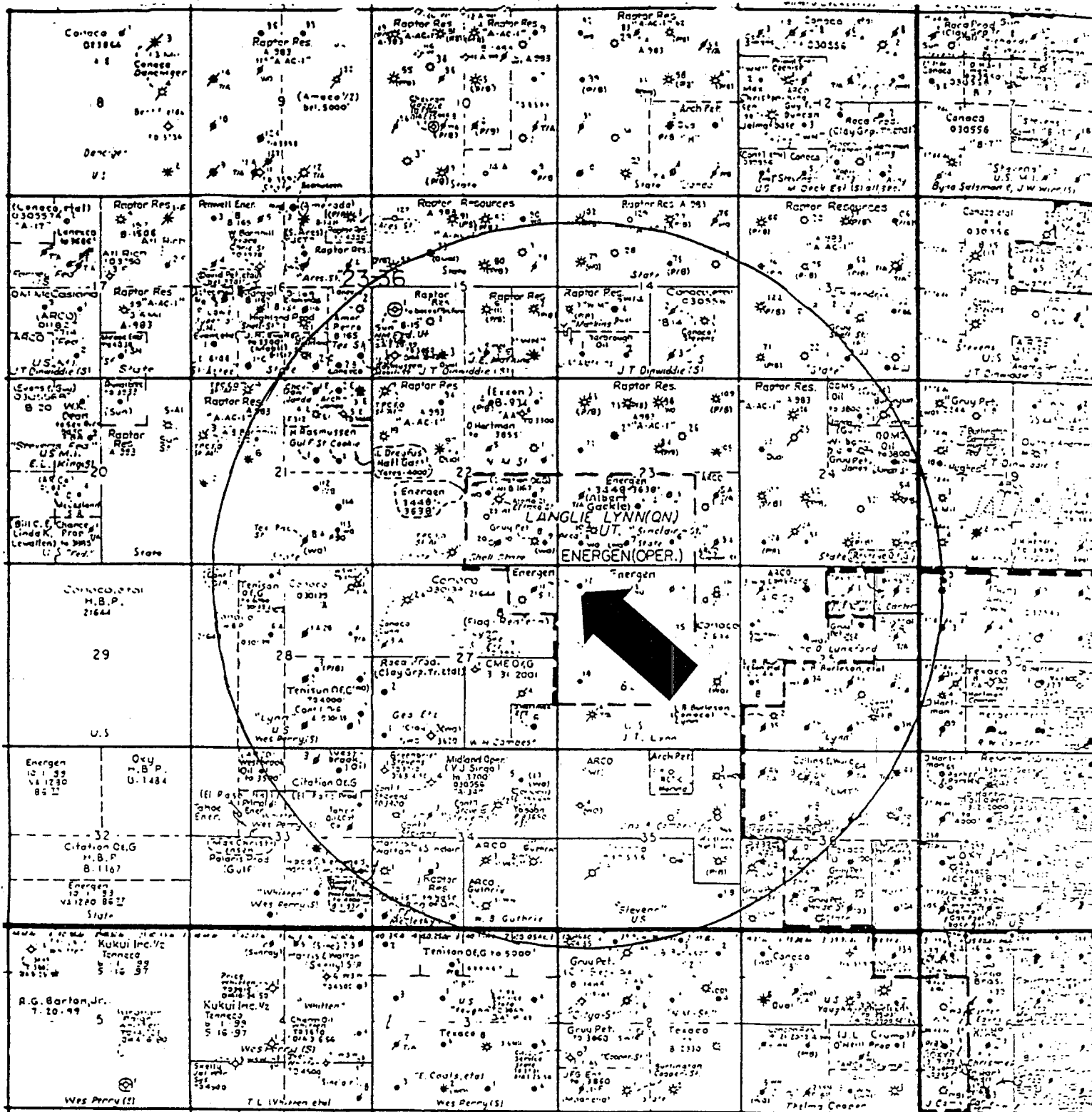
(Perfed 11/62, Re-perfed 10/80)

