

April 20, 2000

Mr. Mark Ashley State of New Mexico Oil Conservation Division 2040 South Pacheco Santa Fe, New Mexico 87505

Case 12614

Dear Mr. Ashley,

RE: Energen Resources Corporation, Ogrid #162928 Application for Administrative Approval to Inject, (Expansion of Project #WFX-581) Langlie Lynn Queen Unit, Wells #3,5,7,9,12,14,16,18, Lea County, New Mexico

As a follow-up to our recent telephone conversation and to letter of April 14, 2000 from Denise H. Menoud, of this office, Energen's application did not include well # 23. Well #23 was included in the legal notice and advertised in the paper but once the Lanexco letter of March 23, 2000 was reviewed, Energen elected to exclude Well # 23 from its application to inject until the relationship between Well #23 and the Lanexco, Inc well, being the El Paso State # 1, is fully evaluated. It is our understanding that Lanexco, Inc. objections were limited to well #23.

If anything else is needed, please advise.

Sincerely.

/District Landman ASHLEY-INJECT-LLQU

KHG/pkr

cc: Lanexco, Inc. Attention: Mr. Robert W. Lansford, President

Scott Hall

Energen Resources Corporation, an Energen Company 3300 North "A" Street, Building 4, Suite 100, Midland, Texas 79705



April 14, 2000

State of New Mexico Oil Conservation Division 2040 South Pacheco Santa Fe, New Mexico 87505

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RE: Energen Resources Corporation, Ogrid #162928 Application for Administrateive Approval to Inject, Expansion of Project #WFX-581 Langlie Lynn Queen Unit, Wells #3, 5, 7, 9, 12, 14, 16, & 18 Lea County, New Mexico

Gentlemen:

Energen Resources Corporation is seeking Administrative Authority to Expand it's existing Injection Permit #WFX-581 on the above wells. Enclosed are the following required supporting documents to complete the application.

- 1. Original C-108 Form.
- 2. Well Data Sheet on each well on Injection Application, including wellbore schematics and maps.
- 3. Table of Wells of all wells in "Area of Review" (1/2 mile).
- 4. Well Data Sheet on all wells in "Area of Review".
- 5. Proposed Project, including "Geological Data" and "Stimulation Program".
- 6. Water analysis on injection fluid.
- 7. Water analysis on fresh water wells.
- 8. Logs on new drill LLQU #20, (logs previously submitted on all other wells).
- 9. "Proof of Notice" to county newspaper, including "Affidavit of Publication".
- 10. "Proof of Notice" to State of New Mexico as landowner.
- 11. "Proof of Notice" to all leasehold operators within 1/2 mile.

Should additional information be needed, please advise.

Sincerely,

Denne Menoud

Denise A. Menoud Production Tech. Energen Resources Corporation (915) 687-2074 Encl.

cc: Hobbs District Office cc: N.M. State Land Office

Khu GWY - 68 0753

STATE OF NEW MEXICO ENERGY, MINERALS AND NATURA RESOURCES DEPARTMENT

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OIL CONSERVATION DIVISION 2040 SOUTH PACHECO SANTA FE, NEW MEXICO 87505

FORM C-108 Revised 4-1-98

APPLICATION FOR AUTHORIZATION TO INJECT

/	
√ I.	PURPOSE: X Secondary Recovery Pressure Maintenance Disposal Storage Application qualifies for administrative approval? Yes No
<u>у</u> п.	OPERATOR: Energen Resources Corporation
•	ADDRESS: 3300 N. A St, Bldg 4, Ste 100, Midland, TX 79705
	CONTACT PARTY: Denise Menoud PHONE: (915) 687-2074
III.	WELL DATA: Complete the data required on the reverse side of this form for each well proposed for injection. Additional sheets may be attached if necessary.
IV.	Is this an expansion of an existing project? \underline{X} Yes No If yes, give the Division order number authorizing the project: WFX-581 $R-447$
V.	Attach a map that identifies all wells and leases within two miles of any proposed injection well with a one-half mile radius circle drawn around each proposed injection well. This circle identifies the well's area of review.
VI.	Attach a tabulation of data on all wells of public record within the area of review which penetrate the proposed injection zone. Such data shall include a description of each well's type, construction, date drilled, location, depth, record of completion, and a schematic of any plugged well illustrating all plugging detail.
VII.	Attach data on the proposed operation, including:
	 Proposed average and maximum daily rate and volume of fluids to be injected; Whether the system is open or closed; Proposed average and maximum injection pressure; Sources and an appropriate analysis of injection fluid and compatibility with the receiving formation if other than reinjected produced water; and, If injection is for disposal purposes into a zone not productive of oil or gas at or within one mile of the proposed well, attach a chemical analysis of the disposal zone formation water (may be measured or inferred from existing literature, studies, nearby wells, etc.).
*VIII.	Attach appropriate geologic data on the injection zone including appropriate lithologic detail, geologic name, thickness, and depth. Give the geologic name, and depth to bottom of all underground sources of drinking water (aquifers containing waters with total dissolved solids concentrations of 10,000 mg/l or less) overlying the proposed injection zone as well as any such sources known to be immediately underlying the injection interval.
L IX.	Describe the proposed stimulation program, if any.
*X.	Attach appropriate logging and test data on the well. (If well logs have been filed with the Division, they need not be resubmitted).
< *XI.	Attach a chemical analysis of fresh water from two or more fresh water wells (if available and producing) within one mile of any injection or disposal well showing location of wells and dates samples were taken.
XII.	Applicants for disposal wells must make an affirmative statement that they have examined available geologic and engineering data and find no evidence of open faults or any other hydrologic connection between the disposal zone and any underground sources of drinking water.
XIII.	Applicants must complete the "Proof of Notice" section on the reverse side of this form.
XIV.	Certification: I hereby certify that the information submitted with this application is true and correct to the best of my knowledge and belief.
	NAME: Denise Menoud TITLE: Production Tech.
	SIGNATURE: Arise Mensued DATE: 04/13/00

* If the information required under Sections VI, VIII, X, and XI above has been previously submitted, it need not be resubmitted. Please show the date and circumstances of the earlier submittal:

DISTRIBUTION: Original and one copy to Santa Fe with one copy to the appropriate District Office

III. WELL DATA

- A. The following well data must be submitted for each injection well covered by this application. The data must be both in tabular and schematic form and shall include:
 - (1) Lease name; Well No.; Location by Section, Township and Range; and footage location within the section.
 - (2) Each casing string used with its size, setting depth, sacks of cement used, hole size, top of cement, and how such top was determined.
 - (3) A description of the tubing to be used including its size, lining material, and setting depth.
 - (4) The name, model, and setting depth of the packer used or a description of any other seal system or assembly used.

Division District Offices have supplies of Well Data Sheets which may be used or which may be used as models for this purpose. Applicants for several identical wells may submit a "typical data sheet" rather than submitting the data for each well.

- B. The following must be submitted for each injection well covered by this application. All items must be addressed for the initial well. Responses for additional wells need be shown only when different. Information shown on schematics need not be repeated.
 - (1) The name of the injection formation and, if applicable, the field or pool name.
 - (2) The injection interval and whether it is perforated or open-hole.
 - (3) State if the well was drilled for injection or, if not, the original purpose of the well.
 - (4) Give the depths of any other perforated intervals and detail on the sacks of cement or bridge plugs used to seal off such perforations.
 - (5) Give the depth to and the name of the next higher and next lower oil or gas zone in the area of the well if any.

XIV. PROOF OF NOTICE

All applicants must furnish proof that a copy of the application has been furnished, by certified or registered mail, to the owner of the surface of the land on which the well is to be located and to each leasehold operation within one-half mile of the well location.

Where an application is subject to administrative approval, a proof of publication must be submitted. Such proof shall consist of a copy of the legal advertisement which was published in the county in which the well is located. The contents of such advertisement must include:

- (1) The name, address, phone number, and contact party for the applicant;
- (2) The intended purpose of the injection well; with the exact location of single wells or the Section, Township, and Range location of multiple wells;
- (3) The formation name and depth with expected maximum injection rates and pressures; and,
- (4) A notation that interested parties must file objections or requests for hearing with the Oil Conservation Division, 2040 South Pacheco, Santa Fe, New Mexico 87505, within 15 days.

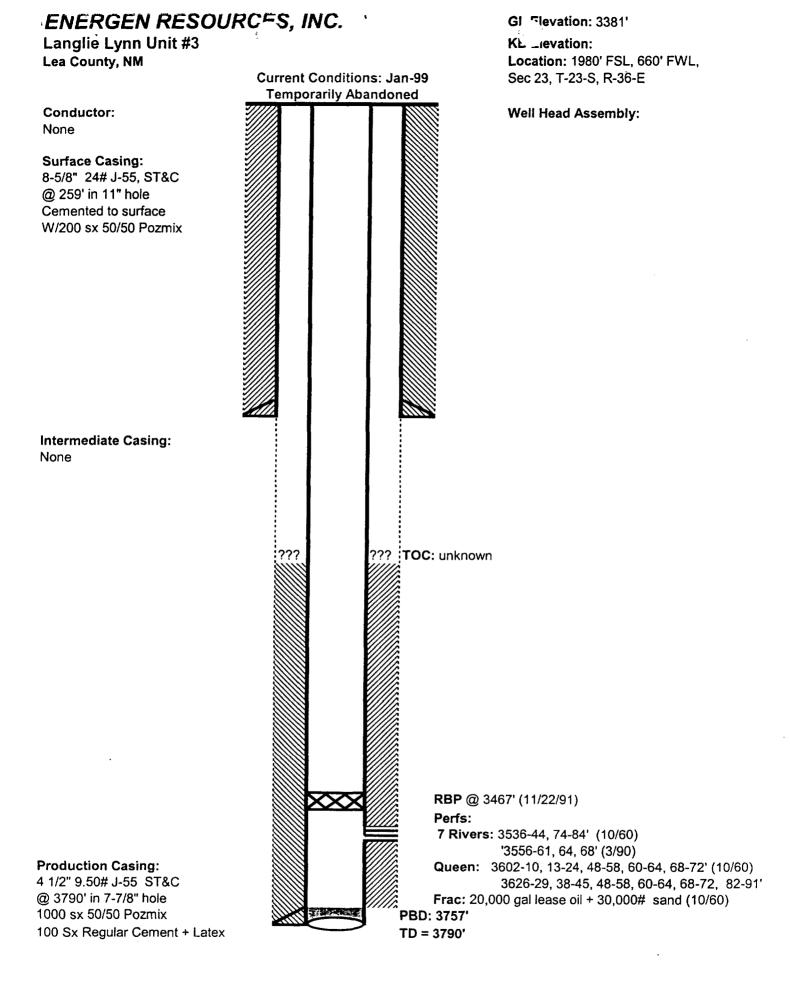
NO ACTION WILL BE TAKEN ON THE APPLICATION UNTIL PROPER PROOF OF NOTICE HAS BEEN SUBMITTED.

