							LOCATION	UN CN		
9	Туре	OPERATOR	LEASE & WELL	Letter	Sec.	Twp	Range	Footage	Date Drilled	Notes
3630'	P&A	Grace Petroleum	New Mexico "AA" State #3	I	22	T23S	R36E	2310' FNL, 330' FEL	12/24/1959	
3130	G	Doyle Hartman	New Mexico "AA" State #1	т	22	T23S	R36E	1980' FNL, 660' FEL	6/15/1950	
3765'	0%G	Energen Resources	Langlie Lynn Queen Unit #2	_	22	T23S	R36E	1980' FSL, 660' FEL	2/29/1960	
3812	P&A	Energen Resources	Langlie Lynn Queen Unit #1	د	22	T23S	R36E	1980' FSL, 1980' FEL	9/7/1960	
3610'	G	Lanexco Inc.	El Paso State #1	د	22	T23S	R36E	1880' FSL, 1650' FEL	6/9/1979	
3843'	<u>.</u>	Energen Resources	Langlie Lynn Queen Unit #23	ے	22	T23S	R36E	1863' FSL, 1950' FEL	2/13/2000	2/13/2000 Drill as injector
3800'	P&A	Energen Resources	Langlie Lynn Queen Unit #10	0	22	T23S	R36E	640' FSL, 1650' FEL	6/12/1963	
3800'	0&G	Energen Resources	Langlie Lynn Queen Unit #9	ס	22	T23S	R36E	660' FSL, 330' FEL	4/12/1963	4/12/1963 Convert to injector
3426'	G	Gruy Petroleum Mgmt	Shell State #3	ס	22	T23S	R36E	660' FSL, 660' FEL	4/14/1954	
3569'	0&G	Raptor Resources Inc.	State A A/C-1 #65	D	23	T23S	R36E	660' FNL, 760' FWL	8/26/1959	
3587'	0&G	Raptor Resources Inc.	State A A/C-1 #72	m	23	T23S	R36E	1980 FNL,660 FWL	11/15/1959	
3670'	0% G	Raptor Resources Inc.	State A A/C-1 #27	п	23	T23S	R36E	1650' FNL, 1650' FWL	3/20/1949	
3585'	0%G	Raptor Resources Inc.	State A A/C-1 #84	G	23	T23S	R36E	1980' FNL, 2310' FEL	3/7/1960	
3734'	<u>,</u>	Energen Resources	Langlie Lynn Queen Unit #5	۲	23	T23S	R36E	1980' FSL, 1980' FEL	11/17/1960	1/17/1960 Continue injection
3751'	0%G	Energen Resources	Langlie Lynn Queen Unit #4	×	23	T23S	R36E	1650' FSL, 2310' FWL	11/3/1960	
3711	0 %O	Energen Resources	Langlie Lynn Queen Unit #8	Ζ	23	T23S	R36E	660' FSL, 660' FWL	1/30/1963	
3550'	G	Arco Permian	Sinclair A State #10	Z	23	T23S	R36E	990' FSL, 990' FWL	3/24/1990	
3800'	lnj.	Energen Resources	Langlie Lynn Queen Unit #7	z	23	T23S	R36E	660' FSL, 1980' FWL	11/25/1962	11/25/1962 Return to injection
3750'	0&G	Energen Resources	Langlie Lynn Queen Unit #12	D	26	T23S	R36E	660' FNL, 660' FWL	6/10/1963	6/10/1963 Convert to injector

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

NMOCD CASE NO. 13,170 DECEMBER 4, 2003 ENERGEN EXHIBIT NO. 12

WELL DATA SHEET

OPERATOR:	Energen R	esources		<u> </u>			
WELL NAME & NUM	BER: Langlie Lyr	n 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)	(Counly)
· .							
		WELL CONSTRUCT	TION DATA				
		<u>Surface Cas</u>	ing				
Hole Size:	11"						
Casing Size:	8-5/8"				(10)		
Cemented with:	280	sacks (or)	······		ft3		
Top of Cement:	Surface						
Method Determined:	Visual						
		Production C	acina				
Hole Size:	6-3/4"	Production C	asing				
Casing Size:	4 1/2"						
Cemented with:	250	sacks (or)			ft3		
Top of Cement:	2745'				_		
Method Determined:	CBL	•					
Total Depth:	3812'						
		Injection Inte	<u>rval</u>				
P&A	feet to		(Indicate whethe	er Open Hole	e or perforated)		
			•			<u>_</u>	
		Tubing Det	ail				
Tubing Size:							
Lining Material:	and a second						
Type of Packer:			-				
Packer Setting Depth:			-				
Other Type of Tubing	Casing Seal (if applicat	ble):					· · · · · · · · · · · · · · · · · · ·
Addtitional Data							
1. Is this a new well o	Irilled for injection?		No				
If no, for what purpose	e was the well originally	drilled?	Oil and gas				
2. Name of the Inject			n/a				
3. Name of Field or P	ool (if applicable):		Langlie Mat	lix Seven	Rivers-Quee	en-Grayburg	
	been perforated in any c	ther zone(s)? List all	such perforate	ed interva	ls and give p	lugging deta	ail,
I.e. sacks of cement of							
	ral from 3622' to 3766'						
Originally PA'd 11-2-9						·· · · · · · · · · · · · · · · · · · ·	
Set cmt re	tainer @ 3550'						<u></u>
	Squeezed w/ 50 sx	f rotainar (TOC 3425"			·		
Spot 25 st	Spot 7 sx cmt on top c cmt @ 1300' (TOC @						· · · · · ·
	75'. Pump 148 sx cmt to					·····	
Re-entry PA'd 1-28-00							
	ned sheet for plugging d	etails					
	4						
	d depths of any oil or ga		overlying the	proposed	injection zon	e in this are	a:
Jannal Tales Gas 201	ne, Top @ approx. 3040)					
Completion Record							
Perfs:	See attach	ed diagram					

District Office	vermen 1-1-23
DISTRICT I P.O. Box 1980, Hobbe, NM 88240 OIL CONSERVATION DIVISION 2040 Pacheco St.	WELL AFI NO. 30-025-09380
DISTRICT II Santa Fe', NM 87505 P.O. Drawer DD, Anexis, NM 88210	5. Indicate Type of Lease STATE XX FEE
DISTRICT III 1000 Rio Brazos Rd., Azier, NM 87410	6. State Oil & Gas Lease No. 23267
SUNDRY NOTICES AND REPORTS ON WELLS	XIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII
(DOMOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)	7. Leue Name or Unit Agreement Name Langlie Lynn Queen Unit
1. Type of Well: On OL OLS OTHER Plugged	
2. Name of Operator	8. Well Na.
Energen Resources Corporation	1
3. Address of Operator	9. Pool mane or Wildcat
3300 N. A St, Bldg 4, Ste 100, Midland, TX 79705	Langlie Mattix 7 RVS Queen
4. Well Location Unit Letter : Feet From The South Line and	80 Feet From The East Line
Section 22 Township 23-S Range 36-E	NMPM Lea County
10. Elevation (Show whether DF, RKB, RT, GR, etc.) 3388 ⁻¹ GL	
11. Check Appropriate Box to Indicate Nature of Notice, F	Report, or Other Data
NOTICE OF INTENTION TO: SUB	BSEQUENT REPORT OF:
TEMPORARILY ABANDON CHANGE PLANS COMMENCE DRILLIN	IG OPNS. 🔲 PLUG AND ABANDONMENT
PULL OR ALTER CASING CASING TEST AND C	
OTHER: OTHER:	

12. Describe Proposed or Completed Operations (Clearly state all periment details, and give periment dates, including entired date of starting any proposed work) SEE RULE 1103.

01/27-28/2000: Cut-off the P&A marker. Stubbed 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 casi 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 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 hardry cardly that the information above is the and complete to the best of my to SIGNATURE	mus Production Tech.	DATE 2/15/00
THEORPROTANCE DENISE Menoud	·	TELEPHONE NO. (915) 657-1
(This space for State Use)		·····
	TITLE	DATE

ENERGEN RESOURCES, INC.

Current Conditions: Mar-00

PxA

Langlie Lynn Unit #1 Lea County, NM

Conductor: None

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

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% gei

10 sacks "C" at surface (01/28/00) Well Head Assembly: None--Well PxA Dry Hole Marker installed

GL Elevation: 3388'

KB Elevation: 3399.3'

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

Location: 1980' FSL, 1980' FEL,

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'



Langlie Lynn Unit #1 Lea County, NM

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

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 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'

GL Elevation: 3388'

KB Elevation: 3399.3' Location: 1980' FSL, 1980' FEL,

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

Well Head Assembly:

Dry Hole Marker installed

None--Well PxA

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

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

WELL DATA SHEET

OPERATOR:		Energen R	esource	s					
WELL NAME & NUME	BER:	Langlie Lyn	n Quee	n Unit #2		、 			
WELL LOCATION:	1980' FSL	660' FEL			<u> </u>	22	<u>T-23-S</u>	R-36-E	Lea
	(Footage Location	1)			(Unit Letter)	(Section)	(Township)	(Range)	(County)
				CONSTRUC					
			VVELL	CONSTRUC					
Hole Size:	·11"			Surface Ca	sing				
Casing Size:	8-5/8" @ 3	20'				ζ			
Cemented with:	275		sacks	(or)			ft3		
Top of Cement:	Surface		,						
Method Determined:	Visual								
			<u> </u>	Production C	asing			,	
Hole Size:	7-7/8"								
Casing Size:	5-1/2" @	Z61'	,						
Cemented with:	200	····	sacks	(or)			ft3		
Top of Cement:	Unknown					·			
Method Determined:									
Total Depth:	3765'								
				Injection Int	erval				
·	r	0700							
3510'	feet to	3732'			(Indicate wheth	er Open Hol	le or perforated)	perforated	
								4	
				<u>Tubing De</u>	<u>tail</u>				i.
Tubing Size:	2-3/8" @								
Lining Material:					_				
Type of Packer:	None				_				
Packer Setting Depth:		l (if annlingh							
Other Type of Tubing/	Casing Sea	ii (ii applicat	ne):	·			······		
Addtitional Data									
1. Is this a new well d	Irilled for ini	ection?			No				
If no, for what purpose	-		drilled?	······	Oil and gas				
2. Name of the Injection					n/a				
3. Name of Field or P	ool (if appli	cable):			Langlie Mat	ttix Seven	Rivers-Quee	en-Grayburg	
4. Has the well ever b	een perfora	ated in any o	ther zor	ne(s)? List all	such perforat	ed interva	als and give g	luaaina det:	ail.
I.e. sacks of cement of					No				,
				······································					·
5. Give the name and	I depths of			underlying or	overtaine the				
Jalmat Yates Gas Zor				underlying or	overiging the	hiohoseo	injection zor	ie in this are	a.
Completion Record									······································
·									
Perfs:		See attach	ed diagr	am		······			
Acid, Shot, Fracture, S	Squeeze:								
					<u></u>			:	