3642-82 (Re-perf 3/88, 18 holes)

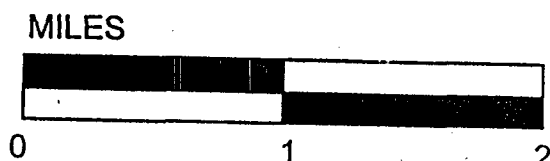
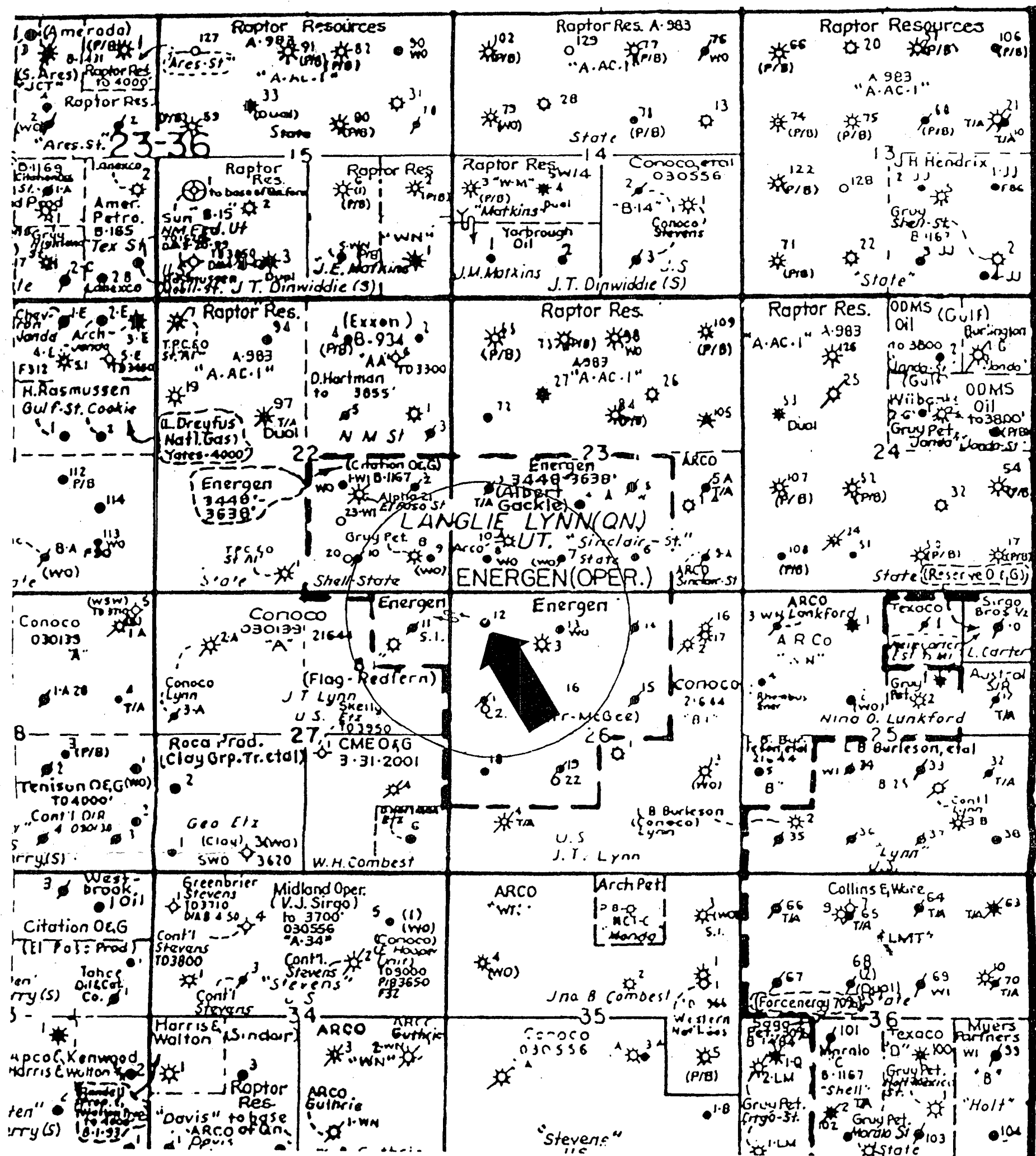
Frac: 25,000 gal lease oil + 37,500# sand (11/62).