NOTICE: Surface owners or offset operators must file any objections or requests for hearing of administrative applications within 15 days from the date this application was mailed to them.

Injection Interval	(Indicate whether Open Hole or perforated) perforated	Proposed Tubing Detail		No Oil and gas	Langlie Mattix Seven Rivers-Queen-Grayburg	perforated in any other zone(s)? List all such perforated intervals and give plugging detail, ig(s) used. <u>No</u>	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'		ram	
	feet to 3691'	ProTubing Size:2-3/8" J-55Lining Material:2-3/8" J-55Lining Material:Internal Plastic Coated (IPC)Type of Packer:Baker "Lok-Set"Packer Setting Depth:3458'Other Type of Tubing/Casing Seal (if applicable):		 Is this a new well drilled for injection? If no, for what purpose was the well originally drilled? Nome of the Injection Committee. 	Name of Field or Pool (if applicable):	been perforated in any other zor or plug(s) used. <u>No</u>	d depths of any oil or gas zones ne, Top @ approx. 3040'		See attached diagram Squeeze:	
	3490'	Tubing Size: Lining Material: Type of Packer: Packer Setting Depth: Other Type of Tubing	Addtitional Data	 Is this a new well drilled for injecting for the set of the set of the purpose was the well of Nome of the Injection Economical 	3. Name of Field or F	 Has the well ever been perforated sacks of cement or plug(s) used. 	5. Give the name and de Jalmat Yates Gas Zone,	Completion Record	Perfs: Acid, Shot, Fracture, Sque	

Total Depth: 3790'

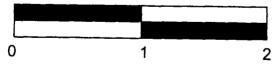
Office	Ener. Minerals and	Natural Resources	R	Form C-103 evised March 25, 1999
District I 1625 N. French Dr., Hobbs, NM 87240	۰.		WL API NO.	
<u>District II</u> 811 South First, Artesia, NM 87210		TION DIVISION	<u>30-025-09388</u> 5. Indicate Type of Lease	
District III		h Pacheco	· · · · ·	FEE
1000 Rio Brazos Rd., Aztec, NM 87410 District IV	Santa Fe, 1	NM 87505		
2040 South Pacheco, Santa Fe, NM 87505			6. State Oil & Gas Lease	NO.
(DO NOT USE THIS FORM FOR PROP DIFFERENT RESERVOIR. USE "APPLIC PROPOSALS.)		EPEN OR PLUG BACK TO A	7. Lease Name or Unit A Langlie Lynn Queen U	
1. Type of Well: Oil Well Gas Well	Other Injection			
2. Name of Operator			8. Well No.	
Energen Resources Corporation 3. Address of Operator		· · · · · · · · · · · · · · · · · · ·	3 9. Pool name or Wildcat	
3300 N. "A" St., Bldg 4. Ste. 4. Well Location	100. Midland. TX 797(05	Langlie Mattix 7 RVRS	/Queen/GB
		6		
Unit Letter :	1980 feet from the	South line and	660 feet from the	West line
Section 23	Township 23		NMPM Cou	nty Lea
	10. Elevation (Show wh	nether DR, RKB, RT, GR, etc	c.)	
11 Check A	Appropriate Box to Ind	licate ₁ Nature of Notice,	Report or Other Data	
NOTICE OF INTI			SEQUENT REPORT	
	PLUG AND ABANDON		·	
TEMPORARILY ABANDON	CHANGE PLANS			
PULL OR ALTER CASING	MULTIPLE COMPLETION	CASING TEST AND CEMENT JOB		
OTHER:				
 Describe Proposed or Complete of starting any proposed work). or recompilation. 				
Note: Well was TA'd from	injection in 08/91.			
02/16-18/00: MIRUPU. tes Peforated 7 RVRS/Queen @ 3				
02/19/00: Found new PBTD	to be @ 3757'.			
02/22/00: RIH w/ 2 3/8" tested csg to 550# for 30				
I hereby certify that the information above f_{1}	•	• •		
SIGNATURE	oud	TITLE Production Tech.	DATE	03/16/2000
Type or print name Denise Menoud			Telephone No.	(915)687-2074
(This space for State use)				
APPROVED BY		TITLE	DATE	<u> </u>
Conditions of approval, if any:				



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LANGLIE-LYNN #3 LANGLIE-LYNN UNIT LANGLIE-MATTIX FIELD

T23s – R36E Lea County, New Mexico HALF MILE RADIUS

IJECTION WELL DATA SHEET

OPERATOR: Energen Resources									<u> </u>
WELL NAME & NUM	BER:	Langlie Lyr	n Quee	en Unit #5					
WELL LOCATION:	1980' FSL	, 660 FWL			J	23	T-23-S	R-36-E	Lea
	(Footage Locatio		×		(Unit Letler)	(Section)	(Township)	(Range)	(County)
			WELL	CONSTRUC	TION DATA				
				Surface Ca					
Hole Size:	11"			Sunace Ca	Siriy				
Casing Size:	8-5/8"								
Cemented with:	200		sacks	(or)			ft3		
Top of Cement:	Surface						-		
Method Determined:	Visual		· ,						
Hole Size:	6 2/4"		Ē	Production C	asing				
	6-3/4"		•						
Casing Size:	4-1/2"						40		
Cemented with:	<u>1600</u>		sacks	(or)			_ft3		
Top of Cement:	Surface		•						
Method Determined:	Circ.		•						
Total Depth:	3734'		•						
				Injection Int	erval				
3494'	feet to	3631'			(Indicate whethe	er Open Hole	or perforated)	perforated	
			<u></u>		(maloate whethe		or periorated)	ponoraiou	
· (<u>Tubing De</u>	<u>tail</u>				
Tubing Size:	2-3/8"		-						
Lining Material:									
Type of Packer:		<u> </u>							
Packer Setting Depth: Other Type of Tubing		ol (if applier	- ablo):						
Other Type of Tubing	reasing se	ar (ir applica	adie).	-					
1.1.1111 - 1.D4.									
Addtitional Data									
1. Is this a new well	drilled for ir	jection?			No				
If no, for what purpos		-	y drilled		Oil and gas				
2. Name of the Injec					ivers-Queen-				
3. Name of Field or I	Pool (if app	licable):		Langlie N	Aattix Seven I	Rivers-Qu	een-Graybu	rg	
4. Has the well ever	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 an	d depths of	any oil or g	as zone	s underlying	or overlying t	he propos	ed injection	zone in this	area:
Jalmat Yates Gas Zo									
					<u></u>	<u></u>			
Completion Record	1								
Perfs:		See attacl	ned diad	Iram					

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Acid, Shot, Fracture, Squeeze:

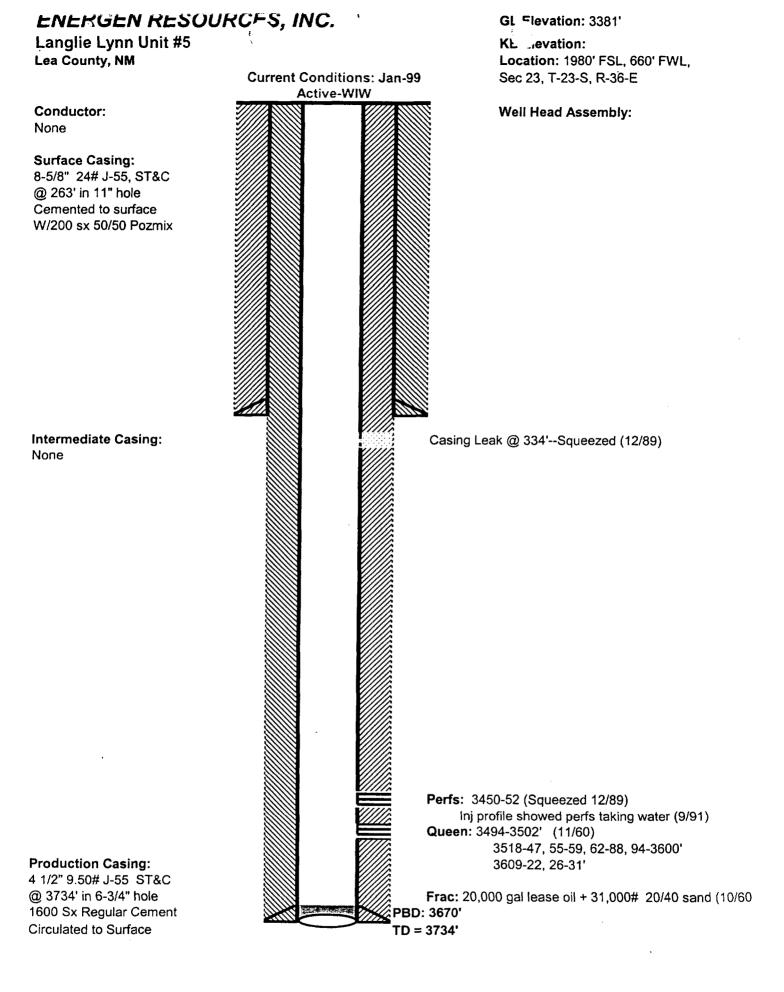
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Submit 3 Copies to Appropriate District Office	to Appropriate Energy, Minerals and Natural Resources Department						
DISTRICT I P.O. Box 1980, Hobbs, NM 88240 DISTRICT II	OIL CONSERVATIO P.O. Box 200 Santa Fe, New Mexico	88	WELL API NO. 30-025-09389				
P.O. Drawer DD, Artesia, NM 88210 DISTRICT III		67304-2008	5. Indicate Type of Lease STATE X FEE				
1000 Rio Brazos Rd., Aztec, NM 87410	6. State Oil & Gas Lease No. 23267						
SUNDRY NOTI (DO NOT USE THIS FORM FOR PRO DIFFERENT RESEF (FORM C	7. Lease Name or Unit Agreement Name						
1. Type of Well: OL GAS WELL WELL	OTHER Injec	tion Well	Langlie Lynn Queen Unit				
2. Name of Operator							
Energen Resources Corpo	pration		5				
3. Address of Operator			9. Pool name or Wildcat				
3300 N. A St, Bldg 4, 5	te 100, Midland, TX 7	9705	Langlie Mattix 7 RVRS/Queen/GB				
23	265	0 Feet From The East Line					
	Township 23S Ra 10. Elevation (Show whether	44 EV 1	MPM Lea County				
11. Check A	Appropriate Box to Indicate I	Nature of Notice, Re	eport, or Other Data				
			SEQUENT REPORT OF:				
	CHANGE PLANS	COMMENCE DRILLING					
PULL OR ALTER CASING		CASING TEST AND CE					
OTHER:		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. 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 stonature	e is true and complete to the best of my know	whedge and belief.	Prod. Tech.	DATE3/13/2000
TYPE OR PRINT NAME	(Denise Menoud			<u>телерноне но. 915-687-2</u> 0
(This space for State Use)				
APPROVED BY		mue		DATE
CONDITIONS OF APPROVAL, IF ANY:				