Office Fr. En , Minerals and Natural Resources	Revised March 25, 1999
District 1 1625 N. French Dr., Hobbs, NM 87240	WELL API NO. 30-025-09379
District II 811 South First, Artesia, NM 87210 OIL CONSERVATION DIVISION	5. Indicate Type of Lease
District III 2040 South Pacheco	STATE X FEE
1000 Rio Brazos Rd., Aztec. NM 87410 Santa Fe, NM 87505 District IV	6. State Oil & Gas Lease No.
2040 South Pacheco, Santa Fe, NM 87505	
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 X Gas Well Other	7. Lease Name or Unit Agreement Name: Langlie Lynn Queen Unit
2. Name of Operator	8. Well No.
Energen Resources Corporation	2
3. Address of Operator	9. Pool name or Wildcat
<u>3300 N. "A" St., Bldg 4. Ste. 100, Midland, TX 79705</u> 4. Well Location	Langlie Mattix 7 RVRS/Queen/GB
Unit Letter I: 1980 feet from the South line and	660 feet from the East line
Section 22 Township 23S Range 36E	NMPM County Lea
10. Elevation (Show whether DR, RKB, RT, GR, et	c.)
11. Check Appropriate Box to Indicate, Nature of Notice,	Report, or Other Data
NOTICE OF INTENTION TO: SUB	SEQUENT REPORT OF:
	· · · · · · · · · · · · · · · · · · ·
TEMPORARILY ABANDON CHANGE PLANS COMMENCE DRILL	ING OPNS. DPLUG AND ABANDONMENT
PULL OR ALTER CASING DIMULTIPLE CASING TEST AND COMPLETION CEMENT JOB	
	Γ
12. Describe Proposed or Completed Operations (Clearly state all pertinent details, and g of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach or recompilation.	
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 sta & 175 sx Cl C (surry-253 cu.ft.), 5 sx circ	
	ages: 400 sx Cl C (slurry-679 cu.ft) d as follows: spotted 12 sx @
& 175 sx Cl 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 2702'(slurry-16.2 cu.ft.). 6 sx @ 1622'. & 12 sx @ 608'. D.O. cmt, te	ages: 400 sx Cl C (slurry-679 cu.ft) d as follows: spotted 12 sx @ ested sqz. pressure held. Ran
& 175 sx Cl 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 2702'(slurry-16.2 cu.ft.). 6 sx @ 1622'. & 12 sx @ 608'. D.O. cmt, te CNL/GR/CCL, new WL PBTD @ 3738'.	ages: 400 sx Cl C (slurry-679 cu.ft) d as follows: spotted 12 sx @ ested sqz. pressure held. Ran idized w/ 3000 gals 15% HCL.
& 175 sx Cl C (surry-253 cu.ft.). 5 sx circ 02/04-10/00: D.0. cmt, tested sqz, still had some leak-off. Re-sqz'd 2702'(slurry-16.2 cu.ft.). 6 sx @ 1622'. & 12 sx @ 608'. D.0. cmt, te CNL/GR/CCL, new WL PBTD @ 3738'. 02/11/00: Perf 7 RVRS/Queen @ 3510'-88' (total of 120 new holes). Ac	ages: 400 sx Cl C (slurry-679 cu.ft) d as follows: spotted 12 sx @ ested sqz. pressure held. Ran idized w/ 3000 gals 15% HCL. pump.
<pre>& 175 sx Cl C (surry-253 cu.ft.). 5 sx circ 02/04-10/00: D.0. cmt, tested sqz, still had some leak-off. Re-sqz'd 2702'(slurry-16.2 cu.ft.). 6 sx @ 1622'. & 12 sx @ 608'. D.0. cmt, te CNL/GR/CCL. new WL PBTD @ 3738'. 02/11/00: Perf 7 RVRS/Queen @ 3510'-88' (total of 120 new holes). Ac 02/16/00: RIH w/ 2 3/8" tbg. set @ 3582'. RIH w/ 2 x 1 1/2 x 12 RWBC 02/29/00: 24 hr retest: 5 B0/ 33 BW/ 0 MCF. RIH w/ add. 4 jts tbg.</pre>	ages: 400 sx Cl C (slurry-679 cu.ft) d as follows: spotted 12 sx @ ested sqz. pressure held. Ran idized w/ 3000 gals 15% HCL. pump. set @ 3708'.
<pre>& 175 sx Cl C (surry-253 cu.ft.). 5 sx circ 02/04-10/00: D.0. cmt, tested sqz, still had some leak-off. Re-sqz'd 2702'(slurry-16.2 cu.ft.). 6 sx @ 1622'. & 12 sx @ 608'. D.0. cmt, te CNL/GR/CCL, new WL PBTD @ 3738'. 02/11/00: Perf 7 RVRS/Queen @ 3510'-88' (total of 120 new holes). Ac 02/16/00: RIH w/ 2 3/8" tbg, set @ 3582'. RIH w/ 2 x 1 1/2 x 12 RWBC 02/29/00: 24 hr retest: 5 B0/ 33 BW/ 0 MCF. RIH w/ add. 4 jts tbg. hereby certify that the information above is true and complete to the best of my knowledge and belie </pre>	ages: 400 sx Cl C (slurry-679 cu.ft) d as follows: spotted 12 sx @ ested sqz. pressure held. Ran idized w/ 3000 gals 15% HCL. pump. set @ 3708'.
& 175 sx Cl C (surry-253 cu.ft.). 5 sx circ 02/04-10/00: D.0. cmt. tested sqz. still had some leak-off. Re-sqz'd 2702'(slurry-16.2 cu.ft.). 6 sx @ 1622'. & 12 sx @ 608'. D.0. cmt. tested CNL/GR/CCL. new WL PBTD @ 3738'. 02/11/00: Perf 7 RVRS/Queen @ 3510'-88' (total of 120 new holes). Action 02/16/00: RIH w/ 2 3/8" tbg. set @ 3582'. RIH w/ 2 x 1 1/2 x 12 RWBC 02/29/00: 24 hr retest: 5 B0/ 33 BW/ 0 MCF. RIH w/ add. 4 jts tbg. hereby certify that the information above is true and complete to the best of my knowledge and belies SIGNATURE TITLE Production Tech	ages: 400 sx Cl C (slurry-679 cu.ft) d as follows: spotted 12 sx @ ested sqz. pressure held. Ran idized w/ 3000 gals 15% HCL. pump. set @ 3708'.
<pre>& 175 sx Cl C (surry-253 cu.ft.). 5 sx circ 02/04-10/00: D.0. cmt, tested sqz, still had some leak-off. Re-sqz'd 2702'(slurry-16.2 cu.ft.). 6 sx @ 1622'. & 12 sx @ 608'. D.0. cmt, te CNL/GR/CCL. new WL PBTD @ 3738'. 02/11/00: Perf 7 RVRS/Queen @ 3510'-88' (total of 120 new holes). Ac 02/16/00: RIH w/ 2 3/8" tbg, set @ 3582'. RIH w/ 2 x 1 1/2 x 12 RWBC 02/29/00: 24 hr retest: 5 B0/ 33 BW/ 0 MCF. RIH w/ add. 4 jts tbg, thereby certify that the information above is true and complete to the best of my knowledge and belie SIGNATURE</pre>	ages: 400 sx Cl C (slurry-679 cu.ft) d as follows: spotted 12 sx @ ested sqz. pressure held. Ran idized w/ 3000 gals 15% HCL. pump. set @ 3708'.
& 175 sx Cl C (surry-253 cu.ft.). 5 sx circ 02/04-10/00: D.0. cmt, tested sqz, still had some leak-off. Re-sqz'd 2702'(slurry-16.2 cu.ft.). 6 sx @ 1622'. & 12 sx @ 608'. D.0. cmt, te CNL/GR/CCL. new WL PBTD @ 3738'. 02/11/00: Perf 7 RVRS/Queen @ 3510'-88' (total of 120 new holes). Ac 02/16/00: RIH w/ 2 3/8" tbg. set @ 3582'. RIH w/ 2 x 1 1/2 x 12 RWBC 02/29/00: 24 hr retest: 5 B0/ 33 BW/ 0 MCF. RIH w/ add. 4 jts tbg. hereby certify that the information above is true and complete to the best of my knowledge and belies SIGNATURE Image: Menoud	ages: 400 sx Cl C (slurry-679 cu.ft) d as follows: spotted 12 sx @ ested sqz. pressure held. Ran idized w/ 3000 gals 15% HCL. pump. set @ 3708'.

ENERGEN RESOURCES, INC.

Current Conditions: 11/01/2001

Langlie Lynn Unit #2 Lea County, NM

				: 1980' FSL,		
	Active Producer		Sec 22, 1	7-23-S, R-36-	E	
Conductor: None				2/20/1960 30-025-0937	Completed: 02/29/ 9	1960
Surface Casing: 8-5/8" 32# H-40, ST&C						
@ 380' in 12-1/4" hole					Tubing Detai	il (Last Availat
Cemented to surface		#Jts	O.D.	Thread	Туре	Weight
W/275 sx Regular Neat		118	2 3/8*	8 rd	EUE	4.
Wizro Ski Kogular Hoat						(Last Available
		#Rods	Length	Size/Type	Pump	Ponies
			3625	3/4" D		1-3/4" x 6'
				+		2-3/4" x 8'
			<u> </u>	+	2"x1-1/2"x12' RWB0	
Intermediate Casing: None	NOTE:	Casing I	eak isolate	ed from 570-6	02'. Repaired. (02/00))
	NOTE: TOC: 2		eak isolate	ed from 570-6	02'. Repaired, (02/00))
	TOC: 2	1768' fs:	590-3594'		i02'. Repaired, (02/00	

GL Elevation: 3391'

KB Elevation: 3400.6, 9.6' ACHF

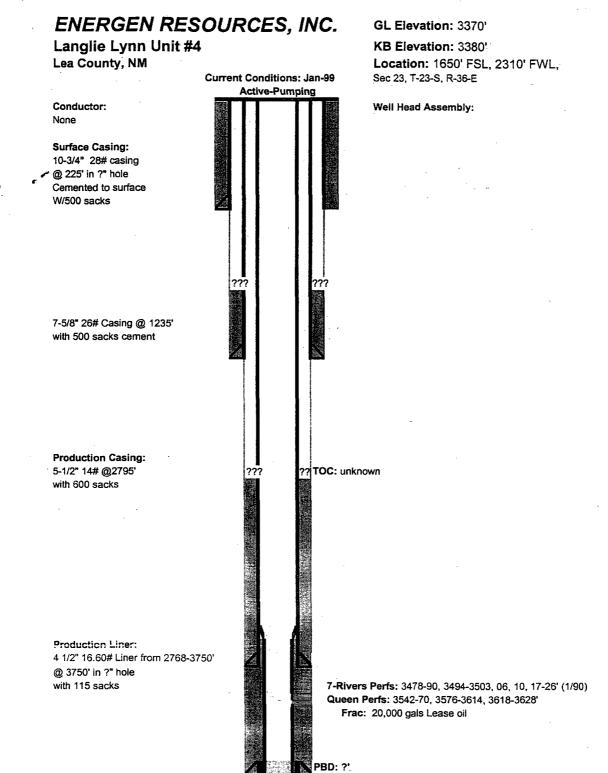
Location: 1980' FSL, 660' FEL,

et.

WELL DATA SHEET

OPERATOR:	Energen Re	sources						
WELL NAME & NUM	BER: Langlie Lyni	n Queen	Unit #4			- 		
WELL LOCATION:	1650' FSL, 2310' FWL			К	23	T-23-S	R-36-E	Lea
	(Foolage Localion)			(Unit Letter)	(Section)	(Township)	(Range)	(County)
		WELL C	CONSTRUCT	ION DATA				
			Surface Cas	ing				
Hole Size:	<u>15"</u>							
Casing Size: Cemented with:	<u>10-3/4" @ 750'</u> 500	sacks	(or)			ft3		
Top of Cement:	Surface		• •					
Method Determined:	Visual							
		Int	termediate C	asina				v
Hole Size:	10"	<u></u>		<u></u>				
Casing Size:	7-5/8" @ 1235'							
Cemented with: Top of Cement:	500 Unknown	sacks	(or)	<u></u>		_ft3	j	
Method Determined:	Unknown							
3	Production Casing				Proc	luction Line	<u>r</u>	
Hole Size:	6-3/4"			Hole Size:		4-3/4"		-
Casing Size:	5-1/2" @ 2900'	1		Casing Size		4-1/2" @ 3	750'	
Cemented with: Top of Cement:	600 Unknown	sacks		Cemented v Top of Cem		115 Unknown	<u> </u>	sacks
Method Determined:	Onknown			Method Det		Onknown		-
	· · · · · · · · · · · · · · · · · · ·			Total Depth	:	3751' OWI	DO	• -
		1	njection Inte	rval				
3440'	feet to 3628'	_			.		norforotod	
		<u></u>		(Indicate whethe	er Open Hol	e or periorateo)	periorated	·
			Tubing Det	ail				
Tubing Size:	2-3/8"		· · · · · · · · · · · · · · · · · · ·	_				
Lining Material:	None			-				
Type of Packer: Packer Setting Depth:	None		· · · · · · · · · · · · · · · · · · ·	-				
Other Type of Tubing	/Casing Seal (if applicabl	le):						
Addtitional Data								
1. Is this a new well o	-		·····	No				······································
	e was the well originally o	drilled?		Oil and gas				·
 Name of the Inject Name of Field or F 	-			n/a Lanolie Mat	tix Seven	Rivers-Quee	en-Gravburg	1
V.	· · · · · •			······································				
4. Has the well ever l l.e. sacks of cement of	been perforated in any ot or plug(s) used.	iner zone	e(s)? List all s	such perforate	ed interva	ls and give p	lugging det	ail,
							· · · · · · · · · · · · · · · · · · ·	
	d depths of any oil or gas ne, Top @ approx. 3040'		Inderlying or a	overlying the p	proposed	injection zon	e in this are	ea:
Completion Record		<u> </u>						
Perfs:								
1 6113.	Con attach	ad diaara	m					
Acid, Shot, Fracture,	See attache Squeeze:	ed diagra	am			·		

Office En , Minerals and Natural Resources District I 1625 N. French Dr., Hobbs, NM 87240	Revised March 25, 1999
District II OIL CONSERVATION DIVISION	30-025-09387
811 South First, Artesia, NM 87210 District III District III	5. Indicate Type of Lease
1000 Rio Brazos Rd., Aztec, NM 87410 Santa Fe, NM 87505 District IV	STATE X FEE
2040 South Pacheco, Santa Fe, NM 87505	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	7. Lease Name or Unit Agreement Name:
PROPOSALS.)	Langlie Lynn Queen Unit
1. Type of Well: Oil Well X Gas Well Other	
2. Name of Operator	8. Well No.
Energen Resources Corporation	4
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	I Langi le Mattix / KVRS/Queen/GB
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, e	tc.)
11. Check Appropriate Box to Indicate Nature of Notice	Report or Other Data
	SEQUENT REPORT OF:
PERFORM REMEDIAL WORK PLUG AND ABANDON REMEDIAL WORK	ALTERING CASING
TEMPORARILY ABANDON CHANGE PLANS COMMENCE DRILL	ING OPNS. DPLUG AND [ABANDONMENT
PULL OR ALTER CASING MULTIPLE CASING TEST AND COMPLETION	
OTHER:	[
12. Describe Proposed or Completed Operations (Clearly state all pertinent details, and g of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attac or recompilation.	
02/22-23/00: MIRUPU, pulled production equipment. Cleaned out fill bail any deeper).	to new PBTD of 3,685', (could not
02/24/00: Re-perforated the 7 RVRS/ Queen @ 3.440'-78'. (total of 1 & 3.542'-3.628'. Acidized perfs w/ 3M gals 15% HCL acid.	52 holes). Old perfs @ 3,440'-3,526'
02/29/00: RIH w/ rods & 2 3/8" tubing. Tubing landed @ 3,660'. RD	PU & RWTP.
03/05/00: Retest: 3 BO/ 27 BW.	
hereby certify that the information above is true and complete to the best of my knowledge and beli	ef.
hereby certify that the information above is true and complete to the best of my knowledge and beli SIGNATURE Serve Mence TITLE Production Tec	
SIGNATURE Denie Menance TITLE Production Tec	DATE 03/21/00
SIGNATURE Service Menous TITLE Production Tech	DATE 03/21/00 Telephone No. (915)687-2074
TITLE Production Tech SIGNATURE <u>Jenuse</u> <u>TITLE Production Tech</u> Type or print name <u>Denise Menoud</u> (This space for State use) URIGINAL SIGNED BY CHRIS WIELIAMS DISTRICT I SUPERVISOA APPROVED BY TITLE	DATE 03/21/00



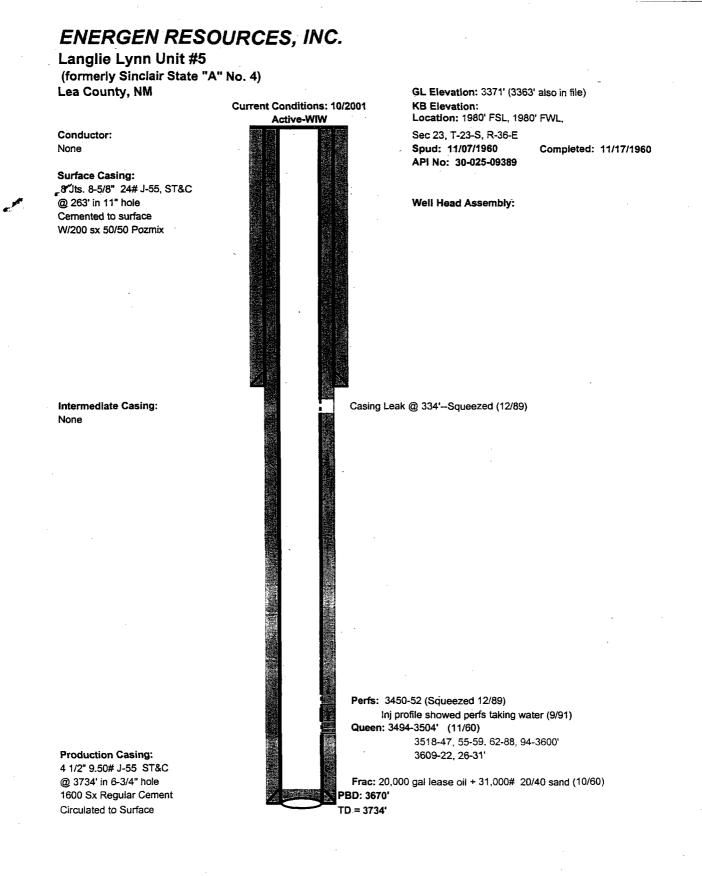
TD = 3750'