PBD: 3657' (perforating strip left in hole-unable to fish)

TD = 3750'



LANGLIE-LYNN #12
 LANGLIE-LYNN UNIT
 LANGLIE-MATTIX FIELD
 T23s - R36E
 Lea County, New Mexico
TWO MILE RADIUS



LANGLIE-LYNN #12
 LANGLEIE-LYNN UNIT
 LANGLEIE-MATTIX FIELD
 T23S - R36E
 Lea County, New Mexico
HALF MILE RADIUS

WELL DATA SHEET

OPERATOR: Energen Resources

WELL NAME & NUMBER: Langlie Lynn Queen Unit #20

WELL LOCATION: 672' FSL, 1797' FEL O 22 T-23-S R-36-E Lea
(Footage Location) (Unit Letter) (Section) (Township) (Range) (County)

WELL CONSTRUCTION DATA

Surface Casing

Hole Size: 12-1/4"

Casing Size: 8-5/8"

Cemented with: 300 sacks (or) _____ ft3

Top of Cement: Surface

Method Determined: _____

Production Casing (Intended)

Hole Size: 7-7/8"

Casing Size: 5-1/2"

Cemented with: 500 sacks (or) _____ ft3

Top of Cement: Surface

Method Determined: Visual

Total Depth: 3850'

Injection Interval

3576' feet to 3804' (Indicate whether Open Hole or perforated) perforated

Tubing Detail

Tubing Size: _____

Lining Material: _____

Type of Packer: _____

Packer Setting Depth: _____

Other Type of Tubing/Casing Seal (if applicable): _____

Additional Data

1. Is this a new well drilled for injection? No
If no, for what purpose was the well originally drilled? Spudded 2-24-00. Presently drilling as a producer

2. Name of the Injection Formation: n/a

3. Name of Field or Pool (if applicable): Langlie Mattix Seven Rivers-Queen-Grayburg

4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail, i.e. sacks of cement or plug(s) used. No

5. Give the name and depths of any oil or gas zones underlying or overlying the proposed injection zone in this area:
Jalmat Yates Gas Zone, Top @ approx. 3040'

Completion Record

Perfs: See attached diagram

Acid, Shot, Fracture, Squeeze: _____

ENERGEN RESOURCES, INC.

Langlie Lynn Unit #20

Lea County, NM

Current Conditions: Mar-00

New Well

Conductor:

None

Surface Casing:

8-5/8" 24#, J-55, ST&C

@ 329' in 12-1/4" hole

Cemented to surface

W/300 sx"C" + 2% CaCl₂

GL Elevation: 3394'

DF Elevation: 3406'

Location: 627' FSL, 1797' FEL,

Sec 22, T-23-S, R-36-E

API # 30-025-34916

Well Head Assembly:

TOC: 5-1/2" x 8-7/8" casing annulus @ 89' by Temp Survey

Intermediate Casing:

None

Production Casing:

5 1/2" 15.50# J-55 LT&C

@ 3853' in 7-7/8" hole

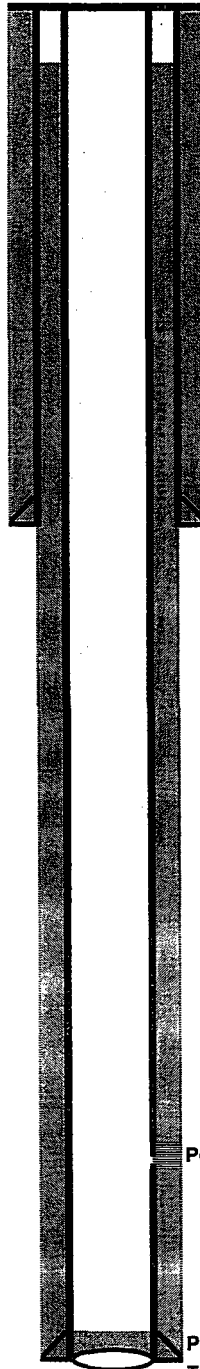
650 sx 50/50 Poz "C" + 10% gel, 5% salt

FB 225 sx 50/50 Poz "C" + 5% salt

Cement Circulated

Perfs: 3577, 88, 94,
3608, 13, 42, 59, 77, 97,
3703, 10, 18, 22, 36, 45, 53, 62, 68, 76, 80
3802

PBD:
TD = 3853'



WELL DATA SHEET

OPERATOR: Lanexco

WELL NAME & NUMBER: El Paso State #1

WELL LOCATION: J 22 T-23-S R-36-E Lea

(Footage Location) (Unit Letter) (Section) (Township) (Range) (County)

WELL CONSTRUCTION DATA

Surface Casing

Hole Size: Waiting on data

Casing Size: 8 5/8

Cemented with: 200 sacks (or) ft3

Top of Cement: surface

Method Determined: circulated

Intermediate Casing

Hole Size:

Casing Size:

Cemented with: sacks (or) ft3

Top of Cement:

Method Determined:

Production Casing

Hole Size: 7 7/8

Casing Size: 5 1/2

Cemented with: 30 sacks + 100 sacks sacks (or) ft3

Top of Cement: surface

Method Determined: circulated

Total Depth: 3610

Injection Interval

feet to (Indicate whether Open Hole or perforated)

Tubing Detail

Tubing Size: 2 3/8

Lining Material:

Type of Packer: None

Packer Setting Depth:

Other Type of Tubing/Casing Seal (if applicable):

Additional Data

1. Is this a new well drilled for injection? No
- If no, for what purpose was the well originally drilled? Oil and gas
2. Name of the Injection Formation: n/a
3. Name of Field or Pool (if applicable):
4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail, i.e. sacks of cement or plug(s) used.
5. Give the name and depths of any oil or gas zones underlying or overlying the proposed injection zone in this area:
- Jalmat Yates Gas Zone, Top @ approx. 3040'

Completion Record

Perfs:

Acid, Shot, Fracture, Squeeze:

WELL DATA SHEET

OPERATOR:Gruy Petroleum Management

WELL NAME & NUMBER:Shell State #3

WELL LOCATION:660' FSL, 660' FELP22T-23-ST-23-SR-36-ELea

(Footage Location)(Unit Letter)(Section)(Township)(Range)(County)

WELL CONSTRUCTION DATA

Surface Casing

Hole Size:17-1/2"

Casing Size:13-3/8" @ 287'

Cemented with:350sacks(or)ft3

Top of Cement:Surface

Method Determined:Visual

Intermediate Casing

Hole Size:11-1/4"

Casing Size:8-5/8" @ 1213'

Cemented with:500sacks(or)ft3

Top of Cement:Unknown

Method Determined:

Production Casing

Hole Size:7-7/8"

Casing Size:5-1/2" @ 3425'

Cemented with:750sacks(or)ft3

Top of Cement:Unknown

Method Determined:

Total Depth:3426'

Additional Data

1. Is this a new well drilled for injection?No

If no, for what purpose was the well originally drilled?Oil and gas

2. Name of the Injection Formation:n/a

3. Name of Field or Pool (if applicable):Jalmat Tansil-Yates-Seven Rivers

4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail, i.e. sacks of cement or plug(s) used.n/a

5. Give the name and depths of any oil or gas zones underlying or overlying the proposed injection zone in this area:

Jalmat Yates Gas Zone, Top @ approx. 3040'

Completion Record

Perfs:3017'-3068', 3400'-3420'