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LANGLIE-LYNN #5 LANGLIE-LYNN UNIT LANGLIE-MATTIX FIELD T23s – R36E

Lea County, New Mexico TWO MILE RADIUS

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J.T. Lynn
Irru(s) Swo Q3620 WHY Compart J.T. Lynn Lynn"
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3 West- I original Greenbrier I strevens Midland Oper. V.J. Sirgol ARCO Arch Petl Collins E, Wire 64 1011 Jointo V.J. Sirgol S(1) WT: 28-0 Sirgol Sirgol Citation OE,G Contri - 030556 (Wo) WT: 28-0 Sirgol Sirgol Citation OE,G Contri - 030556 (Wo) WT: 28-0 Sirgol Sirgol Citation OE,G Contri - 030556 (Wo) WT: 28-0 Sirgol Sirgol Citation OE,G Contri - - 030556 (Wo) WT: Sirgol Sirgol Citation OE,G Contri - - 030556 (Wo) Sirgol Sirgol Citation OE,G Contri - - - - - - Collars E, Ward Sirgol - - - - -
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LANGLIE-LYNN #5 LANGLIE-LYNN UNIT

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

JECTION WELL DATA SHEET

OPERATOR:	<u></u>	Energen R	esource	S	<u></u>					
WELL NAME & NUM	BER:	Langlie Ly	nn Quee	n Unit #	7			·····		
WELL LOCATION:	660' FSL,	1980' FWL				N	23	T-23-S	R-36-E	Lea
	(Footage Locali	on)			(Unit Letter)	(Section)	(Township)	(Range)	(County)
			WELL	CONST	RUCTIO	N DATA				
				Surface	e Casing					
Hole Size:	11"		-							
Casing Size:	8-5/8"		. .							
Cemented with:	275		sacks	(or)				_ft3		
Top of Cement:	Surface		- ,							
Method Determined:	Visual		-							
			P	roducti	ion Casiı	na				
Hole Size:	6-3/4"		<u>r</u>	<u>. oquell</u>	Si Vasil	<u>स</u>				
Casing Size:	4-1/2"		-							
Cemented with:	1778		- sacks	(or)				ft3		
Top of Cement:	Surface		-	(017				_""		
Method Determined:	Visual		-							
Total Depth:	3800'		-							
		· <u> · · · · · · · · · · · · · ·</u>	-							
			4	Injectio	<u>n Interva</u>	<u>n/</u>				
3510'	feet to	3682'			(Indi	cate whethe	er Open Hole	e or perforated)	perforated	
			Pro	posed 1	Tubing D)etail				
Tubing Size:	2-3/8" J-5	55								
Lining Material:	Internal F	lastic Coate	d (IPC)							
Type of Packer:	Baker "Lo	ok-Set"			······					
Packer Setting Depth:	± 3350'									
Other Type of Tubing	/Casing S	eal (if applic	able):		· · · · · · · · · · · · · · · · · · ·					
Addtitional Data										
1. Is this a new well		-	المحمد المحم	 י	N					
If no, for what purpos		-	iy ariiled.			il and ga				
 Name of the Inject Name of Field or I 							Grayburg Rivers-Ou	een-Graybu		
5. Name of Field of F	r oor (ir apt			Lan	gile Matt	x Seven	INIVEIS-QU	een-Graybu	<u></u>	
4. Has the well ever I.e. sacks of cement		-	other zo	one(s)?	List all s	uch perfo	prated inter	rvals and giv	ve plugging	detail,
5. Give the name an Jalmat Yates Gas Zo		• •	-	s underl	lying or o	verlying t	he propos	ed injection	zone in this	area:
Completion Record	!									
Perfs:		See attac	hed diag	ram						

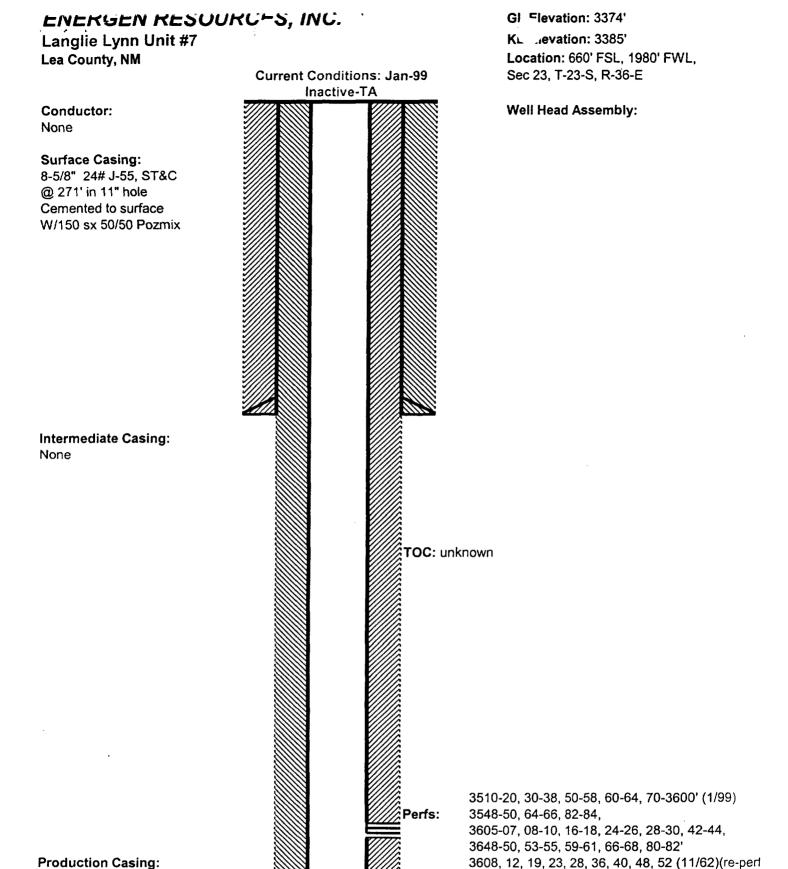
Acid, Shot, Fracture, Squeeze:

Submit 3 Copies	State of New Me Energy, Minerals and Natural Re					
to Appropriate District Office	Energy, Minerals and Natural Ro	esources Department	Revised 1-1-89			
DISTRICT I P.O. Box 1980, Hobbs, NM 88240	OIL CONSERVATIO P.O. Box 200	38	WELL API NO. 30-025-09391			
DISTRICT II P.O. Drawer DD, Artesia, NM 88210	Santa Fe, New Mexico	87504-2088	5. Indicate Type of Lease			
DISTRICT III			STATEX FEE			
1000 Rio Brazos Rd., Aztec, NM 87410		·	6. State Oil & Gas Lease No. 23267			
	CES AND REPORTS ON WEL					
	VOIR. USE "APPLICATION FOR PE		7. Lease Name or Unit Agreement Name			
(FORM C- 1. Type of Well:	101) FOR SUCH PROPOSALS.)		Langlie Lynn Queen Unit			
OL OL WELL OAS	other Conve	rt to WIW				
2. Name of Operator			8. Well No.			
Energen Resources Corp	poration		.7			
3. Address of Operator 3300 N A St Bldg /	Ste 100, Midland, TX	70705	9. Pool name or Wildcat			
4. Well Location	ste 100, Maland, IX	19105	Langlie Mattix 7 RVRS/Queen/GB			
Unit Letter : 600	Feet From The South	Line and1980	Feet From The West Line			
Section 23			NMPM Lea County			
	10. Elevation (Show whether	DF, KKB, RI, GR, e lc.)				
11. Check A	Appropriate Box to Indicate I	Nature of Notice, Re	eport, or Other Data			
NOTICE OF INT	ENTION TO:	SUB	SEQUENT REPORT OF:			
		REMEDIAL WORK				
	CHANGE PLANS	COMMENCE DRILLING	OPNS. DPLUG AND ABANDONMENT			
PULL OR ALTER CASING		CASING TEST AND CE				
OTHER: Convert To WIW		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.

	ormation above is true and complete to the best of m <u>XI. Menoul</u>	y knowledge und belief. Prod. Tech.	DATE
TYPE OR PRINT NAME	Denise Menoud		ТЕLЕРНОНЕ NO. 915-687- 20
(This space for State Use)			
APPROVED BY		TITLE	DATE
CONDITIONS OF APPROVAL	IF ANY:		



PBD: 3757'

TD = 3800'

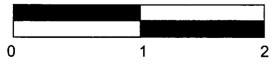
Frac: 20,000 gal lease oil + 28,000# sand (11/62)

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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f		rres Perrysal		Provide Thelma Cooper	Come Carton for the Alteria