JECTION WELL DATA SHEET

OPERATOR:		Energen R	esource	es					
WELL NAME & NUM	BER:	Langlie Ly	nn Quee	en Unit #5					
WELL LOCATION:	1980' FSL	, 1980' FEL			J	23	T-23-S	R-36-E	Lea
	(Footage Location	n)			(Unit Letter)	(Section)	(Township)	(Range)	(County)
			<u>WELL</u>	<u>CONSTRU</u>	JCTION DATA				
				<u>Surface (</u>	Casing				
Hole Size:	11"		-						
Casing Size:	8-5/8"								
Cemented with:	200		sacks	(or)			ft3		
Top of Cement:	Surface		-						
Method Determined:	Visual	<u> </u>	-						
								·	
	0.011			Production	Casing	×.			
Hole Size:	6-3/4"		-						
Casing Size:	4-1/2"	<u></u>	-				80		
Cemented with:	1600		sacks	(or)			ft3		
Top of Cement:	Surface		-						
Method Determined:	Circ.		-			,			
Total Depth:	3734'		-						
		۰.		Injection I	<u>nterval</u>				
3494'	feet to	3631'			(Indicate wheth	er Open Ho	le or perforated)	perforated	
1.	-		<u>.</u>		(,	1	·····
			Dr	oposed Tul	hing Dotail			_ 	
Tubing Size:	2-3/8" J-55		<u>F1</u>	oposed rul	Sing Detail				
Lining Material:		astic Coate							
Type of Packer:	Baker "Lol				· · · · ·				
Packer Setting Depth:	± 3350'								
Other Type of Tubing		l (if applica	_ ble):				,		
	U	• • • •		·					
Addtitional Data									
1. Is this a new well d	•				No				
If no, for what purpose			drilled?		Oil and gas				
2. Name of the Inject					Rivers-Queen-G				
3. Name of Field or P	ool (it appli	cable):		Langlie	Mattix Seven R	livers-Que	een-Grayburg]	
4. Has the well ever t	been perfora	ated in any o	other zo	ne(s)? List	all such perforat	ted interva	als and give p	lugging deta	ul,
I.e. sacks of cement of			No				÷ .		
· · · · · · · · · · · · · · · · · · ·				· · · · · · · · · · · · · · · · · · ·					
5. Give the name and	I denths of t	any oil or ga	00 70000	underlying	or overlying the	nrohosod	Liniaction Tor	o in this are	o.
Jalmat Yates Gas Zor						• • •	•		а.
Juniar Pares Gus Zor		1pp/0x. 004							
Completion Record							·		
		A	,						
Perfs:	Saucono	See attach			·	j		·····	
Acid, Shot, Fracture,	squeeze:								
								- <u></u>	

 Submit 3 Copies to Appropriate District Office 	State of New Me Enc. 57, Minerals and Natural Re		Form C-103 Revised 1-1-89
DISTRICT I P.O. Bax 1980, Hobbe, NM 88240 DISTRICT II P.O. Drawer DD, Artesia, NM 88210	OIL CONSERVATIO P.O. Box 208 Santa Fe, New Mexico	38	WELL API NO. 30-025-09389 5. Indicale Type of Lease
DISTRICT III 1000 Rio Brazos Rd., Aziec, NM 87410		-	STATE X FEE
(DO NOT USE THIS FORM FOR PR DIFFERENT RESE	ICES AND REPORTS ON WEL OPOSALS TO DRILL OR TO DEEPEN RVOIR. USE "APPLICATION FOR PE -101) FOR SUCH PROPOSALS.)	OR PLUG BACK TO A	7. Lease Name or Unit Agreement Name Langlie Lynn Queen Unit
1. Type of Well: OL CAS WEL WEL	oner Injec	tion Well	Langrie Lynn Queen Unit
2. Name of Operator Energen Resources Corp	oration		8. Well No. 5
3. Address of Operator 3300 N. A St, Bldg 4, 4. Well Location	Ste 100, Midland, TX 7	9705	9. Pool name or Wildcat Langlie Mattix 7 RVRS/Queen/GB
	80 Feet From The South Township 23S R:	Line and 198	0 Feet From The East Lice
	10. Elevation (Show whether	DF, RKB, RT, GR, etc.)	
11. Check NOTICE OF IN	Appropriate Box to Indicate I TENTION TO:		eport, or Other Data SEQUENT REPORT OF:
		REMEDIAL WORK	
	CHANGE PLANS		
		CASING TEST AND CE	MENT JOB
OTHER:	U	OTHER:	
 Describe Proposed or Completed Oper work) SEE RULE 1103. 	ations (Clearly state all pertinent details, a	nd give pertinent dates, incluz	ding estimated date of starting any proposed
Re-perforate the 7 RVR	t casing to 500 psi for S/Queen, acidize w/ 3,0 ty test and begin water	000 gals. Run i	Pull injection equipment. Injection packer and tubing,

SIGNATURE	mensur	TITLE	Prod. Tech.	DATE 3/13/2000
TYPE OR PRINT NAME	/ Denise Menoud			TELEPHONE NO. 915-682
(This space for State Use)				
APPROVED BY		mue		DATE

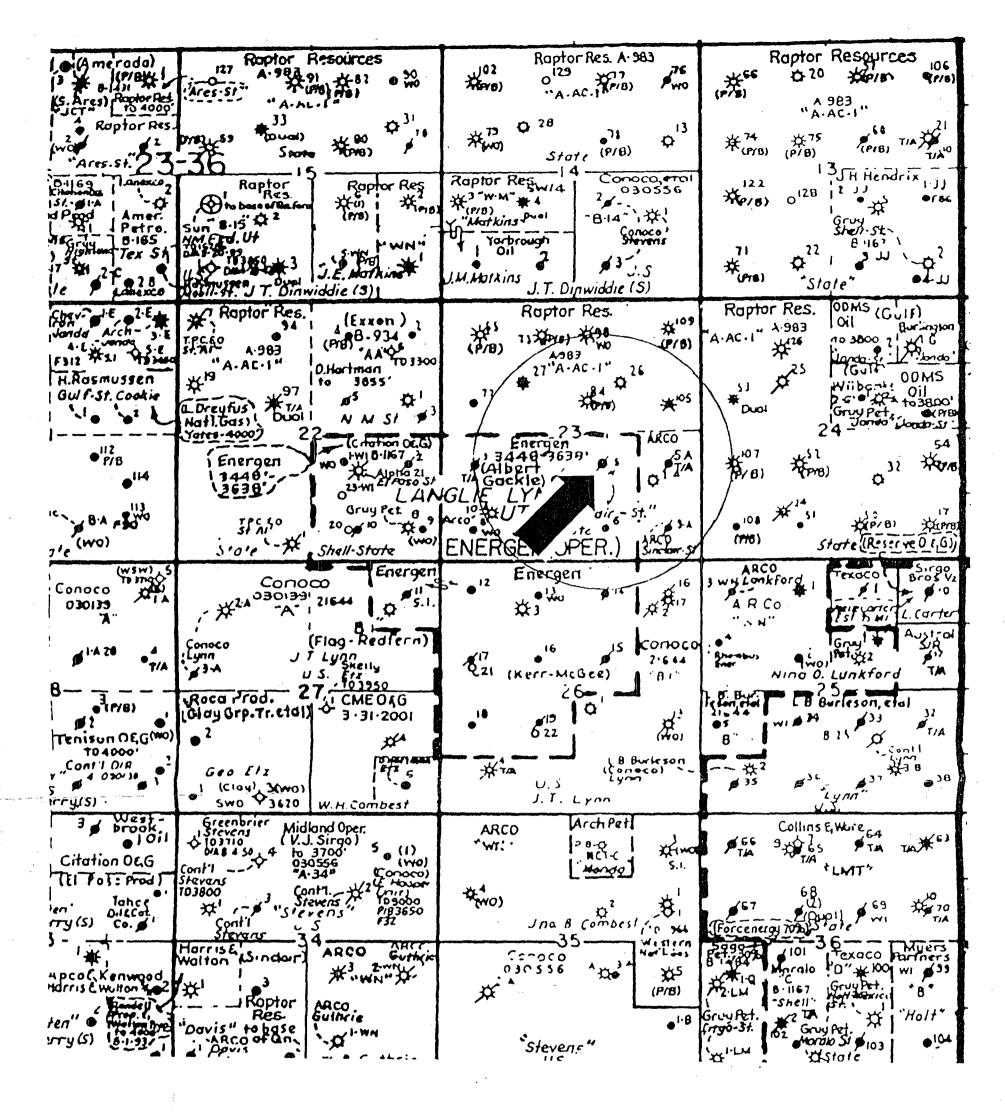


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	28	Reca .rr.ad. 27	•" •" •"		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
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R.G. Barton, Jr.	2438C •		0.0	142 (142) (1	0
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	1405 Perry (5)	# 7. 4 2 1400 4 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	A "Coore.Se " gurlington	- مصروب ويشقه الم	
Wes Perry (s)	TL IVision etal	8 Yum + +	Marcia Harris	inal raging Cospor	





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



LANGLIE-LYNN #5 LANGLIE-LYNN UNIT LANGLIE-MATTIX FIELD

MILES

0

T23S – R36E Lea County, New Mexico HALF MILE RADIUS

JECTION WELL DATA SHEET

		esources				······		
BER:	Langlie Lyr	nn Quee	n Unit #7					
660' FSL,	1980' FWL			<u>N</u>	23		R-36-E	Lea
(Footage Locatio	in)			(Unit Letter)	(Section)	(Township)	(Range)	(County)
		WELL	CONSTRU	ICTION DATA				
			<u>Surface C</u>	Casing				
		-						
·	·	<u> </u>				<i></i>		
	<u></u>	sacks	(or)		<u> </u>	_#3		
	· · · ·	-						
Visual		-						
		F	Production	Casing				
6-3/4"		-						×
4-1/2"		-						
1778		sacks	(or)			_ft3		
Surface		-						
Visual		-						
3800'		-						
			Injection I	nterval				
factta	26021					- · · ·	n o ufo co to d	
. reet to	3062			(Indicate whethe	er Open Hol	e or perforated)	perforated	
							•	
		<u>Pro</u>	posed Tul	oing Detail		2- <u>-</u>		
		- 						
		1 (IPC)						
	K-Set"							
		-						
Casing Sea	a (ii applicat	ne).	·			****		- .
rilled for inj	ection?			No				
was the w	ell originally	drilled?		Oil and gas	· · · · · · · · · · · · · · · · · · ·			
on Formati	on:		Seven	Rivers-Queen-G	Grayburg			
ool (if appli	cable):	·	Langlie	Mattix Seven R	livers-Que	en-Grayburg]	
een perfora	ated in any c	other zon	e(s)? List	all such perforat	ed interva	ls and give p	lugging deta	ail,
r plug(s) us	sed.	No		·····				-
			underlying					
			undenying	or overlying the	proposed	injection zor	ie in this are	a:
		<u></u>						
	See attach	ed diaar	am					
Squeeze:							8	
squeeze.								
	(Footage Location 11" 8-5/8" 275 Surface Visual 6-3/4" 4-1/2" 1778 Surface Visual 3800' feet to $\frac{2-3/8"}{3800'}$ feet to $\frac{2-3/8"}{3800'}$ Casing Sea rilled for inj was the w on Formation ool (if appli) been perfora r plug(s) us 1 depths of a he, Top @ a	$\frac{660' \text{ FSL, 1980' FWL}}{(Footage Location)}$ $\frac{11"}{8-5/8"}$ 275 Surface Visual $\frac{6-3/4"}{4-1/2"}$ $\frac{4-1/2"}{1778}$ Surface Visual $3800'$ feet to 3682' $\frac{2-3/8" \text{ J-55}}{\text{ Internal Plastic Coated}}$ Baker "Lok-Set" $\frac{1}{2} 3350'$ Casing Seal (if applicated) rilled for injection? e was the well originally on Formation: ool (if applicable): been perforated in any control of the soft any oil or gates) depths of any oil or gates) See attach	660' FSL, 1980' FWL (Foolege Location) WELL 11" 8-5/8" 275 sacks Surface Visual 4-1/2" 1778 Surface Visual 3800' feet to 3682' Pro 2-3/8" J-55 Internal Plastic Coated (IPC) Baker "Lok-Set" ± 3350' Casing Seal (if applicable): rilled for injection? e was the well originally drilled? on Formation: ool (if applicable): been perforated in any other zon r plug(s) used. No See attached diagr	660' FSL, 1980' FWL (Footage Location) WELL CONSTRU Surface C 11" Surface C 275 sacks (or) Surface Visual Production 6-3/4" 4-1/2" 1778 sacks (or) Surface Visual 3800' Injection II feet to 3682' Proposed Tul 2-3/8" J-55 Internal Plastic Coated (IPC) Baker "Lok-Set" ± 3350' Casing Seal (if applicable):	660' FSL, 1980' FWL N (Footage Location) (Unit Letter) WELL CONSTRUCTION DATA Surface Casing 11" Surface Casing 275 sacks (or) Surface Visual Production Casing 6-3/4"	BEO'FSL, 1980' FWL N 23 (Unit Letter) (Bedien) WELL CONSTRUCTION DATA Surface Casing 11"	Bit Notes Notes Notes Notes Notes 11" 3680' FWL Notes 1000 Holes 10	Bit Notes Notes Production Notes Production Production <t< td=""></t<>

Submit 3 Copies to Appropriate District Office	State of New Me Ene, Minerals and Natural R		Form C-103 Revised 1-1-89
DISTRICT I P.O. Box 1980, Hobbs, NM 88240	OIL CONSERVATIO	88	WELL API NO. 30-025-09391
DISTRICT II P.O. Drawer DD, Anesia, NM 88210	Santa Fe, New Mexico	87504-2088	5. Indicate Type of Lease STATE X FEE
DISTRICT III 1000 Rio Brazos Rd., Azzec, NM 87410			6. Sizie Oi & Gzs Lesse No. 23267
(DO NOT USE THIS FORM FOR PRO		OR PLUG BACK TO A	7. Lease Name or Unit Agreement Name
(FORM C	IVOIR. USE "APPLICATION FOR PE -101) FOR SUCH PROPOSALS.)	RMIT'	Langlie Lynn Queen Unit
1. Type of Well: OIL ALS WELL	other Conve	rt to WIW	
2. Name of Operator	· ·	<u> </u>	8. Well Na.
Energen Resources Cor	poration		.7
3. Address of Operator		70705	9. Pool name or Wildcat
4. Well Location	Ste 100, Midland, TX	79705	Langlie Mattix 7 RVRS/Queen/GB
]	Feet From The South	Line and1980	Feet From The West Lize
Section 23			NMPM Lea County
	10. Elevation (Show whether	DF, RKB, RT, GR, etc.)	
11. Check	Appropriate Box to Indicate	Nature of Notice, R	eport, or Other Data
NOTICE OF IN	TENTION TO:	SUB	SEQUENT REPORT OF:
		REMEDIAL WORK	
	CHANGE PLANS		OPNS. DPLUG AND ABANDONMENT
PULL OR ALTER CASING		CASING TEST AND CE	EMENT JOB
OTHER: Convert To WIW		OTHER:	·
12 Describe Proposed or Completed Operation	tions (Clearly state all pertirent details, a	nd give pertinent dates, inclu	ding 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	boowlodge and belief.	
SIGNATURE XI. Menaud	me Prod. Tech.	DATE
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:		

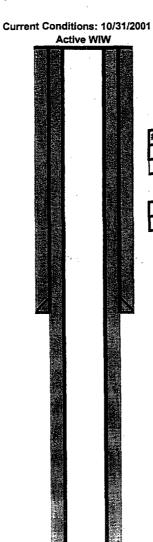
ENERGEN RESOURCES, INC.