Acid, Shot, Fracture, Squeeze:Sand-frac w/ 10,000 gal., 1# per gal. sand to oil

Lanexco Inc
El Paso State #1
Lea County, NM

Conductor:
None

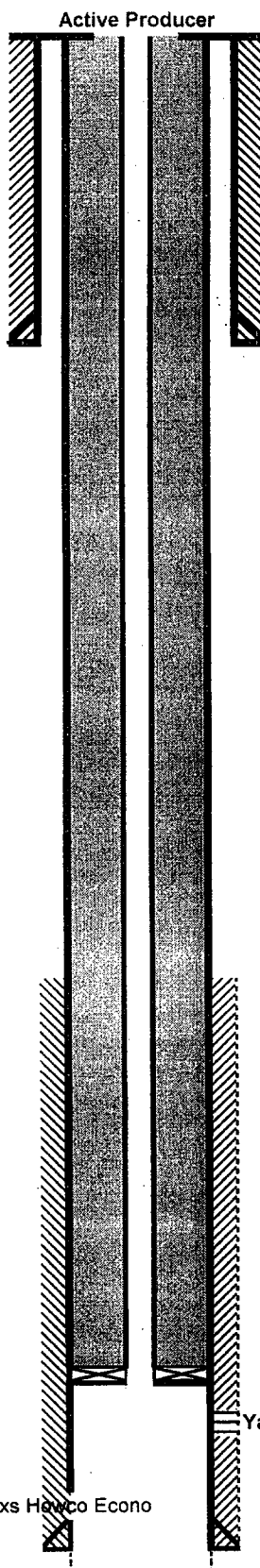
Surface Casing:
8 5/8" 24# @ 383'
Hole Size: 12 1/4"
Cemented to surface
w/ 200 sx Class C

383'

Intermediate Casing: None

TOC:
Circulated cement to surface

Production Casing:
87 Jts 5 1/2" 17# @ 3610'
Hole Size: 7-7/8"
Cemented w/ 350 sxs 50-50 Poz + 400 sxs Hawco Econo
TOC: 2950'



GL Elevation: 3392.5

Location: 1980' FSL X 1650' FEL
Unit J Sec 22, T-23-S, R-36-E

Spud: 06/09/1979 **Completed:** 07/26/1979
API No: 30-025-26346

Yates Seven Rivers Perfs: 3045, 3051, 3060, 3077, 3084, 3088, 3093, 31
3450, 3480, 3510, 3531, 3538

WELL DATA SHEET

OPERATOR: Arco Permian

WELL NAME & NUMBER: Sinclair A State #10

WELL LOCATION: 990' FSL, 990' FWL M 23 T-23-S R-36-E Lea
(Footage Location) (Unit Letter) (Section) (Township) (Range) (County)

WELL CONSTRUCTION DATA

Surface Casing

Casing Size: 12-1/4"

Cemented with: 200 sacks (or) ft3

Top of Cement: Surface

Method Determined: Visual

Production Casing

Casing Size: 7-7/8"

Cemented with: 700 sacks (or) ft3

Top of Cement: Unknown

Method Determined:

Total Depth: 3550'

Tubing Detail

Tubing Size: 2-3/8" @ 3241'

Casing Material:

Type of Packer:

Packer Setting Depth:

Other Type of Tubing/Casing Seal (if applicable):

Additional Data

Is this a new well drilled for injection? No

no, for what purpose was the well originally drilled? Oil and gas

Name of the Injection Formation: n/a

Name of Field or Pool (if applicable): Jalmat Tansil-Yates-Seven Rivers

Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail, e.g. sacks of cement or plug(s) used.

Give the name and depths of any oil or gas zones underlying or overlying the proposed injection zone in this area:

Jalmat Yates Gas Zone, Top @ approx. 3040'

Completion Record

Perfs: 2980'-3454'; PBTd 3520'

Acid, Shot, Fracture, Squeeze: Acidized w/2500 gals. Frac. w/ 22,000 gals. & 46,000# sand

WELL DATA SHEET

OPERATOR:Raptor Resources Inc.