LANGLIE-LYNN #7 LANGLIE-LYNN UNIT LANGLIE-MATTIX FIELD T23s – R36E

Lea County, New Mexico TWO MILE RADIUS

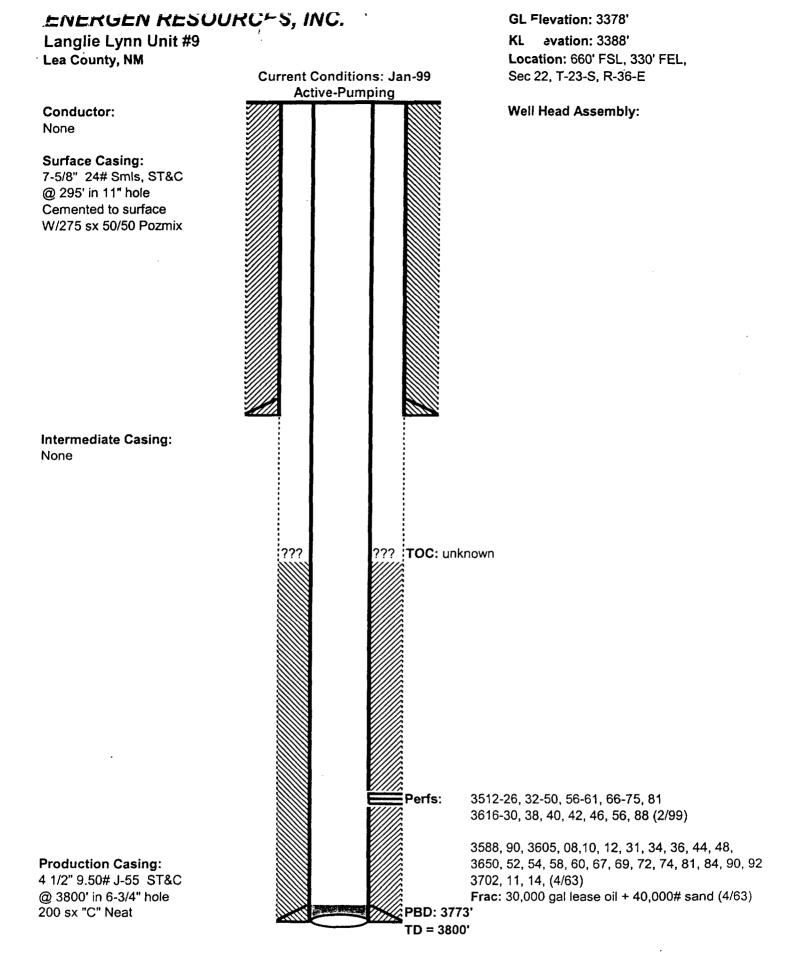
JECTION WELL DATA SHEET

OPERATOR:	. <u> </u>	Energen	Resources	5			<u></u>		
WELL NAME & NUM	BER:	Langlie Lynn Queen Unit #9							
WELL LOCATION:	660' FSL,	330' FEL			Р	22	T-23-S	R-36-E	Lea
•	(Foolage Locati	on)			(Unit Letter)	(Section)	(Township)	(Range)	(County)
			WELL C	CONSTRU	CTION DATA				
				Surface Ca	asing				
Hole Size:	9-7/8"			•					
Casing Size:	7-5/8"		-						
Cemented with:	275		_sacks	(or)	<u></u>		_ft3		
Top of Cement:	Surface								
Method Determined:	Visual								
			<u>P</u>	roduction	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:	3800'								
			-	nio dia min	- 4				
			<u>!</u>	njection Ir	iterval				
3512'	_ feet to	3714'	<u></u>	_ _	(Indicate whethe	er Open Hole	or perforated)	perforated	
			_	/					
· Tubing Size:	2-3/8" J-{	55	Proj	posed Tub	ing Detail				
Tubing Size: Lining Material:		Plastic Coal	 ed (IPC)						
Type of Packer:	Baker "Lo								
Packer Setting Depth:	± 3350'								
Other Type of Tubing	g/Casing S	eal (if appli	cable):						
Addtitional Data									· .
1. Is this a new well	drilled for i	njection?		· · · · · · · · · · · · · · · · · · ·	No				
If no, for what purpos		-	ally drilled	?	Oil and ga				
2. Name of the Inject			<u>-</u>				-Grayburg		
3. Name of Field or I	Pool (if app	olicable):	<u></u>		Langlie Ma	attix Seven	Rivers-Que	en-Graybu	g
4. Has the well ever				ne(s)? Lis	t all such perfo	prated inter	vals and giv	e plugging	detail,
I.e. sacks of cement	or plug(s)	used.	No		<u> </u>				
5. Give the name an Jalmat Yates Gas Zo				s underlying			ed injection	zone in this	area:
······	<u></u>	<u> </u>		<u></u>			<u></u>		
Completion Record	!								
Perfs:		See atta	ched diag	am					

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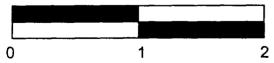
Acid, Shot, Fracture, Squeeze:

The target of New Mexico	
to Appropriate Ene. Minerals and Natural Resources Department District Office	Form C-103 Revised 1-1-89
DISTRICT I P.O. Box 1980, Hobbs, NM 88240 OIL CONSERVATION DIVISION P.O. Box 2088	WELL 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
DISTRICT III 1000 Rio Brazos Rd., Aziec, NM 87410	STATE X FEE 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 RESERVOR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)	7. Lease Name or Unit Agreement Name Langlie Lynn Queen Unit
1. Type of Well: OL GAS OTHER COnverty to WIW	
2. Name of Operator	8. Well No.
Energen Resources Corproation 3. Address of Operator	9 9. Pool name or Wildcat
3300 N. A St, Bldg 4, Ste 100, Midland, TX 79705	Langlie Mattix 7 RVRS/Queen/GB
4. Well Location	
Unit Letter _ P : _ 660 Feet From The _ South Line and _ 330	Feet From The <u>East</u> Line
Section 22 Township 23S Range 36E	MMPM Lea County
10. Elevation (Show whether DF, RKB, RT, GR, etc.) 3378' KB	
11. Check Appropriate Box to Indicate Nature of Notice, Re	port, or Other Data
NOTICE OF INTENTION TO: SUB	SEQUENT REPORT OF:
TEMPORARILY ABANDON CHANGE PLANS COMMENCE DRILLING	OPNS. DPLUG AND ABANDONMENT
PULL OR ALTER CASING	
OTHER: Convert to WIW	
 Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, include work) SEE RULE 1103. MIRU WSU, pull all producton equipment. TIH w/ RBP to 3,500 	
500 psi for 30 minutes. POH & re-perforate the 7 RVRS/Queen Run injection packer and tubing, perform casing integrity te	, acidize w/ 3,000 gals.
I hereby certify that the information above is true and complete to the best of my knowledge and belief.	
signature XI. Mensuo TILE Prodc. Tech	DATE 3/13/2000
TYPE OR PRINT NAME Denise Menoud	TELEPHONE NO.915-687-20
(This space for State Use)	
APTROVED BY TILE	DATE'
CONDITIONS OF APPROVAL, IF ANY:	



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†				Parming T	

MILES



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

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(Amerada) Raptor Resources	Raptor Res. A. 983	Raptor Resources
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	J.M. Morkins	
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		Raptor Res. ODMS (Gulf)
Chev. JE 21E Haptor Res. (Exxon)	Raptor Res.	
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F312 7 51 133000 "A.AC-1" D.Hartman TD 3300		Thando i Indo
H.Rasmussen King to 3855'		SI DE Wilberte OIL
	• ¹² ★ ⁰⁵	
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	UGLIE LYNN(QN)	
III Gruu Pet o		24 ·····
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(Flag Redfern)		
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1420 - T/A (Jynn JT Lynn T/A JA US Frig DT 103950	Q21 (Kerr-McGee) 1 ai	Nino O. Lunkford TA
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B- 3 Roca Prod. 27, 101250 (Clay Grp. Tr. etal) - 3-31-2001		le for flat C Burleson, etal
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Tenison OEG(100) 2		B B C Sonti
Cont'l DIR	TA (Sonecol >-	*2
1 (Clay) 30wn)	U.S (Senecol -	35 ³⁶ ³⁷ ³⁸
swo 3620 W.H.Combest	J.T. Lynn	Lynn"
a West - Company		
Broak, Stevens Midland Oper. 1011 (V.J. Sirgo) 0/48459 4 to 3700 5 (1)		Collins E, White E4
0'AU 4 50 4 to 3700' (1)	WIT PB-Q XFINO	
Chotion ULO Cont'l Y 030556 (WO)	Manda S.I.	LMT*
(c) ros: roar srevers conti - roar	4	68 (67 (μ) (69 μ) 70
		67 (U) 69 95 70
	Jna B Compest for see	(Forcenergy 707) Tin
	35 Western	Pergona (101 Fexaco Parmers
		Biggin Maralo D' W NO wi 33
4 pcol Kenwood 1 3 *** WN ***		Minralo "D" (100 wi 33
	<u>, (Р/В)</u>	T2-LM 8-1167 Gruy Pet. 8 -shell string
	• ^{1·θ}	Gruy Act. 22 TA THE "Holt" frigo-3t. 62 Gruy Act. 44 "Holt" worde Sy 103 104
ten" the the "Dovis" to base yry (5) e-1.97 ARCO of an	Solar H	frigo-St. 102 Gruy Pet.
A PPUS A ALAS	Stevens"	WILLIA Store



LANGLIE-LYNN #9 LANGLIE-LYNN UNIT

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

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JECTION WELL DATA SHEET

OPERATOR:	Energen R	Resources						<u> </u>
WELL NAME & NUM	BER: Langlie Ly	nn 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)
				TION DATA				
Hole Size:	11"	2	Surface Cas	<u>sing</u>				
Casing Size:	7-5/8"	-						
Cemented with:	200	- sacks	(or)			ft3		
Top of Cement:	Surface	-	(0.)					
Method Determined:	Visual	-						
		-						
		<u>Pr</u>	oduction C	asing				
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'	_						
		_						
	4 4 (0)	<u>s</u>	lim Hole Ca	asing				
Hole Size:	4-1/2"	_						
Casing Size: Cemented with:	<u>2-7/8"</u> 545	- sacks	(or)			ft3		
Top of Cement:	Surface	- 30013	(01)			_113		
Method Determined:	Visual	-						
		-						
		<u>h</u>	njection Int	erval				
3446'	feet to3682'			(Indicate whethe	er Open Hole	e or perforated)	perforated	
)							
((.	Prop	osed Tubii	ng Detail				
Tubing Size:	2-3/8" J-55	_						
Lining Material:	Internal Plastic Coate	ed (IPC)						
Type of Packer:	Baker "Lok-Set"							
Packer Setting Depth:	± 3350'	_						
Other Type of Tubing	g/Casing Seal (if applic	able):				<u> </u>		
	•							
Addtitional Data								
1. Is this a new well	-			No	<u>. </u>	<u></u>		
	se was the well original	lly drilled?	ليبي بين المسلمة المسلمة	Oil and gas		······		 ,
2. Name of the Inject				ivers-Queen-				
3. Name of Field or	Pool (ir applicable):	<u></u>	Langlie	Mattix Seven I	Rivers-Qu	leen-Graybu	rg	<u></u>
4. Has the well ever	been perforated in any	y other zor	ne(s)? List	all such perfo	rated inte	rvals and giv	e plugging (detail.
I.e. sacks of cement		No		·				
	nd depths of any oil or g one, Top @ approx. 30		underlying	or overlying th	he propos	ed injection	zone in this	area:
Completion Record	!							
Perfs:	See attac	hed diagra	am					
Acid. Shot. Fracture.		Y		<u> </u>				