Langlie Lynn Unit #7

Lea County, NM

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



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

Tubing Detail (Last Av

#Jts	O.D.	Thread	TAC/Depth	Weight
109	2-3/8*	EUE	·	4.
	1	1		

Packer Detail (Last Av

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

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'

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

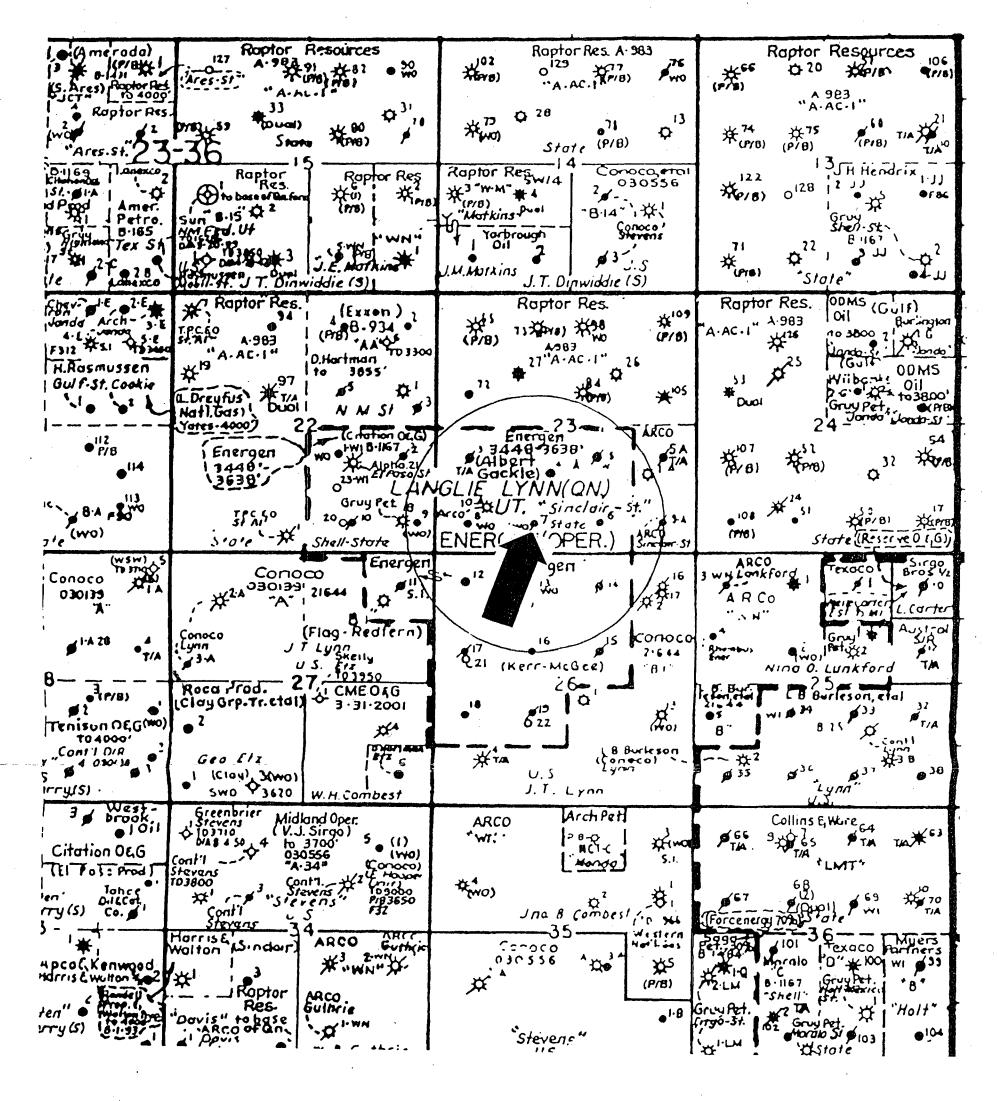
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Deneringer , 22	A wo f	#ma) # #15	• 3* 11 \$58 (*/*) ******	1 Teres Taking of	Canaca 1933
8 . servi ette	9 (4-ece /2) 8ri. 5000	Congre 10	Arch TeF	Tern Suuli CT	
\	#' ¹⁰	# - @#*** ##### # #T/A	ا مەت≇نى تو	usimal ase of Roca Frad. Usimal ase of Clay Sep. Tretal	030555 Com: "8 12 18
to 1'se Denergen	124' Massae 1331		O P/8 * H*	Contil entil Contra di Con	18-7" Frank Starrage
<i>v</i> ; * ²	A THE DESIGN AND A	1 22' 6' •'.	et all of in	Parsmitter Vitig Anny	At Stavenst
1	3.9.7	(110/5/0/0	Sigir	US of Beck Est (S) all sec."	
(Leneca, etel) Reptor Rest.e	Armell Erer. and a (3 morada) a3 B 45 PS 13 H Branch	1, Roorer R	(32 Buptor Res A 28) (32 0127 277 76 (14.40.18*6) 76	Rector Resources Co	Canaco erat terat terat
Leneco g.isos	Wernenit (5. 3rss) 4233	Aracel	"ALACIJ"	(***)	930156 Ø
The Att Rich	Raptor des.	And 13 (10 mail 4 60 0 1 19	₩ ₁₋₀ 28 •71 0 ³		
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LANGLIE-LYNN #7

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



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MILES

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LANGLIE-LYNN #7 LANGLIE-LYNN UNIT

LANGLIE-MATTIX FIELD T23S – R36E Lea County, New Mexico HALF MILE RADIUS

WELL DATA SHEET

OPERATOR:	E	nergen Re	source	S					
WELL NAME & NUM	BER: L	anglie Lynr	n Quee	n Unit #8					<u>-</u>
WELL LOCATION:	660' FSL, 66 (Footage Location)	0' FWL		<u></u>	M (Unit Letter)	23 (Section)	T-23-S (Township)	R-36-E (Range)	Lea (County)
			WELL	CONSTRU	JCTION DATA	,			
		`		Surface (Casing				
Hole Size:	11"								
Casing Size:	8-5/8"		•						
Cemented with:	150	S	sacks	(or)			_ft3		
Top of Cement:	Surface								
Method Determined:	Visual								
			l	Production	Casing				
Hole Size:	6-3/4"								
Casing Size:	4-1/2"								
Cemented with:	1926 Surface		sacks	(or)			_ft3		
Top of Cement: Method Determined:	Visual								
Total Depth:	3712'								
				Injection I	nterval				
24201	feet to 1	6701				-		n anfanata d	
3482'	feet to <u>3</u>	673'			(Indicate wheth	er Open Hol	N	perforated	
· · · · · ·							*		
				<u>Tubing l</u>	Detail				
Tubing Size:	2-3/8"								
Lining Material:							,		
Type of Packer: Packer Setting Depth:	• <u> </u>	<u>.</u>		····					•
Other Type of Tubing	/Casing Seal (if applicabl	e):	•	ź			<u> </u>	
1. Is this a new well of	drilled for injec	tion?			No				
If no, for what purpos		- •	frilled?		Oil and gas	3			
2. Name of the Inject		-			n/a				
3. Name of Field or F	2001 (If applica	ble):			Langlie Ma	ttix Seven	Rivers-Quee	en-Grayburg	
4. Has the well ever l l.e. sacks of cement of		-	her zor	• •	all such perfora				ail,
5. Give the name and Jalmat Yates Gas Zor					or overlying the	• •	•		a:
							·····		
Completion Record									
Perfs:		ee attache	d diagi	am	<i>n.</i>				
Acid, Shot, Fracture,	Squeeze: _						. :		
									·
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ENERGEN RESOURCES, INC.

Current Conditions: Jan-99

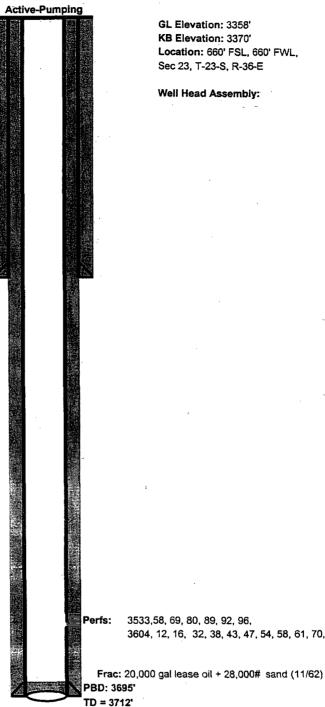
Langlie Lynn Unit #8 Lea County, NM

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

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



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

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

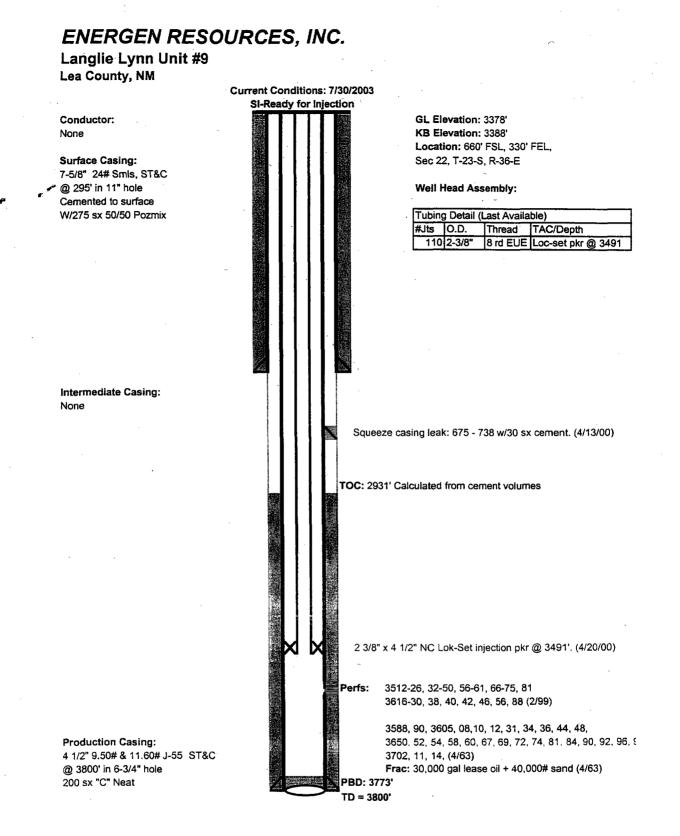
JECTION WELL DATA SHEET

			Resources	<u> </u>		·			
VELL NAME & NUME	BER:	Langlie Ly	nn Queer	n Unit #9					··· -···
VELL LOCATION:	660' FSL, 3	30' FEL			P	22	T-23-S	R-36-E	Lea
	(Footage Location)			(Unit Letter)	(Section)	(Township)	(Range)	(County)
			WELL	CONSTRUC	CTION DATA			1	
				<u>Surface Ca</u>	sing				
lole Size:	9-7/8"		_				•		
asing Size:	7-5/8"								
emented with:	275		sacks	(or)			_ft3		
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	0.074		Ē	Production	Jasing				
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asing Size:	4-1/2"						40		
emented with:	200		_sacks	(or)			_ft3		
op of Cement:	Unknown								
lethod Determined:									
otal Depth:	3800'	<u> </u>	-						
				Injection In	terval				
3512'	feet to	3714'			(Indicate wheth	er Open Hole	e or perforated)	perforated	
	-				,		ب	• <u> </u>	
			_					3	
			Pro	posed Tubi	<u>ng Detail</u>				
ubing Size:	2-3/8" J-55		_						
ning Material:	Internal Pla		d (IPC)						
ype of Packer:	Baker "Lok	-Set"							
acker Setting Depth:	± 3350'		.						
ther Type of Tubing/	Casing Seal	(if applica	ble):			· · · · · · · · · · · · · · · · · · ·			
ddtitional Data									
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Is this a new well d	rilled for inje	ction?	,		No		1		
no, for what purpose	-		/ drilled?		Oil and gas		······································		
Name of the Injecti					Seven Rive		Gravburg		
•							Rivers-Quee	en-Gravburg	
Name of Field or P	x • 1 • •							<u></u>	
Name of Field or P		ad in any	other zon	e(s)? List al	I such perforat	ed interval	s and give p	lugging deta	ail,
Name of Field or P Has the well ever b	een perfora	eu in any			•				
			No		• •				
Has the well ever b								<u></u>	
Has the well ever b . sacks of cement o	r plug(s) use	ed.	No						
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Has the well ever b . sacks of cement o	r plug(s) use	ed. ny oil or ga	No as zones i	underlying o		proposed			
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Has the well ever b s. sacks of cement of Give the name and ulmat Yates Gas Zor	r plug(s) use depths of a ne, Top @ a	ed. ny oil or ga oprox. 304	No as zones i 0'	underlying o	r overlying the	proposed			
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Has the well ever b s. sacks of cement of Give the name and <u>ulmat Yates Gas Zor</u> <u>ompletion Record</u> srfs:	r plug(s) use l depths of a ne, Top @ a	ed. ny oil or ga oprox. 304 See attacl	No as zones i 0' ned diagra	underlying o	r overlying the	proposed			

'Subtrit 3 Copies to Appropriate District Office	Ene: Ainerals and Natural Re		Form C-103 Revised 1-1-89
DISTRICT I P.O. Box 1980, Hobbs, NM 88240	OIL CONSERVATIO P.O. Box 208		TELL API NO.
DISTRICT II P.O. Drawer DD, Artesia, NM 88210	Santa Fe, New Mexico	87504-2088	30-025-20049 5. Indicate Type of Lease STATE X FEE
DISTRICT III 1000 Rio Brazos Rd., Azzec, NM 87410			STATE CI & Gas Lease No. 23267
(DO NOT USE THIS FORM FOR PR DIFFERENT RESE	ICES AND REPORTS ON WEL OPOSALS TO DRILL OR TO DEEPEN RVOR. USE "APPLICATION FOR PEF -101) FOR SUCH PROPOSALS.)		Lease Name or Unit Agreement Name Langlie Lynn Queen Unit
1. Type of Well: OL WELL AAS WELL	OTHER CONVE	ertý to WIW	
2. Name of Operator Energen Resources Cor	proation	- 1	3. Well Na. 9
3. Address of Operator 3300 N. A St, Bldg 4,			P. Pool name or Wildcat anglie Mattix 7 RVRS/Queen/G
00	60 Feet From The South	Line and 330	Feet From TheEast L:
	Township 23S Rai 10. Elevation (Show whether 1 3378' KH	DF, RKB, RT, GR, etc.)	DPM Lea County
11. Check	Appropriate Box to Indicate N	Nature of Notice, Rep	ort, or Other Data
NOTICE OF IN	TENTION TO:	SUBSI	EQUENT REPORT OF:
		REMEDIAL WORK	
	CHANGE PLANS	COMMENCE DRILLING C	PNS. DPLUG AND ABANDONMENT
		CASING TEST AND CEM	

MIRU WSU, pull all producton 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.