WELL NAME & NUMBER:State of New Mexico A A/C-1 #27

WELL LOCATION:1650' FNL, 1650' FWLF23T-23-SR-36-ELea
(Footage Location)(Unit Letter)(Section)(Township)(Range)(County)

WELL CONSTRUCTION DATA

Surface Casing

Hole Size:17"

Casing Size:12-1/2" @ 276'

Cemented with:350sacks(or)ft3

Top of Cement:Surface

Method Determined:Visual

Production Casing

Hole Size:11"

Casing Size:8-5/8" @ 2880'

Cemented with:600sacks(or)ft3

Top of Cement:Unknown

Method Determined:

Total Depth:3670' OWDD

Additional Data

1. Is this a new well drilled for injection?No

If no, for what purpose was the well originally drilled?Oil and gas

2. Name of the Injection Formation:n/a

3. Name of Field or Pool (if applicable):Jalmat Tansil-Yates-Seven Rivers

4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail, i.e. sacks of cement or plug(s) used.

5. Give the name and depths of any oil or gas zones underlying or overlying the proposed injection zone in this area:
Jalmat Yates Gas Zone, Top @ approx. 3040'

Completion Record

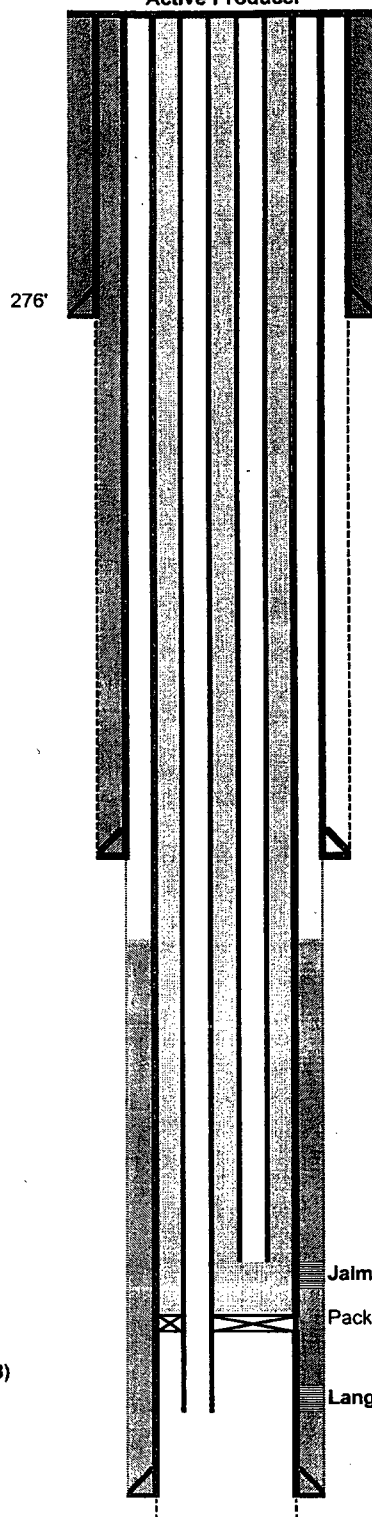
Perfs:Open hole 2880'-3670'

Acid, Shot, Fracture, Squeeze:Original TD 3260'; well shut in

Deepening to 3670' completed 9-10-51

Lea County, NM

Production Casing: (run 1958)
108 Jts 7" 23# & 20# @ 3663'
Hole Size: 7-7/8"
Cemented w/ 140 sx
TOC: 2950'



API No: 30-025-09393

Jalmat Gas Perfs: 3002-3036, 3042-3054, 3064-3108, 3114-3124, 3156-31

Packer @ 3220'

Langlie Mattix Oil Perfs: 3502-3513, 3538-3550 (06/58)

WELL DATA SHEET

OPERATOR: Raptor Resources Inc.