Submit 3 Colles 19 Appropriate District Office	State of Ne Ener Minerals and				r.			Form C-1 March 25, 19	-
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	OIL CONSERVA 2040 Sout Santa Fe,	ATIOI th Pac	N DIVI heco		WELL AI 5. Indicat STA 6. State C	30-025- e Type of ATE	20052 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		EPEN (OR PLUG		7. Lease Langlie		Jnit Agreem en Unit	ent Name:	
2. Name of Operator					8. Well N	o.			Τ
Energen Resources Corporation	l				12				
3. Address of Operator					9. Pool na	ime or Wi	ldcat		
3300 N. "A" St., Bldg 4, Ste.	<u>100, Midland, TX 797</u>	05			Langlie I	<u>Mattix 7</u>	RVRS/Quee	n/GB	
4. Well Location Unit Letter D:	660 feet from the	Nor	th	line and	660	feet from	n the We	stlin	ıe
Section 23	Township 23	3S	Range	36E	NMPM		County	Lea	
	10. Elevation (Show wh	hether	DR, RKI	3, RT, GR, et	c.)				
11. Check A	Appropriate Box to Inc	licate	Nature	of Notice,	Report, o	r Other I	Data		
NOTICE OF INT					-		ORT OF:		
PERFORM REMEDIAL WORK	PLUG AND ABANDON		REMED	IAL WORK			ALTERING		
TEMPORARILY ABANDON	CHANGE PLANS		сомм	ENCE DRILLI	NG OPNS.		PLUG ANI ABANDON		
PULL OR ALTER CASING	MULTIPLE		CASING	G TEST AND IT JOB					
OTHER: Convert to Injection			OTHER	:				·····	
12. Describe Proposed or Complete									

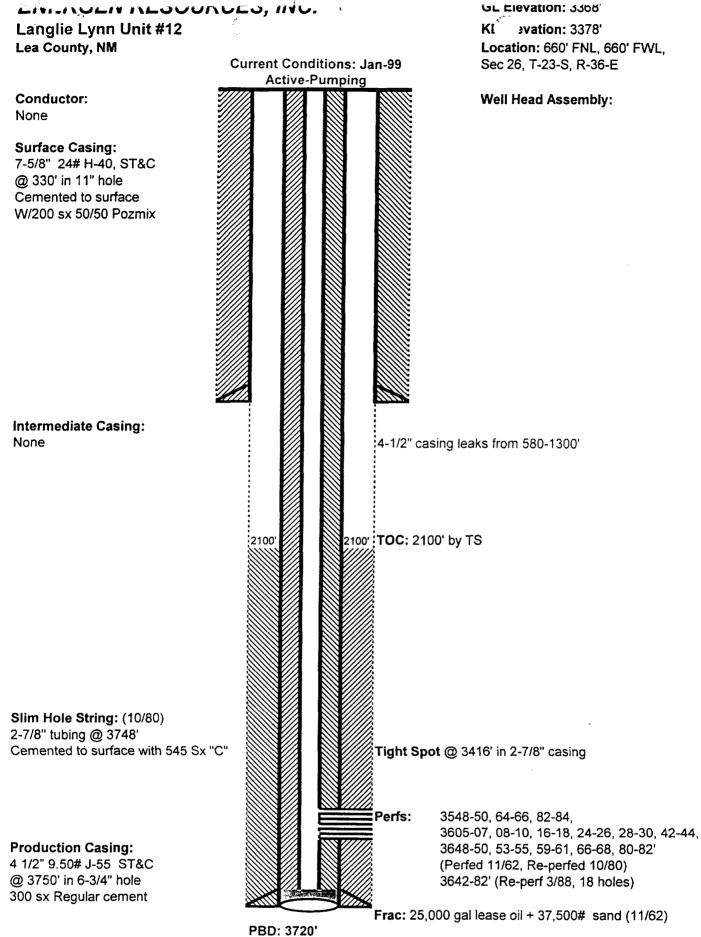
of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompilation.

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 Menoul	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 Conditions of approval, if any:	TITLE	DATE	





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Contro d' 3	16 33 Raptor Res. 3	19 Roothor Res : A Runtor Res ; 19 A. Ac. 17 (IM) (27) A . Ac. 1	*: Raptor Res ## Aracit 62 ## Q24 / A Time St	3 20000 (10) 3 4 4 7 8 5 10 3 4 4 7 8 5 10 3 4 4 7 8 5 10 1 C30556 55 7	Accaling Sun Cigy Spp Ir 1
t 13 Mil t 8 Conaça Danchiger	A 303 111"A-AC-1"	(1993) A. AC 125 (1991) (2011) A. AC 1. 3 (2013) (2014)	4 343 4 363 4 4 1 4 1 4 1 4 1 4 1 4 1 4 1 4 1 4 1	"WHIT CICAISE	the said of the total
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Danciyer		01 01 TIA	0 */8 */H"	Cont I and Connen Cont all arms	Presenter Contraction I.
<i>us</i> * ²	C. Ja Beamwarm	(me) Stare	State Lands	Los Stevens	Byno Selsman C, J W WILL (S)
(Loneco etel) Roptor Res # 0.303574 1 # 10.7 A.17 Lonenco 9.1608 WX861 AT Rich	+3 8 165 #5 13 ¥ sight Ar	And	Rapher Res A 383	Raptor Resources (5 + 66 0 10 Heren 9/101 (Prio) 4 983	030356 01.4
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MILES



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

Contac (R rs ources	Raptor Res	A. 003	Protos Pacaur	
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Gulf.st. Cookie Dreyfus * 7/4 Nati Gast Duol	l #⁵ ⊉',	• 12 34	n ≭ °5	S) A Wilbert Duol Gruy Pet 24 - Jane	- 0il - to3800'
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16 8 A # 113 57 A 50 37 A 50		UT. Sinclai		100 × 51 + 50	17 11 - XX8781
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(WSW) 5 TOTO Conoco 1970 030139 030139 A A A A			1 4 2 ⁴	3 wy Lonkford Texaco	Bros V2
		***	¹⁶	A R Co	Autral
TA 20 Conoco Lynn J T/A 3-A	(Flag · Redlern) T Lynn Skeils	B'z Ir-McGee	15 CONOCO 21644		SA
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Tenisun DEG(NO)	● ∃·∃I·2001 ☆4	622 G	A.	8" WI # 8 25 05	32 T/A
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5 1 (Clay), 3(wa) swo 3620	W.H.Combest	U.S J.T. Lynn	- -	Lynn" U.S.	
1011 Stoario (V.	land Oper. . Sirgo) 3700' 5 (1)	ARCO Arch		Collins E, WLIE 64	тижез
Citation ULG Cont'l 03	0556 (W0) •34 (Conoco)	L'Her	s.i.	*LMT*	
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ten" • Dovis" to base yry (5) 10-1-32	- C their	Stevene"		Anoralo Si \$103	• <u>1</u> 04



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

JECTION WELL DATA SHEET

OPERATOR:	•	Energen F	Resource	S					
WELL NAME & NUM	BER:	Langlie Ly	nn Quee	n Unit #14					
WELL LOCATION:		1980' FEL			<u> </u>	26	T-23-S	R-36-E	Lea
	(Footage Locatio	on)			(Unit Letter)	(Section)	(Township)	(Range)	(County)
			WELL	CONSTRUC	TION DATA				
				<u>Surface Ca</u>	sing				
Hole Size:	11"		_						
Casing Size:	7-5/8"						~~		
Cemented with:	200		sacks	(or)			_ft3		
Top of Cement:	Surface		_ ·						
Method Determined:	Visual		-						
			ŀ	Production	Casing				
Hole Size:	6-3/4"								
Casing Size:	4-1/2"		-						
Cemented with:	300		- sacks	(or)			ft3		
Top of Cement:	2600'		-		<u></u>		-		
Method Determined:	TS		_						
Total Depth:	3720'		-						
	<u></u>		_						
				Injection In	<u>terval</u>				
3408'	feet to	3586'			(Indicate wheth	er Open Hole	e or perforated)	perforated	
	\sim)		Pro	posed Tub	ina Detail				
Tubing Size:	2-3/8" J-5	5	<u></u>		19 00.00				
Lining Material:		astic Coate	d (IPC)						
Type of Packer:	Baker "Lo								
Packer Setting Depth:	3393'								
Other Type of Tubing		al (if applica	ible):	<u> </u>					
Addtitional Data									
1. Is this a new well	drilled for in	iection?			No				
If no, for what purpos		-	v drilled?		Oil and gas	 3			. <u></u>
2. Name of the Inject					Seven Rive		Gravburo		
3. Name of Field or I		-						en-Grayburg	
4. Has the well ever	heen nerfor	ated in any	other zor	no(e)? Listo	Il such nerfore	ted interval	le and cive :	dugging det	ail
1.e. sacks of cement			No No				is and give p		aıı,
	·	<u></u>	<u>,</u>	<u></u>					
5. Give the name an Jalmat Yates Gas Zo		-		underlying c	or overlying the	proposed	injection zo	ne in this are	ea:
Completion Record									
	•	_							
Perfs:		See attac	hed diag	ram					

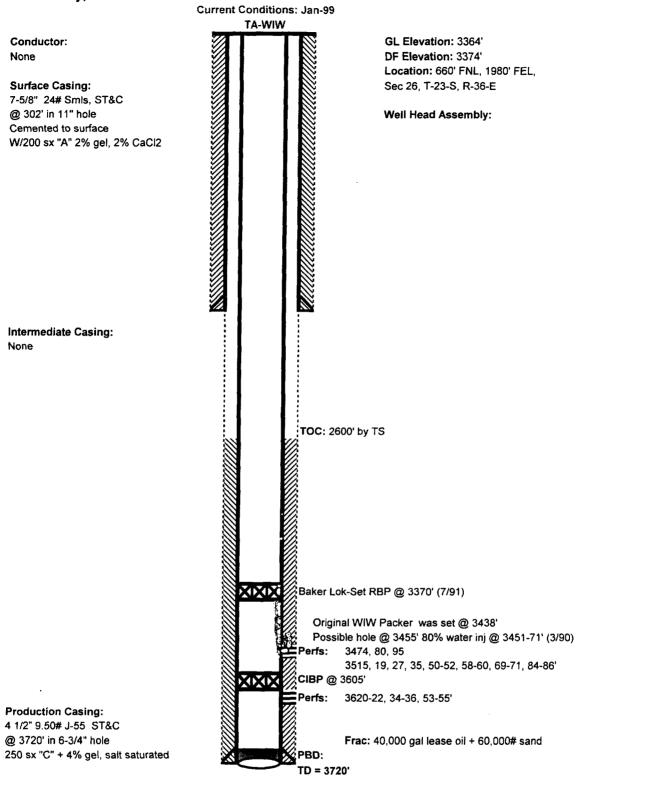
Acid, Shot, Fracture, Squeeze:

Sut mit 3 Copies To Appropriate Distric		e of New Mexico		<i>.</i>		Form C-	103
Office District I		rals and Natural Re	esources	(WELL AP	<u></u>	Revised March 25, 1	999
1625 N. French Dr., Hobbs, NM 87240 District II	OIL CONSERVATION DIVISION				1 NO. <u>30-025-201</u>	.91	
811 South First, Artesia, NM 87210 District III					5. Indicate Type of Lease		
1000 Rio Brazos Rd., Aztec, NM 87410 District IV	Sar	Santa Fe, NM 87505			TE X	FEE	
2040 South Pacheco, Santa Fe, NM 875	05			6. State O 23267	il & Gas Lea	ise No.	
SUNDRY NO (DO NOT USE THIS FORM FOR PR DIFFERENT RESERVOIR. USE "AP PROPOSALS.) 1. Type of Well: Oil Well Gas Well [2. Name of Operator		R TO DEEPEN OR PLU	IG BACK TO A		ynn Queen	Agreement Name:	
Energen Resources Corporat	ion			14	J.		
3. Address of Operator	<u></u>	<u></u>			me or Wildc	at ·	
3300 N. "A" St., Bldg 4, S	te. 100, Midland,	TX 79705		Langlie M	<u>attix 7 R</u>	/RS/Queen/GB	
4. Well Location							
Unit Letter <u>B</u> :	feet from	m the North	line and	1980	feet from the	e <u>East</u> li	ne
Section 26	Townsh			NMPM	C	ounty Lea	
	Section (S	Show whether DR, R	KB, RT, GR, el	tc.)			
11. Chec	k Appropriate Box	to Indicate _l Natu	re of Notice,	Report, or	Other Da	ta	
NOTICE OF IN	NTENTION TO:		SUB	SEQUEN	T REPOP	RT OF:	
PERFORM REMEDIAL WORK [PLUG AND ABA		EDIAL WORK			LTERING CASING	
TEMPORARILY ABANDON		s 🗖 сом	MENCE DRILL	ING OPNS.		LUG AND BANDONMENT	
PULL OR ALTER CASING			NG TEST AND ENT JOB			BANDONMENT	
OTHER:		🔲 отн	ER:				
12. Describe Proposed or Comp of starting any proposed wor or recompilation.	-	· •	-	-			
03/07/00: MIRUPU. Tag Pressure test failed. 03/10/00-03/18/00: RIH cmt, tag cmt @ 708'. S cubic feet). Pressure 03/19/00-03/22/00: Spo (slurry-19 cubic feet), 3,408'-3,416', 3,424'-3 3/23/00-3/24/00: Acid: packer, SN, & 2 3/8" th held. Waiting on reins	Csg leak at 703'- to 1233', spot 2 s Shot 4 sqz holes at test failed. DO o ot 2 sx sand on top , WOC. Spot 14 sx (3,428', & 3,454'-3 ize w/3000 barrels og. Set inj pkr at	989' FS. sacks sand out EX t 703' FS over a cmt, circ, fish o p of RBP. Acidis Cl C cmt (slurry ,462', total 80 1 15% HCL. Swab. t 3,393'. PBTD @	OT. Tag CR @ 1' interval. for RBP. POC ze w/2 barrel - 19 cubic fe moles. RIH w/ 2 3/8	949', PC . Pump 218 DH w/RBP. ls 15% HCL. set). DO c 3" x 4 1/2"	to 948', sx Cl C c Set RBP @ Spot 14 s mt. Tag t "Lok-Set"	spot 25 sx Cl C mt (slurry-290 1010'. sx Cl C cmt bg @ 840'. Per ' injection	
I hereby certify that the information ab		•	-				
SIGNATURE	<u>Baquel</u>	TITLE_Pro	duction Cler	<u>k</u>	DAT	Е <u>4/10/200</u> 0	<u>. </u>
Type or print name Judy Bagwel	1				Telephone N	No. (915)687-115	5
(This space for State use)							
		TITLE					

APPROVED BY_____ Conditions of approval, if any:

ENERGEN RESULICES, INC.

Langlie Lynn Unit #14 Lea County, NM



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	Raptor Res. 34	A Roptor Res : A Rostor Res 9 (1) Roptor Res : A Rostor Res 9 (1) A Active (res) (1) A Active 9 (1) A Active (res) (1) A Active 9	e: Raptor Res st 'AAC-I-st wo 29.4 times st	in Consco Mai Argent at Al	Racafrod Sun ICigurpire
e is Mirie	A 783 (/***A.AC-1** 	55 0 36 -541 A W # 3, A 203	A 743 - 1/A		Sun O' in the start of the star
8 9	9 (Amece //2)	Cherren 10	(#/B) ====================================	Ten the Sup of the Alter of the Sup of the S	Conoca by Hart C 200 and and a second
Ber** eldi \$ 10 1134	# '0 # '0	118 Balling & Arran 10	Arch Pet.	sen guyt. 10 - To Duncan Roca Frod. Jelmoi base e 3 - Clay Grp. To chai	Conoco "Sterens" 030556 Cant "6 12" 18
Dancigen U.S. ****	1231	Q ³ ,		Contl ami Contra (Contra and Contl ami Contra and Cont	1'ma.
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LANGLIE-LYNN #14

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

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LANGLIE-LYNN #14

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

JECTION WELL DATA SHEET

OPERATOR: Energen Resources									
WELL NAME & NUMBER: Langlie Lynn Queen Unit #16						·····			
WELL LOCATION:	1980' FNL	, 1980' FWL	-		F	26	T-23-S	R-36-E	Lea
•	(Footage Locatio	n)			(Unit Letter)	(Section)	(Township)	(Range)	(Counly)
			WELL (CONSTRUC	TION DATA				
				<u>Surface Ca</u>	<u>sinq</u>				
Hole Size:	11"								
Casing Size:	7-5/8"			()			40		
Cemented with:	250 Surface		sacks	(or)	·		_ft3		
Top of Cement: Method Determined:	Visual		,						
Method Determined.	Visual								
			Þ	roduction (Casina				
Hole Size:	6-3/4"				- aviii M				
Casing Size:	4-1/2"	<u> </u>							
Cemented with:	200		sacks	(or)			ft3		
Top of Cement:	2450'	······································	•				-		
Method Determined:	TS								
Total Depth:	3700'	<u> </u>							
				luiantinu tu	4				
			4	Injection In	tervai				
3468'	feet to	3653'			(Indicate whethe	er Open Hole	e or perforated)	perforated	
	r 1		Pro	posed Tubi	ng Detail				
Tubing Size:	2-3/8" -5	5							
Lining Material:	Internal P	lastic Coate	d (IPC)						
Type of Packer:	Baker "Lo	k-Set"							
Packer Setting Depth:	± 3350'		• • • •						
Other Type of Tubing)/Casing Se	eal (if applica	able):	<u> </u>					
Addtitional Data									
1. Is this a new well		•			No				
If no, for what purpos			y drilled'		Oil and ga				
2. Name of the Inject					Rivers-Queen-			· · · · · · · · · · · · · · · · · · ·	
3. 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, I.e. sacks of cement or plug(s) used. 									
							<u> </u>		
 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	l								
Perfs:		See attach	ed diag	ram					

-

Acid, Shot, Fracture, Squeeze:

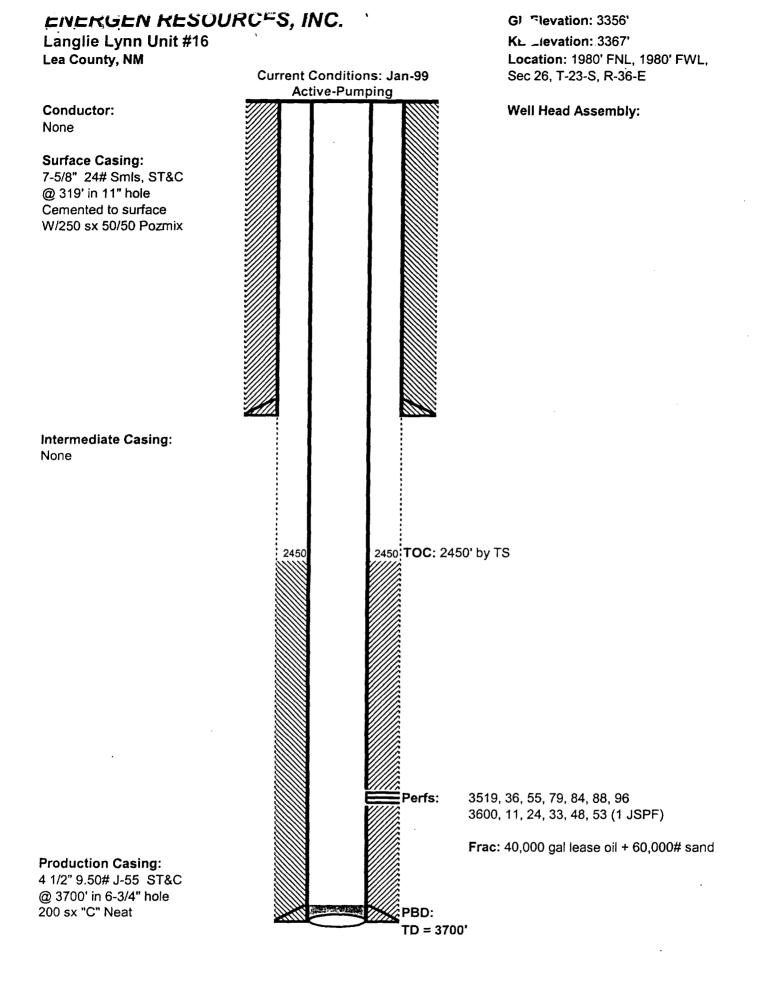
			C	~				
. 1	Submit 3 Copies to Appropriate District Office	State of New M Energy, Minerals and Natural	(Form C-103 Revised 1-1-89				
	DISTRICT I P.O. Box 1980, Hobbs, NM 88240	OIL CONSERVATI P.O. Box 20	088	WELL API NO. 30-025-21229				
	DISTRICT II P.O. Drawer DD, Artesia, NM 88210	Santa Fe, New Mexico	o 87504-2088	5. Indicate Type of Lease STATE X FEE				
	DISTRICT III 1000 Rio Brazos Rd., Aztec, NM 87410			6. State Oil & Gas Lease No. 23267				
ĺ		CES AND REPORTS ON WE						
		POSALS TO DRILL OR TO DEEPE VOIR. USE "APPLICATION FOR P 101) FOR SUCH PROPOSALS.)	N OR PLUG BACK TO A	7. Lease Name or Unit Agreement Name				
$\left \right $	1. Type of Well:	IUI) FOR SUCH PROPOSALS.)		Langlie Lynn Queen Unit				
		OTHER CON	vert to WIW					
ł	2. Name of Operator			8. Well No.				
	Energen Resources Corp	oration		16				
T	3. Address of Operator		· · · · · · · · · · · · · · · · · · ·	9. Pool name or Wildcat				
L	3300 N. A St, Bldg 4,	Ste 100, Midland, TX	79705	anglie Mattix 7 RVRS/Queen/GB				
	4. Well Location Unit Letter :198	0_ Feet From TheNorth	Line and1980	Feet From The West Lize				
	Section 26			NMPM Lea County				
		10. Elevation (Show whether	r DF, RKB, RT, GR, etc.)					
	11. Check A	ppropriate Box to Indicate	Nature of Notice, Re	eport, or Other Data				
	NOTICE OF INT		SUB	SEQUENT REPORT OF:				
Ρ			REMEDIAL WORK					
Т		CHANGE PLANS	COMMENCE DRILLING					
Ρ	ULL OR ALTER CASING		CASING TEST AND CE					
0	THER: Convert to WIW	[]	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.