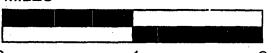
SIONATURE	C. menoud	Prodc. Tech.	DATE DATE 3/13/2011
TYPE OR PRINT NAME	Denise Menoud		TELEPHONE NO.915-68-
This space for State Use)			
APPROVED BY		TILE	DATE
CONDITIONS OF APPROVAL			



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10 John Tex Sh 17 121 2 28 10 Jenne Tex Sh		J.E. MOTHINE	Yorbrough	Conoco' Stevens Januiddie (S)	71 22 ** ** ** **	ole"
Chev- J-E 2-E Honda Arch	Raptor Res.	(Exxen) (Pre) - 8-934 • (AA'Smaan	Ropto	or Res.) ۲۹۹ ۴۴۰	*	ODMS (Gulf) Oil Burlington no 3000 21 41 G Uando 51 21 Jondo
H.Rasmussen Gulf-st. Cookie	1 6 A'AL'I	D.Hartman 103900 to $3855'$ m^5 $tr 1$ $N/AI SI m^3$	• ¹¹ • ^{21"A}	83 10 010 -AC-1" 26 -184 ℃ -700197) ★ ¹⁰	s s per	Gull 00MS Wilbert 011 Gull 00MS Gruypet 011 Gruypet Offer
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Ø ^{1·A} 28 ● ⁴ 7/A		Flag Redlern) Lynn S. Freily	821 (Kerr.M	is conoc 21644 cGee) TBID	o d' ghanna dùo	Gruyi Austrol Junités Lunkford TA
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rry (S) Co.	TD3800 Cont Ster Contil Ster Sterrans 3	ris / 109000 ns / 109000 ris / 193650 ris / 193650		5 - Western	(Forcenergy 702)	PI € 53 ₩ 70 T/A
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LANGLIE-LYNN #9

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

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Conoca # 3 Orsaca # 3 4 8 Conoca	$\begin{array}{c} P_{CD} \\ A 263 \\ H^{*} A A C I^{*} \\ I \end{array}$	ووجد بن الاسم الله والمنور	A 54] * 7/A		Sun O
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B Brottelles	g (4-66072)		Arch FeF	10 Duncan Boco	Conoco 54.005
10 1'34 Dane-ser	€"= 0,5350 	-@####################################	0 " "B "H"		970556 در سن ۳۶٬۱۵٬۰۱۴ ۱۳۶۰۳ ۲۰۰۰ ۲۰۰۰ ۲۰۰۰ ۲۰۰۰ ۲۰۰۰ ۲۰۰۰ ۲۰۰۰ ۱۳۶۰۳ ۲۰۰۰ ۲۰۰۰ ۲۰۰۰ ۲۰۰۰ ۲۰۰۰ ۲۰۰۰ ۲۰۰۰
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ar all a	● ¹¹² ● ¹¹⁴	(Energen) (19 167) (Energen) (19 167) (1948) (19 167) (20 19) (19 167) (19 167)	MAIDERT	\$ \$ o" **	and the first framework
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A the transformer of the transfo	at was interesting if we are interesting i	•2 Tenisan Of,G to Sodo'	Groupet.	(10) Canaco +4 (13)	ALL AND AND FOR A
	Price Whiten - Mi D2036 53 Kukui Ing. Va Switten -	• • • • • • • • •	B tank at Olicet	*000	And Bros. Summer of the
1.0.99 5 60.00 5 60.00 5 60.00	Kukuine V2 Vaniten Tanneco A Chamoi 5 16-97 Toiso		Gruy Pet 12 Teraco		
0 = 4 ' 6' 20 1 ₂ .	Westerey (S)	PTA Service Service Service The Coursecter Service	12 Jaco Sara B 1310 C	(***) (***) (***)	3 7-33 Conserved Burning
® '	3-47 B 4300	l] ● ³ ♥ ²	A contraction of the contraction	and the second second second	Contraction of the second
Wes Perry (1)	TL IV iven etcl	wes Perry (S)		mai Thel Cooper	

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 R	esource	S					
WELL NAME & NUME	BER:	Langlie Lyn	in Quee	n Unit #10					
WELL LOCATION:	660' FSL,	1650' FEL			0	22	T-23-S	R-36-E	Lea
	(Footage Location	n)			(Unit Letter)	(Section)	(Township)	(Range)	(County)
						/			
			<u>WELL</u>	CONSTRU	JCTION DATA				
				<u>Surface (</u>	Casing				
Hole Size:	9-7/8"			4					
Casing Size: Cemented with:	<u>7-5/8"</u> 225		sacks	(or)			ft3		
Top of Cement:	Surface		30013	(01)		<u></u>	_10		
Method Determined:	Visual				·				
	<u></u>		•						
•				Production	Casing				
Hole Size:	6-3/4"		•						
Casing Size:	4-1/2"								
Cemented with:	200		sacks	(or)			_ft3		
Top of Cement:	Unknown								
Method Determined:	3812'								
Total Depth:	3012								
				Injection I	nterval				
50.4	<i>c</i>								
P&A	_ feet to	<u>.</u>			(Indicate whet)	her Open Hol	e or perforated)		
T 1 1 0				Tubing	<u>Detail</u>				
Tubing Size:									
Lining Material: Type of Packer:									
Packer Setting Depth:									
Other Type of Tubing	/Casing Sea	al (if applicat	ole):						
Addtitional Data									
Additional Data					•			×	
1. Is this a new well o	Irilled for inj	ection?			No			·····	
If no, for what purpose			drilled?		Oil and gas	<u>s</u>			<u> </u>
 Name of the Inject Name of Field or P 					n/a	Hiv Covon			
J. Marrie Of Freid OFF		cable).				allix Seven	Rivers-Quee	in-Grayburg	
4. Has the well ever t			ther zor	ne(s)? List	all such perfora	ited interva	lls and give p	lugging deta	ail,
I.e. sacks of cement of									·····
Old perfs in interval from See attached sheet for									
	n pidgging (
	t standlag of								
5. Give the name and				underlying	or overlying the	proposed	injection zor	ie in this are	a:
Jalmat Yates Gas Zor		<u>ippiux. 3040</u>							
			~		<u></u>	<u>·</u>			- wa
Completion Record							1		
Perfs:		See attach	ed diaa	am					
Acid, Shot, Fracture,	Squeeze:								
• •									

-		
NO. OF COPIES RECEIVED		Form C+103
DISTRIBUTION		Supersedes Ild
SANTA FE	NEW MEXICO OIL CONSERVATION COMMISSION	C-102 and C-103 Effective 1-1-65
FILE		
U.S.G.3.		Sa. Indicate Type of Lease
LAND OFFICE		State Fas
OPERATOR		5. State Cil 5 Gas Lease No. B-1167
DO NOT USE THIS FOR	SUNDRY NOTICES AND REPORTS ON WELLS	
	D OTHER. THE Well	7. Unit Agreement Name
2. Name of Operator		8. Fam or Lease Name
CONC	CO INC.	Langlie Lynn Quee
3. Address of Operator P. O. B	ox 460, Hobbs, N.M. 88240	9. Well/No.
4. Location of Well	· · · · · · · · · · · · · · · · · · ·	10. Field and Pool, or Wildom
UNIT LETTER	. 640 PEET FROM THE SOUTH LINE AND 1650 PEET PI	Langlie Mattix 78,
THE East LINE	1. ARCTION TOWNANIA 235 RANGE 36E	
	15. Elevation (Show whether DF, RT, GR, etc.)	12. County
Lē. C	heck Appropriate Box To Indicate Nature of Notice, Report or	Other Data
		ENT REPORT OF:
PERPORM REMEDIAL WORK	PLUG AND ABANDON AREMEDIAL WORK	ALTERING CASING
TEMPORARILY ABANDON	COMMENCE DRILLING OPIS,	PLUG AND A BANDONWEN
PULL OR ALTER CASING	CHANGE PLANS CASING TEST AND CEMENT JOS	
	0THER	
OTHER	ū	
work) SEE RULE 1903.	lotod Operations (Clearly state all pertinent details, and give pertinent dates, includ	
@MIRU on	7-1-56. POOH W/ tbg	
2 Set CIBP	@ 3600. Displace hole w/mud, Se	+3cmt plugs. Ta
3 Bullhead	7-1-56. Poot w/ tbg @ 3600?, Displace hole w/mud, Se lug after waiting on cmt 35 hrs. (To 300 sxs Class "C" cmt down 45 csg, csg. Installed PEA marker, on 7-2-86.	had good return
A Rig down	on 7-2-86.	
)		•
		-

13. I hereby certify that the information above is true and comple	te to the best of my knowledge and belief.	
stanco Ceal O youbrand	rerus Administrative Supervisor	DATE 7-18-36
APPROVED as Describert A suffer	TITLE OIL & GAS INSPECTOR	SED 1 1 100

TITLE OIL & GAS INSPECTOR SEP 1 1 100

ENERGEN RESOURCES, INC.

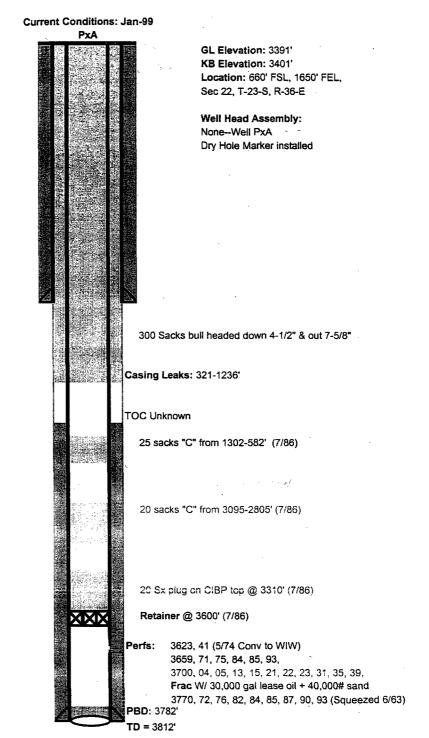
Langlie Lýnn Unit #10 Lea County, NM

Conductor: None

Surface Casing: 7-5/8" 32# H-40, ST&C @"307' in 11" hole Cemented to surface W/225 sx Regular Neat