WELL NAME & NUMBER: State of New Mexico A A/C-1 #72

WELL LOCATION: 1980' FNL, 660' FWL E 23 T-23-S R-36-E Lea
(Footage Location) (Unit Letter) (Section) (Township) (Range) (County)

WELL CONSTRUCTION DATA

Surface Casing

Hole Size: 13-3/4"

Casing Size: 9-5/8" @ 328'

Cemented with: 300 sacks (or) ft3

Top of Cement: Surface

Method Determined: Visual

Production Casing

Hole Size: 8-3/4"

Casing Size: 7" @ 3560'

Cemented with: 250 sacks (or) ft3

Top of Cement: Unknown

Method Determined:

Total Depth: 3587'

Tubing Detail

Tubing Size: 2-3/8"@ 3358'

Lining Material:

Type of Packer:

Packer Setting Depth:

Other Type of Tubing/Casing Seal (if applicable):

Additional Data

1. Is this a new well drilled for injection? No

If no, for what purpose was the well originally drilled? Oil and gas

2. Name of the Injection Formation: n/a

3. Name of Field or Pool (if applicable): Jalmat Tansil-Yates-Seven Rivers

4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail, i.e. sacks of cement or plug(s) used.

5. Give the name and depths of any oil or gas zones underlying or overlying the proposed injection zone in this area: Jalmat Yates Gas Zone, Top @ approx. 3040'

Completion Record

Perfs: Open hole 3560'-3587'; PBDT 3513'; 3506'-3482'

Acid, Shot, Fracture, Squeeze: Open hole sand jetted @ 3563' for 4 hrs.

SOT w/10,000 gals refined oil & 10,000# sand

3506'-3482' 1750 gal. 7.5% HCIW / 100 BS

Frac w/ 22,000 gals. 40# linear gel W 99 T CO2 & 308 MCF N2 & 130,000# 12/20 Brady sand

WELL DATA SHEET

OPERATOR:Raptor Resources Inc.

WELL NAME & NUMBER:State of New Mexico A A/C-1 #84

WELL LOCATION:1980' FNL, 2310' FELG23T-23-SR-36-ELea

(Footage Location)(Unit Letter)(Section)(Township)(Range)(County)

WELL CONSTRUCTION DATA

Surface Casing

Hole Size:12-1/4"

Casing Size:9-5/8" @ 334'

Cemented with:300sacks(or)ft3

Top of Cement:Surface

Method Determined:Visual

Production Casing

Hole Size:8-3/4"

Casing Size:7" @ 3529'

Cemented with:250sacks(or)ft3

Top of Cement:Unknown

Method Determined:

Total Depth:3585'

Tubing Detail

Tubing Size:2-3/8"

Lining Material:

Type of Packer:

Packer Setting Depth:2918'

Other Type of Tubing/Casing Seal (if applicable):

Additional Data

Is this a new well drilled for injection?No

If no, for what purpose was the well originally drilled?Oil and gas

Name of the Injection Formation:n/a

Name of Field or Pool (if applicable):Jalmat Tansil-Yates-Seven Rivers

Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail, e. sacks of cement or plug(s) used.

Give the name and depths of any oil or gas zones underlying or overlying the proposed injection zone in this area:
Jalmat Yates Gas Zone, Top @ approx. 3040'

Completion Record

Perforations:Open hole 3519'-3585'; PBTD 3380'; 2918'-3123'

Acid, Shot, Fracture, Squeeze:Open hole Vibro-fraced @ 3548'-51' w/3 No. 3 charges
Sand-oil treat w/ 10,000 gals. Refined oil & 10,000# sand
2918'-3123' Acidize w/ 1500 gals. Frac w/ 1400 bbl. & 200,000# 12/30 sand

WELL DATA SHEET

OPERATOR: Doyle Hartman

WELL NAME & NUMBER: State of New Mexico AA #1

WELL LOCATION: 1980' FNL, 660' FEL

H22T-23-SR-36-ELea

(Footage Location)(Unit Letter)(Section)(Township)(Range)(County)

WELL CONSTRUCTION DATA

Surface Casing

Hole Size: 13-3/4

Casing Size: 10-3/4" @ 305.26'