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MIRU WSU, pull all production equipment. TIH w/ RBP to 3,500', presure test casing to 500 psi for 30 minutes. POH & re-perforate the 7 RVRS/Queen @3,468'-72', @ 3,478'-86', and @ 3,502'-08'. Acidize w/ 3,000 gals. Run injection packer and tubing, perform casing integrity test and begin water injection.

I hereby certify that the information signature	aion above is true and complete to the best of my Mensued	knowledge and belief.	Tech.	DATE
TYPE OR PRINT NAME	Denise Menoud		 	TELEPHONE NO. 915-687-200
(This space for State Use)				
APPROVED BY		TITLE	 	DATE
CONDITIONS OF APPROVAL, IF /	NY:			



			· · · · ·		
Corroco d' #3 Otseta #3	36 33 Raptor Res. 3.44	A Roptor Res	*: Roptor Res 81 A.Ac.i-42 9.00 029	Sinens Contco etal	Received Sun ricing Strong Sun Sun di King and Trill
Concero Daneniger	HS"ALAC-1"	55 Q 36 55 Q 36 55 Q 36 56 D 1455 (376)	• 94 21 + 58 (#16) apres	1	Antonio in product product in the second
8 8e-17 4144 \$ 70 3134	10 1 10 10 1 10 10 1 10 10 10 10 10 10 10 10 10 10 10 10 10 10 1		3ª Arch Pet	Jelma Surcen Roca Frad. Jelma Suice as (Clay Gro. Trictal	Conoco "Stevens" 030556 Cont "B-12" 18
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R.G. Barton,dr. 7 20:49 Gradina Toria Dati 6 20	Prise 50 00713 4 50 Kukui (nc. 1/2 Whitten Tennes 4 5 16 97 1, 1995 0	• • • • • • • • • • • • • • • • • • •	Gruy Pet. Te Teaco	1 25-2 am (U.L. Crump)	Ows for a second
	Westerry (S)	7 1000 3100 31	Conner Seil	(PE) (PE) (Prap. 01 (PE) (PE) (Prap. 01 (PE) (PE) (Prap. 01)	J 7.79 L Christmes Burlington
(E) Wes Perry (E)	TL Whitten etws	"E, Cools, etal Hasts 18 "E'imn Wes Perry(S)	Yorka University Jro Env I toopar SI. 9:16 Constant Si too 9:16 Constant Si too 9:16 Constant Si too Si too Si too Si	that Theims Cropper	Grand Constant and

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LANGLIE-LYNN #16

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

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Koptor Res.	≜ 33	¢3,	מ پند	¢ 28	3				. 21
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LANGLIE-LYNN #16

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

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JECTION WELL DATA SHEET

OPERATOR:		Energen R	esources	;				<u></u>	
WELL NAME & NUM	BER:	Langlie Ly	nn Queer	n Unit #18	<u></u>				·
WELL LOCATION:	1980' FSL	, 660' FWL			<u> </u>	26	T-23-S	R-36-E	Lea
	(Footage Locatio	n)			(Unit Letter)	(Section)	(Township)	(Range)	(County)
			<u>WELL (</u>	CONSTRU	ICTION DATA				
			:	<u>Surface (</u>	Casing				
Hole Size:	9-7/8"		-						
Casing Size:	7-5/8"						<i>4</i> 0		
Cemented with:	98 Surface		sacks	(or)			_ft3		
Top of Cement: Method Determined:	Visual								
Method Determined.	VISUAI		-						
			Pi	roduction	Casing				
Hole Size:	6-3/4"		نىپ ن						
Casing Size:	4-1/2"		-						
Cemented with:	100		sacks	(or)			_ft3		
Top of Cement:	2400'		-				-		
Method Determined:	TS		_						
Total Depth:	3710'		-						
			,	njection	Interval				
			<u>1</u>	injeotion i	<u>intervu</u>				
3540'	feet to	3681'			(Indicate whethe	er Open Hole	e or perforated)	perforated	
•	_		Prop	oosed Tu	bing Detail				
Tubing Size:	2-3/8" J-5	5			<u></u>				
Lining Material:	Internal P	lastic Coate	ed (IPC)						
Type of Packer:	Baker "Lo	ok-Set"							
Packer Setting Depth:	± 3350'		-						
Other Type of Tubing	g/Casing Se	eal (if applic	able):	···					
Addtitional Data									
1. Is this a new well	drilled for ir	njection?			No				
If no, for what purpos		•	ly drilled?	?	Oil and ga	s	· · · · · · · · · · · · · · · · · · ·		
2. Name of the Inject	tion Forma	tion:		Seven	Rivers-Queen-	Grayburg			
3. Name of Field or l	Pool (if app	licable):		Langli	e Mattix Seven	Rivers-Qu	een-Graybu	rg	
4. Has the well ever	been perfo	rated in any	other zo	ne(s)? Li	st all such perfo	orated inter	rvals and oiv	e plugging	detail.
I.e. sacks of cement	•	•	No				-		
								·	
5. Give the name an	d depths o	f any oil or g	jas zones	s underlyir	ng or overlying t	he propos	ed injection	zone in this	area:
Jaimat Yates Gas Zo	one, Top @	approx. 30	40'				<u> </u>		
				······					
Completion Record	!								
Perfs:		See attac	hed diag	ram					

Acid, Shot, Fracture, Squeeze:

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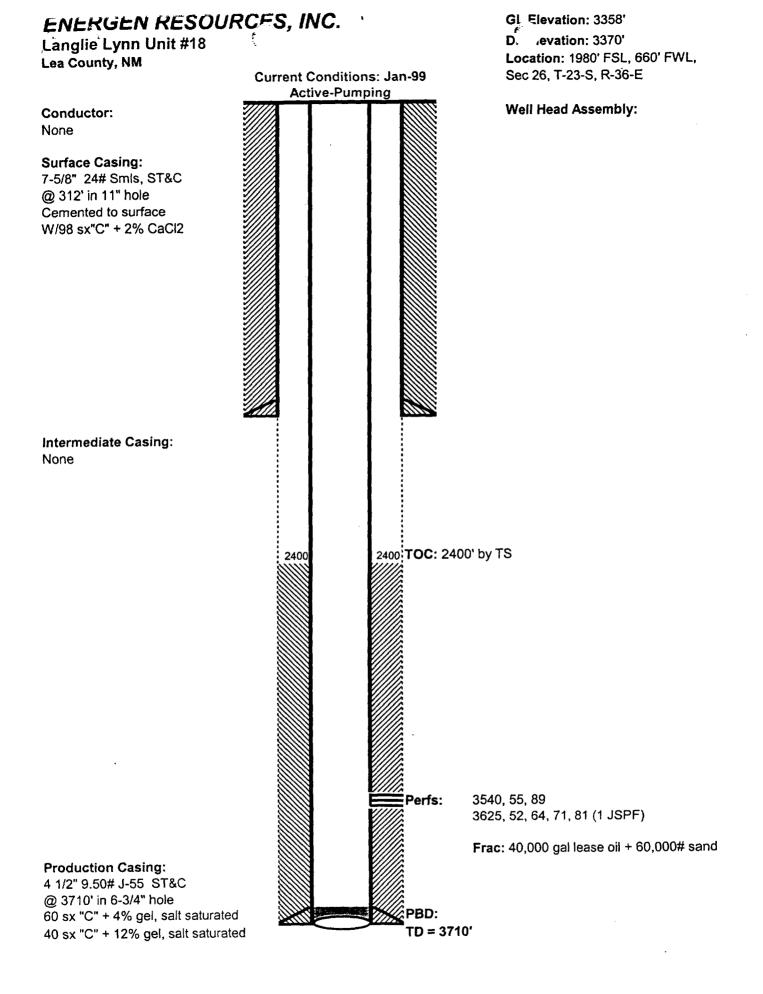
		P
to Appropriate District Office	Energy Minerals and Natural Resources Departme	ant Revised 1-1-89
DÍSTRICTI	OIL CONSERVATION DIVISION	N
P.O. Box 1980, Hobbs, NM 88240	2040 Pacheco St.	TELL API NU.
DISTRICT I	Santa Fe, NM 87505	
P.O. Drawer DD, Artesia, NM 88210		5. Indicate Type of Lease
DISTRICT III 1000 Rio Brizos Rd Aziec NM 87410	••	
	· · · · · · · · · · · · · · · · · · ·	23267
SUNDRY NOT	ICES AND REPORTS ON WELLS	
		A 7. Lease Name or Unit Agreement Name
1. Type of Well:		Langlie Lynn Queen Unit
	oner Convert to WIW	
2. Name of Operator		8. Well No.
	rporation	18
3. Address of Operator		9. Pool name or Wildcat
	III OIL CONSERVATION DIVISION 2040 Pacheco St. 30-025-21458 IIII Santa Fe, NM 87505 IIII Santa Fe, NM 87505 Sinacos Rd, Azaco, NM 87410 State Fe, NM 87505 SUNDRY NOTICES AND REPORTS ON WELLS State Col & Gat Lesse No. DIFFERENT RESERVOR. USE 'APPLICATION FOR PERMIT' (FORM C-101) FOR SUCH PROPOSALS.) Of Well: OTHER Convert to WIW IIII OTHER Convert to WIW IIIII OTHER Convert to WIW IIIII OTHER Convert to WIW IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	
4. Well Location		
Unit Letter :	0 Feet From The Line and	560 Feet From The West Lin
	- 235 - 36E	ter ter
	Towning Runge	County
II. Check	Appropriate Box to Indicate Nature of Notice	e. Report. or Other Data
	•• •	
PULL OR ALTER CASING	CASING TEST AN	
OTHER:Convert to WIW	OTHER:	[
	1	

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.