Intermediate Casing: None

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



JECTION WELL DATA SHEET

PERATOR:		Energen F	Resources	S					
VELL NAME & NUM	BER:	Langlie Ly	nn Quee	n Unit #12		······································			
VELL LOCATION:	660' FNL,	660' FWL	-		D	26	T-23-S	R-36-E	Lea
	(Footage Locati	on)			(Unit Letter)	(Section)	(Township)	(Range)	(County)
	i.								
		:	<u>WELL</u>	CONSTRU	ICTION DATA				
				<u>Surface C</u>	asing				
ole Size:	<u>11"</u>		_						
asing Size:	7-5/8"	<u></u>							
emented with:	200		sacks	(or)	<u></u>		_ft3		
op of Cement: lethod Determined:	Surface Visual		-						
lethoù Determined.	VISUAI								
			,	Production	Cooina				
ole Size:	6-3/4"		Ĕ	Production	Casing				
asing Size:	4-1/2"								
emented with:	300		sacks	(or)			ft3		
op of Cement:	2100'		-				—		
lethod Determined:	TS	······································							
otal Depth:	3750'		_						
				Slim Hole	Casing				
ole Size:	4-1/2"								
asing Size:	2-7/8"		_						
emented with:	545		sacks	(or)			_ft3 ,		
op of Cement:	Surface		-					Ъ.	
ethod Determined:	Visual								
			-						
			-	Iniection l	nterval				
			-	Injection I	nterval				
3446'	feet to	3682'	_	Injection I	nterval (Indicate whethe	er Open Hol	e or perforated)	perforated	
3446'	_ feet to	3682'		Injection I		er Open Hol	e or perforated)	perforated	
	- ^ 			Injection I	(Indicate wheth	er Open Hol	e or perforated)	perforated	
ubing Size:		5	<u>Pro</u>		(Indicate wheth	er Open Hol	e or perforated)	perforated	
ubing Size: ning Material:	2-3/8" J-5 Internal P	5 lastic Coate	<u>Pro</u>		(Indicate wheth	er Open Hol	e or perforated)	perforated	
ubing Size: ning Material: /pe of Packer:		5 lastic Coate	<u>Pro</u>		(Indicate wheth	er Open Hol	e or perforated)	perforated	
Jbing Size:	2-3/8" J-5 Internal P Baker "Lo ± 3350'	5 lastic Coate ok-Set"	<u>Pro</u> d (IPC)		(Indicate wheth	er Open Hol	e or perforated)	perforated	
ubing Size: ning Material: /pe of Packer: acker Setting Depth:	2-3/8" J-5 Internal P Baker "Lo ± 3350'	5 lastic Coate ok-Set"	<u>Pro</u> d (IPC)		(Indicate wheth	er Open Hol	e or perforated)	perforated	
ubing Size: ning Material: /pe of Packer: acker Setting Depth: ther Type of Tubing.	2-3/8" J-5 Internal P Baker "Lo ± 3350'	5 lastic Coate ok-Set"	<u>Pro</u> d (IPC)		(Indicate wheth	er Open Hol	e or perforated)	perforated	· · · · · · · · · · · · · · · · · · ·
ubing Size: ning Material: /pe of Packer: acker Setting Depth: ther Type of Tubing.	2-3/8" J-5 Internal P Baker "Lo ± 3350'	5 lastic Coate ok-Set"	<u>Pro</u> d (IPC)		(Indicate wheth	er Open Hol	e or perforated)	perforated	
ubing Size: ning Material: /pe of Packer: acker Setting Depth: ther Type of Tubing, <u>ddtitional Data</u> Is this a new well c	2-3/8" J-5 Internal P Baker "Lo ± 3350' /Casing Se	i5 lastic Coate ok-Set" al (if applica jection?	<u>Pro</u> d (IPC) ble):		(Indicate wheth oing Detail		e or perforated)	perforated	
ubing Size: ning Material: /pe of Packer: icker Setting Depth: ther Type of Tubing, <u>ddtitional Data</u> Is this a new well c no, for what purpose	2-3/8" J-5 Internal P Baker "Lo ± 3350' /Casing Se	i5 lastic Coate ok-Set" al (if applica jection? vell originally	<u>Pro</u> d (IPC) ble):	posed Tub	(Indicate wheth <u>bing Detail</u>		e or perforated)	perforated	· · · · · · · · · · · · · · · · · · ·
ubing Size: ning Material: /pe of Packer: acker Setting Depth: ther Type of Tubing, <u>ddtitional Data</u> Is this a new well o no, for what purpose Name of the Inject	2-3/8" J-5 Internal P Baker "Lo ± 3350' /Casing Se frilled for in e was the w ion Format	i5 lastic Coate ok-Set" al (if applica jection? vell originally ion:	<u>Pro</u> d (IPC) ble):	posed Tub	(Indicate whether Ding Detail No Oil and gas Rivers-Queen-G	Srayburg			
ubing Size: ning Material: /pe of Packer: icker Setting Depth: ther Type of Tubing. <u>ddtitional Data</u> Is this a new well c no, for what purpose	2-3/8" J-5 Internal P Baker "Lo ± 3350' /Casing Se frilled for in e was the w ion Format	i5 lastic Coate ok-Set" al (if applica jection? vell originally ion:	<u>Pro</u> d (IPC) ble):	posed Tub	(Indicate wheth <u>bing Detail</u>	Srayburg			
ubing Size: ning Material: /pe of Packer: acker Setting Depth: ther Type of Tubing ddtitional Data Is this a new well of no, for what purpose Name of the Inject Name of Field or F Has the well ever t	2-3/8" J-5 Internal P Baker "Lo ± 3350' /Casing Se //Casing Se //Casing Se //Casing Se	i5 lastic Coate ok-Set" al (if applica jection? vell originally ion: icable): rated in any o	<u>Pro</u> d (IPC) ble):	Seven Langlie	(Indicate whether <u>Ding Detail</u> No Oil and gas Rivers-Queen-G Mattix Seven R	Srayburg ivers-Que	en-Grayburg	1	 iif,
ubing Size: ning Material: /pe of Packer: acker Setting Depth: ther Type of Tubing ddtitional Data Is this a new well of no, for what purpose Name of the Inject Name of Field or F Has the well ever t	2-3/8" J-5 Internal P Baker "Lo ± 3350' /Casing Se //Casing Se //Casing Se //Casing Se	i5 lastic Coate ok-Set" al (if applica jection? vell originally ion: icable): rated in any o	<u>Pro</u> d (IPC) ble):	Seven Langlie	(Indicate whether <u>Ding Detail</u> No Oil and gas Rivers-Queen-G Mattix Seven R	Srayburg ivers-Que	en-Grayburg	1	
ubing Size: ning Material: /pe of Packer: acker Setting Depth: ther Type of Tubing, ddtitional Data Is this a new well of no, for what purpose Name of the Inject Name of Field or F	2-3/8" J-5 Internal P Baker "Lo ± 3350' /Casing Se //Casing Se //Casing Se //Casing Se	i5 lastic Coate ok-Set" al (if applica jection? vell originally ion: icable): rated in any o	<u>Pro</u> d (IPC) ble):	Seven Langlie	(Indicate whether <u>Ding Detail</u> No Oil and gas Rivers-Queen-G Mattix Seven R	Srayburg ivers-Que	en-Grayburg	1	
ubing Size: ning Material: /pe of Packer: acker Setting Depth: ther Type of Tubing, ddtitional Data Is this a new well of no, for what purpose Name of the Inject Name of Field or F Has the well ever the sacks of cement of Give the name and	2-3/8" J-5 Internal P Baker "Lo ± 3350' /Casing Se //Casing Se //Casing Se //Casing Se //Casing Se	i5 lastic Coate ok-Set" al (if applica jection? vell originally ion: icable): rated in any of sed. any oil or ga	Pro	Seven Langlie	(Indicate whether Ding Detail No Oil and gas Rivers-Queen-G Mattix Seven R all such perforat	Srayburg ivers-Que ed interva	een-Grayburg	l lugging deta	
ubing Size: ning Material: /pe of Packer: acker Setting Depth: ther Type of Tubing, ddtitional Data Is this a new well of no, for what purpose Name of the Inject Name of Field or F Has the well ever the sacks of cement of	2-3/8" J-5 Internal P Baker "Lo ± 3350' /Casing Se //Casing Se //Casing Se //Casing Se //Casing Se	i5 lastic Coate ok-Set" al (if applica jection? vell originally ion: icable): rated in any of sed. any oil or ga	Pro	Seven Langlie	(Indicate whether Ding Detail No Oil and gas Rivers-Queen-G Mattix Seven R all such perforat	brayburg ivers-Que ed interva proposed	een-Grayburg Is and give p injection zor	l lugging deta	
ubing Size: ning Material: /pe of Packer: icker Setting Depth: ther Type of Tubing. ddtitional Data Is this a new well on no, for what purpose Name of the Inject Name of Field or F Has the well ever the sacks of cement of Give the name and Imat Yates Gas Zon	2-3/8" J-5 Internal P Baker "Lo ± 3350' /Casing Se //Casing Se //Casing Se //Casing Se //Casing Se	i5 lastic Coate ok-Set" al (if applica jection? vell originally ion: icable): rated in any of sed. any oil or ga	Pro	Seven Langlie	(Indicate whether Ding Detail No Oil and gas Rivers-Queen-G Mattix Seven R all such perforat or overlying the	brayburg ivers-Que ed interva proposed	een-Grayburg Is and give p injection zor	l lugging deta	
ubing Size: ning Material: /pe of Packer: acker Setting Depth: ther Type of Tubing, ddtitional Data Is this a new well of no, for what purpose Name of the Inject Name of Field or F Has the well ever the sacks of cement of Give the name and	2-3/8" J-5 Internal P Baker "Lo ± 3350' /Casing Se //Casing Se //Casing Se //Casing Se //Casing Se	i5 lastic Coate ok-Set" al (if applica jection? vell originally ion: icable): rated in any of sed. any oil or ga	Pro	Seven Langlie	(Indicate whether Ding Detail No Oil and gas Rivers-Queen-G Mattix Seven R all such perforat or overlying the	brayburg ivers-Que ed interva proposed	een-Grayburg Is and give p injection zor	l lugging deta	
ubing Size: ning Material: /pe of Packer: icker Setting Depth: ther Type of Tubing. ddtitional Data Is this a new well of no, for what purpose Name of the Inject Name of Field or F Has the well ever the sacks of cement of Give the name and Imat Yates Gas Zon	2-3/8" J-5 Internal P Baker "Lo ± 3350' /Casing Se //Casing Se //Casing Se //Casing Se //Casing Se	i5 lastic Coate ok-Set" al (if applica jection? vell originally ion: icable): rated in any of sed. any oil or ga	Pro	posed Tul Seven Langlie e(s)? List a underlying	(Indicate whether Ding Detail No Oil and gas Rivers-Queen-G Mattix Seven R all such perforat or overlying the	brayburg ivers-Que ed interva proposed	een-Grayburg Is and give p injection zor	l lugging deta	

Onice	Ene Minerals and	d Natu	ral Res	ources	-		Revised	March 25, 19	 99
District I 1625 N. French Dr., Hobbs, NM 87240 District III 811 South First, Artesia, NM 87210 District III 1000 Rio Brazos Rd., Aztec, NM 87410 District IV 2040 South Pacheco, Santa Fe, NM 87505 OIL CONSERVATION DIVISI 2040 South Pacheco Santa Fe, NM 87505				SION	5. Indicate	30-025-2 Type of TE X	Lease FEE		
SUNDRY NOTIO (DO NOT USE THIS FORM FOR PROP DIFFERENT RESERVOIR. USE "APPLI PROPOSALS.) 1. Type of Well: Oil Well X Gas Well		EEPEN C	R PLUG		7. Lease Langlie		-	nent Name:	
2. Name of Operator					8. Well N	0.			7
Energen Resources Corporation	<u> </u>				12		· · · · · · · · · · · · · · · · · · ·		
3. Address of Operator					9. Pool na				
3300 N. "A" St., Bldg 4, Ste.	<u>100, Midland, TX 79</u>	705			<u>Langlie</u>	<u>lattix 7</u>	RVRS/Que	en/GB	
4. Well Location . Unit Letter D:	660 feet from the	Nor	th	_ line and	660	feet from	n the <u> W</u>	estlin	ıe
Section 23	Township 2	235	Range	36E	NMPM		County	Lea	
	10. Elevation (Show w	whether	DR, RK	B, RT, GR, e	tc.)				
11. Check NOTICE OF INT PERFORM REMEDIAL WORK					, Report, o BSEQUEN		ORT OF	: IG CASING	
	CHANGE PLANS		COMM	IENCE DRILL	ING OPNS.		PLUG A	ND	
PULL OR ALTER CASING	MULTIPLE COMPLETION			IG TEST AND NT JOB)		ABANDO	INMENI	
OTHER: Convert to Injection			OTHE	R:					
12 Describe Proposed or Complet	ed Operations (Clearly sta	ate all n	ertinent	details and c	ive nertinen	t dates in	aluding est	imisted data	

escribe 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.

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

SIGNATURE	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	TITIF	DATE	

Conditions of approval, if any:

Lea County, NM					•	GL Eleva	ation: 3368'			
	Current	Conditio		80/2001			ation: 3378			
		Active	e WIW				n: 660' FNL,			
Conductor:							T-23-S, R-36		00/40/4000	
None							5/30/1963 30-025-20	Completed:	06/18/1963	
Surface Casing:							00-020-200	552		
7-5/8" 24# H-40, ST&C					_					
330' in 11" hole Cemented to surface					#Jts	0.0	IThing d		ng Detail (La	st Ava
W/200 sx 50/50 Pozmix						2-1/16"	Thread 10 rd	TAC/Depth	Weight	2.05
W/200 SX 50/50 FO2MIX	· .				107	2-1/10				3.25
								Pack	er Detail (La	st Av
				🏼 [1	Packer Type		
								1.05" NU 10 r	d x 2-7/8" NF	P Arro
-				4-1/2" c	asing	leaks fro	om 580-1300)'		
Intermediate Casing: None				4-1/2" c TOC: 2			om 580-1300)'		
Intermediate Casing: None							om 580-1300)		
None							эт 580-1300)		
None Slim Hole String: (10/80)							om 580-1300) [,]		
None Slim Hole String: (10/80) 2-7/8" tubing @ 3748'	∠ =Ca			TOC: 2	100' t	by TS				
None Slim Hole String: (10/80)	κ °C"			TOC: 2	100' t Spot (oy TS ⊉ 3416' ii	n 2-7/8" cas	ing		
None Slim Hole String: (10/80) 2-7/8" tubing @ 3748'	κ °C"			TOC: 2 Tignt S Perfs:	100' t Spot (3446	₽y TS ₽ 3416' ii -54, 3496	n 2-7/8" cas 5-3504, 3512) degree phas	Sed JS
None Slim Hole String: (10/80) 2-7/8" tubing @ 3748'	к ^а С ^а			TOC: 2 Tight S Perfs:	100' t Spot (3446 3548	⊉ 3416' ii -54, 3496 -50, 64-6	n 2-7/8" cas 5-3504, 3512 6, 82-84,	ing 2-18 (04/00) (120		sed JS
None Slim Hole String: (10/80) 2-7/8" tubing @ 3748' Cemented to surface with 545 \$>	< °C ^a			TOC: 2 Tignt S Perfs:	100' t Spot (3446 3548 3605	⊉ 3416' ii -54, 3496 -50, 64-6 -07, 08-1	n 2-7/8" cas 5-3504, 3512 6, 82-84, 0, 16-18, 24	ing 2-18 (04/00) (120 -26, 28-30, 42-44		sed JS
None Slim Hole String: (10/80) 2-7/8" tubing @ 3748' Cemented to surface with 545 \$> Production Casing:	< °C ^a			TOC: 2 Tignt S Perfs:	100' t Spot (3446 3548 3605 3648	 Dy TS Dy TS 3416' in -54, 349€ -50, 64-6 -07, 08-1 -50, 53-5 	n 2-7/8" cas 5-3504, 3512 6, 82-84, 0, 16-18, 24 5, 59-61, 66	ing 2-18 (04/00) (120 -26, 28-30, 42-44 -68, 80-82'		sed JS
None Slim Hole String: (10/80) 2-7/8" tubing @ 3748' Cemented to surface with 545 \$>	< °C ^a			TOC: 2 Tignt S Perfs:	100' t Spot (3446 3548 3605 3648 (Perf	 Dy TS Dy TS -54, 3496 -50, 64-6 -07, 08-1 -50, 53-5 ed 11/62 	n 2-7/8" cas 5-3504, 3512 6, 82-84, 0, 16-18, 24	ing 2-18 (04/00) (120 -26, 28-30, 42-44 -68, 80-82' 10/80)		sed J(

e for

PBD: 3657' (perforating strip left in hole-unable to fish) TD = 3750'