Cemented with: 300 sacks (or) ft3

Top of Cement: Surface

Method Determined: Visual

Production Casing

Hole Size: 8-3/4"

Casing Size: 7" @ 2906'

Cemented with: 2350 sacks (or) ft3

Top of Cement: n/a

Method Determined:

Total Depth: 3130'

Additional Data

1. Is this a new well drilled for injection? No

If no, for what purpose was the well originally drilled? Oil and gas

2. Name of the Injection Formation: n/a

3. Name of Field or Pool (if applicable): Jalmat Tansil-Yates-Seven Rivers

4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail, i.e. sacks of cement or plug(s) used.

5. Give the name and depths of any oil or gas zones underlying or overlying the proposed injection zone in this area: Jalmat Yates Gas Zone, Top @ approx. 3040'

Completion Record

Perfs: Open hole 2906'-3130'

Acid, Shot, Fracture, Squeeze: None

WELL DATA SHEET

OPERATOR:Grace Petroleum Corp.

WELL NAME & NUMBER:State of New Mexico AA #3

WELL LOCATION:2310' FNL, 330' FELH22T-23-SR-36-ELea
(Footage Location)(Unit Letter)(Section)(Township)(Range)(County)

WELL CONSTRUCTION DATA

Surface Casing

Hole Size:9-7/8"

Casing Size:7-5/8" @ 328'

Cemented with:175sacks(or)ft3

Top of Cement:Surface

Method Determined:Visual

Production Casing

Hole Size:6-3/4"

Casing Size:2-7/8" @ 3629'

Cemented with:200sacks(or)ft3

Top of Cement:n/a

Method Determined:

Total Depth:3630'

Additional Data

1. Is this a new well drilled for injection?No

If no, for what purpose was the well originally drilled?Oil and gas

2. Name of the Injection Formation:n/a

3. Name of Field or Pool (if applicable):Langlie Mattix Seven Rivers-Queen-Grayburg

4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail, i.e. sacks of cement or plug(s) used.

Old perfs @ 3613'-3621'. PA'd 4-16-79 as follows:

Set 100' cmt plug 50' in & 50' out of 2-7/8" casing stub @ 2050' w/ 30 sx (TOC 1950')

Set 100' cmt plug @ 378' w/ 30 sx (TOC 278')

Spot 15 sx cmt @ surface

5. Give the name and depths of any oil or gas zones underlying or overlying the proposed injection zone in this area:

Jalmat Yates Gas Zone, Top @ approx. 3040'

Completion Record

Perfs:3613'-3621'

Acid, Shot, Fracture, Squeeze:Frac w/ 15,000 gal refined oil & 30,000# sand

Grace Petroleum Corporation

State of New Mexico AA No. 3

Lea County, NM

GL Elevation: ?

KB Elevation: DF 3378'

Location: 2310' FNL X 330' FEL

Unit H Sec 22, T-23-S, R-36-E

Spud: 12/16/1959

Completed: 12/24/1959

API No: ?

Current Conditions: 11/07/2001
Plugged & Abandoned

Conductor:

None

Surface Casing:

7-5/8" 26.4# @ 328'

Hole Size: 9-7/8"

Cemented to surface
w/ 175 sx

Cmt Plug #3 7-5/8" Spotted 15 sx smt @ surface

Cut off wellhead & installed marker

Cmt Plug #2 7-5/8" casing from 378-220' w/ 60 sx cmt

328"

Intermediate Casing:

None

Cmt Plug #1 Set 100' cmt plug from 1600-1500" w/ 30 sx

TOC: Unknown

Cut off 2-7/8" csg @ 1900' but could not pull, cut off @ 1600'

Plugged 05/11/79

Production Casing:

2-7/8" 6.5# @ 3629'

Hole Size: 6-3/4"

Cemented w/ 200 sx

TOC: Unknown

CIBP @ 2890' w/ 4 sx cmt on top

Sever Rvrs-Queen-Grayburg Perfs: 3613-3621

TD = 3630'