		······	•		L
Contaco d'	16 11	A Roptor Res : A Restor Res		call de l'ansce d'a	Roro Frod Sur
01104	Raptor Res. J. 4 383 11*** AC-1*	44 14 - 241 A - 1 - A - 13	0 A 363 44	3-1-1 030556 Ø 2	Sur O
Denemiger		***** 0 31 *** ·	· 3 · * * 58	tweet Created and Aline Part	Canaca 10 11 10 10 10 10 10 10 10 10 10 10 10
8 551 1 1 1 4 1 4	g (4-eco 12) bri. 5000'	Sec. 10 - 1111	Arch Far		
¢ 10 3'34	العام ¹⁰		ا فائتھ ہے اور ا	Jeing bate el Roca rea. Jeing bate el Clayurp. Toctal	Canada "54.445 030556 Can1 "5 11" 18
Deneigen		o ³ . ⊢ − − o		Kanil (all Canada	1. 18-T" ["
v: * ^L	The state is the state	(m0) 5	State Cares	Ersman ing Ang	1 ⁻⁴ 2.5 1 ⁻⁴
(Loneso, Hal) Raptor Res		Rotter Becources	Protor Ret A 791		Byte Selament C, J W Wirmiss
(Loneco, riel) Reptor Resis U303574 0 3 1, 7 4 A.17 Lenneco 8-1506	Primeil Ener. and a (3 mersda) 3 8 45 9 13 4 8 114 4 9 Cornnell (5 Ares) 2000 200 9 Cornnell (5 Ares) 2000 200 9 Cornnell (5 Ares) 2000 200 1 1 2 2 2 2	1.01 50° A 200 100 100 0 200	132 014 2413 76	Ramor Recourses Set O 12 Server River (right a yay	030756
All Rich			* 0 28 -71 0	"A ÁČI"	
Convert Ford 1 1	Arr.s.23	Prezu (10 mer) + 80 Some + 10 mer)	State (Pre)		Second Second
OALAICCOSIGNO RAPTOR Res		Raptor Reptor Res	Raptor Per 4 Curaction	3	and a second
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MILES

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LANGLIE-LYNN #12

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

(Ameroda) (P/AME (S. Ares) Raptor Red 10 4000	Ares.St	Resources	102 20070)	Raptor Res. A.9 0 ¹²⁹ -077 A.AC.1 (18)	83 76 W0	¥ ⁶⁶ 0 ²⁰		106 (7/6)
A Roptor Res.	-The store	24690 P	77tino)	28 State (P/8)	ф ¹³	关 ⁷⁴ 共 ⁷⁵ (P/B) (P/B)	(PIB) TIA	21 VA ¹⁰
Dilleg Linence 15/ 16 2 15/ 16 -0 17 Ameri 21 Petro.	to base of Balford	Roptor Res trui (1978)	Raptor Re # ³ "W-M" # (P/0) Yn"Matkins #			122 770/8) 0 ¹²⁸	JH Hendrix, 12 JJ Shon-st	·]])rac
10 2 C 28 10 2 C 28 10 2 C 28 10 10 2 C 28	AND ETO. UP ON F 20:17 (150 Danial of 3 (150		Yorbro	J.T. Dipwiddie (vens vens S)	71 22 ***********************************	e ii67 \ ۲ ملد مع ا مارد م	2 2 2
Chave I.E 2.E Janda Arch 3.E 4.L. Janoa S.E F312 #51 153400		(Exxon) (P78) (P78) AA ¹⁰ 5 0.Hartman	2015 T	Raptor Res. 37540) 7638 4083 27"A-AC-1" 21	₩ ¹⁰⁹ (P/B)	Raptor Res. A.Ac.14 A.983	ODMS (Gulf) Oil Burin no 3800 2 441	Ğ mdoʻ
H.Rasmussen Gulf.st. Cookie	HI. Dreyfus # 1/1 Natl. Gasil Duol	to 3855' # ⁵ ∯ ¹ ,3	• ¹¹ *	F	****	SJ ACS *Diol	Wilbert Oil C. Oil Tose	
• 112 • 12 • 12 • 12 • 12 • 114	Yates 4000) 2 Energen 13440 2638-/	Cc Aption OC.(3) HWI B-167,2 HC Alpho21 23-WI 219050 51 C23-WI 219050 51	En J 344 VAIDEN T/A Gock GLIE LY	23-1, -1 93638. 01 NN(ON)	ARCO SA QIIA	107 +51 (Pr 8) 7(Pr8		54 X0/8
10 8.4 p 00 7 /e (WO)	st Al	Gryg Pet. 8 20 00 10 - 40 9 (wo) Shell Stote	ENERGE		JACO	108 × 14 (710) 51	torte (Reserve O	17 Fames [.6)
Conoco 030135 7		2164	₩ X	nergen [•] ¹ ³ ¹ ⁴ ^{t3}	×16 ≠2 17 17 16 16 16 16 16 16 16 16 16 16	ARCO 3 WH Lonkford 1 A R Co	Texacol Bro	
₿ ^{1-A} 28 4 T/A	ilynn J) y3-A U	(Flag-Redlern) Lynn S. Erz 7. 103950 7. 103950	Éz.	16 15 r-McGee) 26-	CONOCO 21644 1811	Anor Nino 0.		t-ol /A T/A
€ 1 (۲/8) € 2 • Tenisun OEG(00) T0 4000'	Roca Frod. C [Clay Grp. Tr. etal] 2 2	₹ 3·31·2001	•	622 622	,	21644 UI \$ 34	arieson, etal	2 T/A
Cont'l Dir 4 030138 0 5 5 5 5 1 11rry(S)	Geo Elz 1 (Cloy), 3(WO) 5WO 43620	W.H.Combest	* T/A	U.S J.T. Lynn	wieson ico) >-	茯 ² 第 35 第 54	сулл 1 сулл сулл сулл	96
Citation OEG	-> 103710 (V.J. DAB 4 50 4 to Osc	and Oper. Sirgo) 3700' 5 (1) 3556 (190) 34" (Conoco)	ARCO *wi: ·	PB-C2 NCI-C Mongo	s.i.		Е;Wbite Ята таж €LMT ⁴	fes
ien Johce Diller Ty (S) Co.	103800 3 (0)	rens / 109000 ens / Pig3650 S / FJZ	**(wo)	Jna 8 Combest	31 10 344 Western	(67 (2) (Forcenergy 70%)	ore wi	0 (70 TJA
4 pco C. Kenwood Harris Ewulton 402	Horris & Sindar) Walton (Sindar)	ARCO Guttyic # WN + H			₩₩"- \$\$ \$\$ (₽/8)	12.LM 8-1167	Texaco Parrie D" # KO WI Gruypet. Harrisonce B	(3)
ten" (1997) yrry (S) (1997)		Gulhrig 	e	Stevens"	● ¹⁻⁸	Cityo-St. 102 Gru	Pet. A Hol	<i>f</i> ≁ 104

MILES

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LANGLIE-LYNN #12 LANGLIE-LYNN UNIT LANGLIE-MATTIX FIELD

T23S – R36E Lea County, New Mexico HALF MILE RADIUS

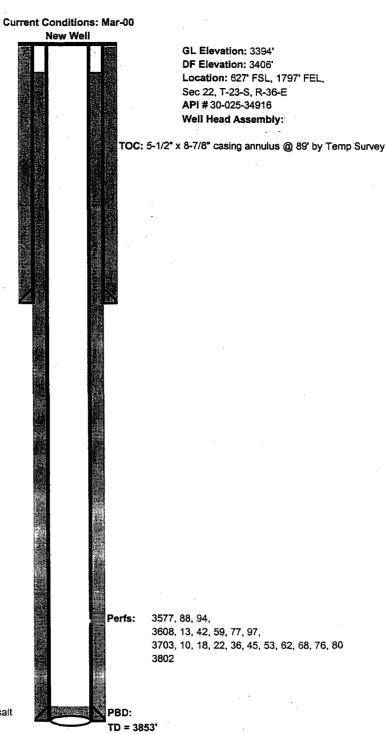
OPERATOR:		Energen R	esources	6				<u></u>	
WELL NAME & NUM	BER:	Langlie Lyr	in Queer	n Unit #20				******	
WELL LOCATION:	672' FSL,	1797' FEL			0	22	<u>T-23-S</u>	R-36-E	Lea
·	(Foolage Locatio	(nc			(Unit Letter)	(Section)	(Township)	(Range)	(County)
v									
			<u>WELL</u>	CONSTRU	CTION DATA				
				<u>Surface C</u>	asing				
Hole Size:	12-1/4"		•						
Casing Size:	8-5/8"						ft3		
Cemented with: Top of Cement:	300 Surface		sacks	(or)			113		
Method Determined:	Sunace		-						
		<u></u>	-						
			Produ	ction Casiı	ng (Intended)				
Hole Size:	7-7/8"				ىلى بىرىكى يەرىپى كەركەر يەرىپى كەركە تەرىپى				
Casing Size:	5-1/2"		-						
Cemented with:	500		sacks	(or)			_ft3		
Top of Cement:	Surface		-						
Method Determined: Total Depth:	Visual 3850'		-						
total Deptit.			-						
				Injection II	nterval				
3576'	feet to	3804'			(Indicate wheth	ner Open Hol	e or perforated)	perforated	
	-						* *		
				<u>Tubing D</u>	<u>Detail</u>				
Tubing Size:									
Lining Material:						,			
Type of Packer:				<u></u>				Ŷ	
Packer Setting Depth:		ol (if opplicat	- 						
Other Type of Tubing	Casing Se	ai (ii applicat	Jiej.						·
Addtitional Data									
1. Is this a new well d	Irilled for in	jection?			No				
If no, for what purpose			drilled?			-24-00. Pr	esently drillir	ig as a prod	ucer
 Name of the Inject Name of Field or F 			•	<u> </u>	n/a	Hin Course			
		icable).	<u></u>		Langlie Ivia	lux Seven	Rivers-Quee	en-Grayburg	
4. Has the well ever b			other zon	e(s)? List a	all such perforat	ted interva	ls and give p	lugging deta	ail,
I.e. sacks of cement c	or plug(s) u	sed.			No				- <u> </u>
		······				······	<u> </u>		
5. Give the name and				underlying	or overlying the	proposed	injection zor	ne in this are	a:
Jalmat Yates Gas Zor	ne, Top @	approx. 3040)'						
Completion Record	<u></u>	······					<u> </u>		<u> </u>
		0							
Perfs: Acid, Shot, Fracture, S	Sources.	See attach	ed diagr	am		•			
	-400526.	<u></u>					······		
	······································						<u></u>	,, ·, ·, ·, ·	

ENERGEN RESOURCES, INC.

Langlie Lynn Unit #20 Lea County, NM

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



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

OPERATOR:	Lanexco						·····	
WELL NAME & NUM	BER: El Paso S	tate #1					· · · · · ·	
WELL LOCATION:	(Francisco)		<u></u>	J (Unit Letter)	22 (Section)	T-23-S (Township)	R-36-E (Range)	Lea (County)
	(Foolage Localion)			(Onit Cartar)	(ancreat)	(rownsnip)	(rtange)	(County)
		WELL	CONSTRUC	CTION DATA				
			<u>Surface Ca</u>	nsing				
Hole Size: Casing Size:	<u>Waiting on data</u> हा ^{द्र} ्यु	-						
Cemented with:	200	- sacks	(or)			ft3	I	
Top of Cement:	Surface	-				-		
Method Determined:	circulated	-						
		Ir	ntermediate	Casing				
Hole Size:		-	nonnouluto	<u>ouonia</u>				
Casing Size:	·	-						
Cemented with: Top of Cement:	••••••••••••••••••••••••••••••••••••••	sacks	(or)			ft3		
Method Determined:								
	7 %	<u>H</u>	Production	Casing				
Hole Size: Casing Size:	55	-•						
_		Śacks	(or)			ft3 🍾		
Top of Cement:	Surface				· · · · · · · · · · · · · · · · · · ·	<u> </u>		
Method Determined:	circulated							
Total Depth:	3610							
	\mathbf{x}		Injection In	<u>terval</u>				
	feet to			(Indicate whethe	er Open Hol	e or perforated)	•	
			Tubing D					·
Tubing Size:	2 3/2		<u>Tubing D</u>	etall				
Lining Material:		_						
Type of Packer:	None							
Packer Setting Depth: Other Type of Tubing	/Casing Seal (if applica	 ble):		<u></u>				
Addtitional Data								
1. Is this a new well o	frilled for injection?			No				
	e was the well originally	drilled?		Oil and gas				·····
 Name of the Inject Name of Field or F 				n/a				
4. Has the well ever l	been perforated in any	other zon						ail.
I.e. sacks of cement of								
5. Give the name and	d depths of any oil or ga		underlying	r overlying the :	proposed	injection zer	a in this are	
	ne, Top @ approx. 304			r ovenying the p		injection zon		
Completion Desert			 				. <u></u>	
Completion Record						د		
Perfs: Acid, Shot, Fracture,	Sausezo							
TOU, OTOL FIDULIE.	JUUCCLC.							

OPERATOR:		Gruy Petro	leum Mar	nagement		· · · · · · · · · · · · · · · · · · ·			
WELL NAME & NUM	BER:	Shell State	e #3						
WELL LOCATION:	660' FSL,	660' FEL			Р	22	T-23-S	R-36-E	Lea
	(Footage Location	n)			(Unit Letter)	(Section)	(Township)	(Range)	(County)
			WELL (CONSTRUC	TION DATA				
				Surface Ca	sing				
Hole Size:	17-1/2"		_		1				
Casing Size:	13-3/8" @	287'	_						
Cemented with:	350		sacks	(or)			ft3		
Top of Cement:	Surface	<u></u>	_						
Method Determined:	Visual	<u> </u>	- 						
								x	
			Int	termediate (<u>Casing</u>		r		
Hole Size:	11-1/4"		_						
Casing Size:	8-5/8" @ 1	213'	_						
Cemented with:	500		sacks	(or)			ft3		
Top of Cement:	Unknown		-						
Method Determined:			-						
			<u>P</u>	roduction C	asing				
Hole Size:	7-7/8"	4051	-						
Casing Size: Cemented with:	5-1/2" @ 3 750	420	- sacks	(or)			ft3 N_		
Top of Cement:	Unknown			(01)			-"" `		
Method Determined:			-						
Total Depth:	3426'		-						
			-						
Addtitional Data									
1. Is this a new well d	Irilled for inj	ection?			No		······		••••••••••••••••••••••••••••••••••••••
If no, for what purpose	e was the w	ell originally	drilled?	+	Oil and gas	····		· · · · · · · · · · · · · · · · · · ·	
2. Name of the Injecti					n/a				
3. Name of Field or P	ool (if appli	cable):			Jalmat Tans	sil-Yates-	Seven Rivers		
4. Has the well ever b	een perfora	ated in any c	other zone	e(s)? List all	such perforate	ed interva	lls and give p	lugging deta	uit.
I.e. sacks of cement o					n/a				····•
5. Give the name and	I denths of a	any oil or da	s 70nes u	inderlying or	overlying the i	nronosed	injection zon	e in this area	. .
Jalmat Yates Gas Zor						proposed			и.
							·		
Completion Record									
<u></u>									

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:

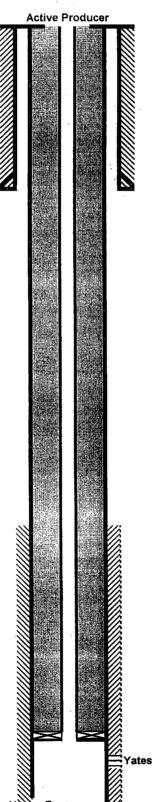
8 5/8"24# @ 383' Hole Size: 12 1/4" Cemented to surface w/ 200 sx Class C

Intermediate Casing: None

383'

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 Harco 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

and the second second

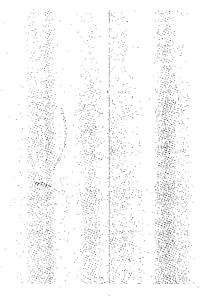
OPERATOR:	Arco Pern	nian			•			
VELL NAME & NUM	BER: Sinclair A	State #1	0					
VELL LOCATION:	990' FSL, 990' FWL			М	23	T-23-S	R-36-E	Lea
	(Foolage Location)			(Unit Letter)	(Section)	(Township)	(Range)	(County)
		WELL	CONSTRUC	TION DATA				
			Surface Cas	ing				
lole Size:	12-1/4"	-						
Size:	8-5/8" @ 340'							
cemented with:	200	_sacks	(or)	·		_ft3		
op of Cement:	Surface							
1ethod Determined:	Visual	-						
		,	Production C	asina				
lole Size:	7-7/8"	<u>.</u>	. Julion O				•	
asing Size:	5-1/2" @ 3550'	-						
emented with:	700	 sacks	(or)			ft3		
op of Cement:	Unknown	-		, 		-		
lethod Determined:		-						
otal Depth:	3550'	-						
			Tubing Det	tail				ı.
ubing Size:	2-3/8" @ 3241'							
ining Material:	·	-						
ype of Packer:				-		8	1	
acker Setting Depth:				-			7	
	/Casing Seal (if applica	ble):						,
ddtitional Data								
Is this a new well o	drilled for injection?			No				
	e was the well originally	/ drilled?		Oil and gas				
Name of the Inject	ion Formation:			n/a				
Name of Field or F	Pool (if applicable):	<u></u>		Jalmat Tan	sil-Yates-	Seven Rivers	i	
	been perforated in any	other zor	ne(s)? List all	such perforat	ed interva	ls and give p	lugging deta	ail,
e. sacks of cement of	or plug(s) used.			<u></u>				
Give the name and	d depths of any oil or ga	as zones	underlying or	overlving the	proposed	injection zon	e in this are	a.
	ne, Top @ approx. 304							
							<u> </u>	· · · · · · · · · · · · · · · · · · ·
ompletion Record								

erfs:	2980'-3454'; PBTD 3520'	
old, Shot, Fracture, Squeeze:	Acidized w/2500 gais, Frac, w/ 22,000 gals. & 46,000# sand	

OPERATOR:		Raptor Res	ources In	C		· · · · · · · · · · · · · · · · · · ·			
WELL NAME & NUME	BER:	State of Ne	w Mexico	A A/C-1 #2	27				
WELL LOCATION:	1650' FNL	1650' FWL			F	23	T-23-S	R-36-E	Lea
	(Foolage Location				(Unit Letter)	(Section)	(Township)	(Range)	(County)
			WELL C	ONSTRUC	TION DATA				
			9	Surface Ca	sing				
Hole Size:	17"								
Casing Size:	12-1/2" @	276'							
Cemented with:	350		sacks	(or)			_ft3		
Top of Cement:	Surface								, A
Method Determined:	Visual								
			Pr	oduction (Casing				
Hole Size:	11"								
Casing Size:	8-5/8" @ 2	880'							
Cemented with:	600		sacks	(or)			_ft3		
Top of Cement:	Unknown								
Method Determined:	3670' OWI						,		
Total Depth:	3070 000	<u> </u>							
Addtitional Data								n	
1. Is this a new well d	rilled for inje	ection?			No				
If no, for what purpose	e was the w	ell originally	drilled?	·	Oil and gas		<u>N</u>		
2. Name of the Inject					n/a				
3. Name of Field or P	ool (if applie	able):			Jalmat Tans	il-Yates-S	Seven Rivers	5	
4. Has the well ever the level of the level	-	-	ther zone	(s)? List al	I such perforate	ed interva	ls and give p	lugging deta	ail,
5. Give the name and Jalmat Yates Gas Zor	•			nderlying o	r overlying the p	proposed	injection zor	ne in this are	a:
Completion Record									
Perfs:		Open hole	2880'-367	' 0'					
Acid, Shot, Fracture, S	Squeeze:	Original TD	3260'; w	ell shut in					
		Deepening	to 3670' d	completed §	9-10-51				

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RAPTOR RESOURCES INC. State of New Mexico A/AC-1 No. 27 Lea County, NM

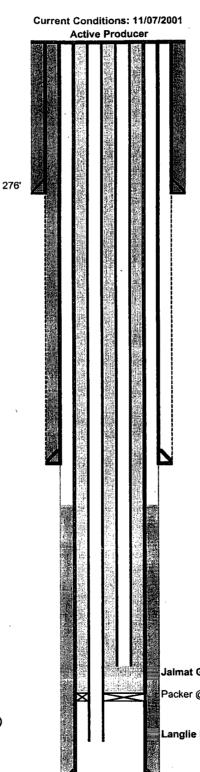
Conductor: None

Surface Casing: 12-1/2"50# @ 276' Hole Şize: 17" Cerfiented to surface w/ 350 sx

Intermediate Casing: 8-5/8" 28# @ 2880" Hole Size: 11" Cmt w/ 600 sx TOC: Unknown

TOC: 2950'

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



GL Elevation: ? KB Elevation: DF 3368' Location: 1650' FNL X 1650' FWL Unit F Sec 23, T-23-S, R-36-E Spud: 03/05/1949 Completed: 04/01/1949 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)

OPERATOR:	Raptor Res	sources Inc.						<u></u>
WELL NAME & NUM	BER: State of Ne	ew Mexico A A	A/C-1 #72		·			
WELL LOCATION:	1980' FNL, 660' FWL		v. 1	E	23	T-23-S	R-36-E	Lea
	(Foolage Location)			(Unit Letter)	(Section)	(Township)	(Range)	(County)
				,				
		WELL CON	STRUCTI	ON DATA				
		Surl	face Casin	a			-	
Hole Size:	13-3/4"	•						
Casing Size:	9-5/8" @ 328'		· · · ·			40		
Cemented with:	<u>300</u>	sacks (or)			_ft3		
Top of Cement:	Surface	.						
Method Determined:	Visual	-		·			:	
		Produ	uction Cas	ing				
Hole Size:	8-3/4"						N.	
Casing Size:	7" @ 3560'	-						
Cemented with:	250	sacks (or)			_ft3		
Top of Cement:	Unknown	-						
Method Determined:		•						
Total Depth:	3587'	•						
		. T	hina Dotoi					
Tubing Size:	2-3/8"@ 3358'	<u></u>	bing Detai	<u>/</u>				
Lining Material:	2-0/0 @ 0000	•						
Type of Packer:	<u></u>							
Packer Setting Depth:	······		· · · · · · · · · · · · · · · · · · ·					
	/Casing Seal (if applicat	- ple):						
Addtitional Data								
1. Is this a new well o	trilled for injection?	·		No				
If no, for what purpose	e was the well originally	drilled?		Oil and gas			I	
2. Name of the Inject	ion Formation:			n/a				
3. Name of Field or F	Pool (if applicable):			Jalmat Tan	sil-Yates-S	Seven Rivers	.	
4. Has the well ever t I.e. sacks of cement of	peen perforated in any c pr plug(s) used.	other zone(s)?	? List all su	uch perforat	ed interva	ls and give p	lugging deta	ail,
	d depths of any oil or ga ne, Top @ approx. 3040		rlying or o	verlying the	proposed	injection zon	e in this are	a:
	<u></u>		·····					
Completion Record				,				
Perfs:	Open hole	3560'-3587';	<u>PBTD 351</u>	<u>3'; 3506'-3</u> 4	82'			
Acid, Shot, Fracture,	Squeeze: Open hole	sand jetted @) 3563' for	4 hrs.				
		SOT w/10,00),000 # sar	nd		
	3506'-3482	2' 1750 gal. 7.		the second s				
	····	Frac w/ 22,0			W 99 T C	CO2 & 308 M	CF N2 &	
		130,000# 12	20 Brady	sand	<u> </u>		· · · · · · · · · · · · · · · · · · ·	

OPERATOR:		Raptor Res	sources	Inc.				、 ······	
WELL NAME & NUM	BER:	State of Ne	w Mexi	co A A/C-1 #	84				
WELL LOCATION:	1980' FNL	2310' FEL			G	23	T-23-S	R-36-E	Lea
	(Footage Location	וי			(Unit Letter)	(Section)	(Township)	(Range)	(County)
				0010701					
			WELL		CTION DATA				
				Surface Ca	asing				
Hole Size:	12-1/4"	<u> </u>							
Casing Size: Cemented with:	<u>9-5/8" @ 3</u> 300	34	sacks	(07)			ft3		
Top of Cement:	Surface	······································	Sacks	(or)	<u> </u>	· · · · · · · · · · · · · · · · · · ·			
Vethod Determined:	Visual		•						
Nethod Determined.	1000		•						
			!	Production	<u>Casing</u>				
Hole Size:	8-3/4"								
Casing Size:	7" @ 3529	1 	-						
Demented with:	250		sacks	(or)			ft3		
Fop of Cement:	Unknown								
Method Determined:	0.5051	· · · · · · · · · · · · · · · · · · ·							
Fotal Depth:	3585'		•						
				Tubing D	<u>etail</u>		•		
ubing Size:	2-3/8"	·							
ining Material:									
ype of Packer:							Ŋ		
'acker Setting Depth:	2918'		•				,		
Other Type of Tubing	/Casing Sea	l (if applicab	ole):						
Addtitional Data							ŗ		
. Is this a new well o	drilled for inje	ection?			No				
no, for what purpos	e was the w	ell originally	drilled?		Oil and gas				
. Name of the Inject	ion Formatio	on:			n/a				
. Name of Field or F	Pool (if applie	able):			Jalmat Tan	sil-Yates-S	Seven Rivers	;	
. Has the well ever l e. sacks of cement o			ther zor	ne(s)? List a	Il such perforat	ed interva	ls and give p	lugging deta	ail,
								·····	
Give the name and almat Yates Gas Zor				underlying o	r overlying the	proposed	injection zon	e in this are	a:
						,,			
ompletion Record									
erfs:		Open hole	3519'-3	585'; PBTD :	3380'; 2918'-31	23'			
cid, Shot, Fracture,	Squeeze:		Vibro-fr	aced @ 354	8'-51' w/3 No. 3	charges			
					,000 gals. Refir				
<u></u>		2918'-3123	' Acidiz	e w/ 1500 ga	als. Frac w/ 140	0 bbl. & 2	00,000# 12/	30 sand	
·		·			^				

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OPERATOR:		Doyle Harl	tman	<u></u>			-		
WELL NAME & NUM	BER:	State of N	ew Mexico	o AA #1				·····	
WELL LOCATION:	1980' FNL,	660' FEL			Н	22	T-23-S	R-36-E	Lea
·	(Footage Location)			(Unit Letter)	(Section)	(Township)	(Range)	(County)
			WELL (CONSTRU	CTION DATA		-		
				<u>Surface C</u>	asing				
Hole Size:	13-3/4		_						
Casing Size:	10-3/4" @ 3	305.26'	_						
Cemented with:	300		sacks	(or)			ft3		
Top of Cement:	Surface		-						
Method Determined:	Visual		-						
							4		
			<u>P</u>	roduction	<u>Casing</u>				
Hole Size:	8-3/4"		-						
Casing Size:	7" @ 2906'		-	(07)			40		
Cemented with: Top of Cement:	2350 n/a		sacks	(or)			_ft3		
Method Determined:	<u>11/a</u>		-						
Total Depth:	3130'		-						
rotar boptin.			-						
Addtitional Data									
1. Is this a new well d	rilled for inje	ction?			No				
If no, for what purpose	e was the we	ell originally	drilled?		Oil and gas		A.		
2. Name of the Inject	ion Formatio	n:		<u> </u>	n/a		·. •		
3. Name of Field or P	ool (if applic	able):			Jalmat Tans	sil-Yates-	Seven Rivers	; 	
4. Has the well ever to l.e. sacks of cement of			other zone	e(s)? List a	III such perforate	ed interva	Is and give p	lugging deta	ail,
5. Give the name and Jalmat Yates Gas Zor	•			Inderlying o	or overlying the	proposed	injection zor	ie in this are	a:
Completion Record		2 -					,		
Perfs:		Open hole	2906'-31	30'					
Acid, Shot, Fracture, S	Squeeze:	None					·····		
								·	

OPERATOR:		Grace Pe	troleum Co	orp.		······			
WELL NAME & NUM	BER:	State of N	lew Mexico	D AA #3					
WELL LOCATION:	2310' FNL	330' FEL			Н	22	T-23-S	R-36-E	Lea
	(Footage Location		· · · · · · · · · · · · · · · · · · ·		(Unit Letter)	(Section)	(Township)	(Range)	(County)
			<u>WELL (</u>	CONSTRU	CTION DATA				
				Surface C	asing		ť		
Hole Size:	9-7/8"								
Casing Size:	7-5/8" @ 3	28'	_						
Cemented with:	175		sacks	(or)			ft3		
Top of Cement:	Surface								
Method Determined:	Visual		_						
			P	roduction	Casing				
Hole Size:	6-3/4"		<u> </u>		<u></u>				
Casing Size:	2-7/8" @ 3	629'							
Cemented with:	200		_ sacks	(or)			ft3		
Top of Cement:	 n/a			()	• ······	······································			
Method Determined:			-						
Total Depth:	3630'								
Addtitional Data									
1. Is this a new well of	drilled for inje	ection?			No				
If no, for what purpos	e was the w	ell originally	y drilled?		Oil and gas		n n		
2. Name of the Inject	tion Formatio	on:			n/a		, 1		
3. Name of Field or F	Pool (if applie	cable):			Langlie Mat	tix Seven	Rivers-Quee	en-Grayburg	
4. Has the well ever l	been perfora	ated in any	other zone	e(s)? List a	II such perforat	ed interva	ls and give p	lugging deta	ull,
I.e. sacks of cement of	or plug(s) us	ed.					****		
Old perfs @ 3613'-36	21'. PA'd 4-	16-79 as fo	llows:			•			`````
Set 100' cmt plug 50'	in & 50' out	of 2-7/8" ca	asing stub	@ 2050' w	/ 30 sx (TOC 1	950')			
Set 100' cmt plug @ 3	378' w/ 30 s	(TOC 278	3')						
Spot 15 sx cmt @ su	rface								

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