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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 inf	ormation above is true and complete to the best of my kno	windge and belief.	
SIONATURE	S. Menoud	Prod. Tech.	DATE3/13/2000
TYPE OR PRINT NAME	Denise Menoud		TELEPHONE NO. 915-687-207
(This space for State Use)			
APPROVED BY		mu	DATE
CONDITIONS OF APPROVAL	C P ANY:		



	· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·	· ~		E CONTRACTOR COMPANY
Contoco d' Ozsesa d' 3 Contoco d'	Raptor Res. Jul	19 Roptor Res : 1 Rover Res 9	1: Roptor Res. 1 5: A-AC-IT-62 9: A-AC-IT-62 9: A 763 A 763	Sterrs C30356 P	Rocaling Sun Cicing Sun Sun Oil Sunarte Trall
4 1 Cenete Deneniger Deneniger	H14"A-AC-P"	55 0 96 (Mcs 0 *	(P/D) (mg) *(mg)	Han Taco The Street	1" " O H3+1
B Berrt elds ¢ 10 134			Arch FeF.	ten duyt, 2 te	Conoco Stripes
Dancigan U S **	19 1831 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0 ³ , 1 ³ , 0 ¹⁴		Conti emil Conce	1997
14 onses etels (Rotor Res.e U303574 3 ***********************************	Permetil Ener. and a (3 merada)	A Starter A Sources	(132 Raptor Res A 193) (127 - 127 - 127 - 127 (14. AC. (14-8) - 10	Ractor Resources co	Part of the second second second
The states Art Dich Fra Art Dich 10 STO 22 C Convey Second Art A	Devid Pet stall	Prez 57 Towall 14 90	₩ ¹ 0 20 • ⁷¹ • ⁷¹ · · ³	1 203 1 A AC-11 4 AC-11 40 TA CT 40 10 A AC-11 40 TA CT 40 10 A AC-11 40 TA CT 40 10 A AC-11 10 A AC-11 1	The Topological Superior States
Chi McCastaria	Literini Toroni Sing Same	Raptor Report Res	Raptor Reg. 4 Coroci, mi y 1 w m 4 Cassie y 1 w m 4 Cassie	3 The Handrik	6
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(Evens (Guu) 0301:06 Ar . 0 3332 B 20 WK. (Sun) 5-Al	Rootor Res	JAT Raptor Pes (Exten)	Raptor Res.	Raptor CES. COMS (Guild) A-AC-1 4 98 101 de nyun A-AC-1 411 10 ANO 110 Marinyun	1144
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(AB (c)) (AB (c)) (C) (C) (C) (C) (C) (C) (C) (•1 •178 •14	Vares 4000	23- 14CC + 34497638	1. 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
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€" Wes Perry (s)	TL IV Since the	t coors, eras ⇒ t terns = t terns Wes Ferry(S)	JFG Ent. Cooper. St second State Magazeria	indo Thel Cooper	

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MILES



LANGLIE-LYNN #18

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

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	Raptor Resources	102 0123 117 75 7678) 02 0123 117 76 7678) 03 0123 107 107 107 107 107 107 107 107 107 107	Raptor Resources 106
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17 24 2 C		J.M.Markins	* * * * * *
le Promesso	Wall H. J T. Dinwiddie (3)	J.T. Dipwiddie (S)	Store
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Gulf.St. Cookie	"A-AC-1" O.Hortman T0 3300 Ho 3055' 1 The 10 1 10 3055'		
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● ¹¹² ₽/₿	Energen Wo W B-167 2	Albert A A A A A A A A A A A A A A A A A A A	₩ ¹⁰⁷ ₩ ⁵¹ (₩/8) ₩ ¹⁹⁷⁸ 31 ₩ 178
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3 Brook.		ARCO ArchPetl	Collins EWLite 64
	Greenbrier Midland Oper. 1 Srevens (V.J. Sirgo) 5 (1) 048 4 50 4 to 3700 5 (1) Cont'l	TWT. PO-D AFINO	
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- ADCOE Kenned		030556 De X5	Maralo D' 1 100 wi 233
4 pcof. Kenwood Harris E wulton 4 2		(P/8)	12LM BEINEY Martineren 8
ten" Hitting	Res Guibrie	● ¹⁻⁸	Gruy Pet. 22 TA Frigo-St. 62 Gruy Pet. 24 "Holt" Horade St 103 104
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LANGLIE-LYNN #18 LANGLIE-LYNN UNIT

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

	Notes									Drill ac injector			Nehrace + In hinned		Convert to injector											`	Continue injection		Return to injection			Retrim to injection									Return to injection			Convert to injector	Replace #17 producer		Convert to injector	Convert to producer	ı	Replace #19 producer		Convert to injector		Convert to producer		
	1							0 0	310 W. Wall. Midland TX 79701		0 Six Desta Drive Suite 3000 Midland TY 70705					. E		j (, i		0.0	Р.О.	Q. Q.	<u>о</u>	Р. О	P.O.		0	0	3	0 P.O. Box 1710. Hobbs NM 88240		2	3 P.O. Box 1710, Hobbs NM 88240	I.	1 P.O. Box 1710. Hohbs NM 88240		Ł		-	·	•	9 10 Desta Drive Suite 100W, Midland TX 79705-4500	•		4	5	•	9 10 Desta Drive Suite 100W, Midland TX 79705-4500			0 10 Deeta Drive Suite 100W Midland TV 20206 1500				6 P.O. Box 10139, Midland TX 79702
Data Oritod		S/ALVCN/JN	10/27/1960	07/22/1960	12/24/1959	06/15/1950	02/29/1960	09/07/1960		Drilling	10/11/1930	Drilling	06/12/1963	00/12/1003	201121/20	1001/21/20	081 (00/71	RCR1/77/11	RCR1/07/00	RCRI/CI/II	03/20/1949	03/07/1960	02/01/1949	06/28/1964	08/12/1949	02/01/1962	11/17/1960	11/03/1960	10/10/1960	01/30/1963	03/24/1990	11/25/1962	12/21/1962	12/30/1963	07/26/1964	05/08/1981	01/16/1985	05/28/1996	03/31/1948	09/25/1974	08/11/1963	04/23/1963	04/03/1949	06/10/1963	Го Г	11/16/1964	10/06/1965	03/06/1965	01/31/1929	LOC.	2001/01/20	05/01/1940	05/09/1948	07/16/1963	03/29/1949	02/27/1986
Ecote			1980' FNL, 1980' FWL	1980' FNL, 1980' FEL	2310' FNL, 330' FEL	1980' FNL, 660' FEL	1980' FSL, 660' FEL	· ·		1863' FSL, 1950' FEL	330' FSL, 2310' FWL	672' FSL. 1797' FEL	640' FSL, 1650' FEL	660' ESI 330' EEI	RAN' FOL BRN' FEL	660' ENI 2240' EEI	200 1111, 2010 FEL	SEDIENI TERI TERI	1000 FINL, /00 FVL		10201 FNL, 10501 FWL	1960 FNL, 2310 FEL	1650' FNL, 1650' FEL	2080' FNL, 660' FEL	1650' FSL, 990' FEL	1980' FSL, 660' FEL	1980' FSL, 1980' FEL	1650' FSL, 2310' FWL	1980' FSL, 660' FWL			660' FSL, 1980' FWL	660' FSL, 1980' FEL	-		-								-	•	1980' FNL, 660' FWL	1980' FNL, 1980' FWL	1980' FNL, 1980' FEL	2310' FSL, 2310' FEL	1032 FSL, 1980 FWL	1000 FOL, 1300 FVVL	990' FSL, 990' FWI	990' FNL, 990' FEL	660' FNL, 660' FEL	1650' FSL, 990' FEL	660' FSL, 660' FEL
Rande	1200				R36E	R36E	R36E	R36E	R36E	R36E	R36E	R36E	R36E	R36F	RAFE													R36E	R36E	R36E	R36E	R36E	R36E				1	R36E						R36E	K36E	R36E	R36E	R36E		1027		R36E	R36E	R36E	R36E	K36E
Two	1220	0001	1235	1235	T23S	T23S	T23S	T23S	T23S	T23S	T23S	T23S	T23S	T23S	T23S	7235	1230	1000	1000	1220	1000	0001	1235	1235	T23S	T23S	T23S	T23S	T23S	T23S	T23S	T23S	T23S	T23S	T23S	T23S	T23S	T23S	T23S	T23S	T23S	T23S	T23S	1235	SEZ I	T23S	1235	1235	1220	1220	1230	T23S	T23S	T23S	T23S	1235
ew) LOCATION. Letter Sec.	ŝ	38	3	27	52	3	22	22	22	22	22	22	22	22	5	2	15	3 5	3 8	3 8	3 5	38	33	S) (23	23	23	33	23	23	23	23	23	23	24	25	25	26	26	26	28	28	28	82	8	28	8	88	8	5 8	24	8	27	27	25	7
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.S (1/2 Mile Area of Review) Lot Leterse & WELL	New Mexico "AA" State #8			New Mexico AA State #5	New Mexico AA State #3	New Mexico "AA" State #1	Langlie Lynn Queen Unit #2	Langlie Lynn Queen Unit #1	El Paso State #1		-	Langlie Lynn Queen Unit #20	Langlie Lynn Queen Unit #10	Langlie Lynn Queen Unit #9	Shell State #3	State A A/C-1 #98	State A A/C-1 #73	State A A/C-1 #65	State A A/C-1 #72	State A A/C-1 #27	State & A/C_1 #84				Sinclair A State #1	Sinclair A State #5	Langlie Lynn Queen Unit #5	Langlie Lynn Queen Unit #4	Langlie Lynn Queen Unit #3	Langlie Lynn Queen Unit #8	Sinclair A State #10	Langlie Lynn Queen Unit #7	Langlie Lynn Queen Unit #6	Sinclair A State #9	State A A/C-1 #107	Lankford #3	Lankford #4	Lynn B-1 #17	Lynn B-1 #2	Lynn B-1 #16	Langlie Lynn Queen Unit #14	Langlie Lynn Queen Unit #13	Lynn 13-1 #3	Langlie Lynn Queen Unit #12	Langle Lyin Queen Unit #21			Langle Lyin Queen Unit#15	Lynn B-1 #1 andia ynn Ousen hit #33	Landie I vnn Oleen (Init #19	Landie Lynn Queen Unit #18	Lynn B-1 #4	Lynn B-1 #7	Langlie Lynn Queen Unit #11	George Etz #4 George Etz #6	
LANGLIE LYNN TABLE OF WELLS	Grace Petroleum	Dantor Descursos Inc				Поуле наптап	Energen Kesources	Energen Kesources					Energen Resources	Energen Resources	Gruy Petroleum Mgmt	Raptor Resources Inc.	Raptor Resources Inc.	Raptor Resources Inc		-			Partor Descurses Inc.	Auplor resources inc.			Energen Kesources	Energen Resources	Energen Resources	Energen Resources	Arco Permian	Energen Resources	Energen Resources	Arco Permian	Kaptor Resources Inc.	Arco Permian	Rhombus Operating	Conoco	Conoco	Conece	Energen Resources	Energen Kesources	Conoco				Chargen Baselinge	Concerts Concerts	Enemen Recuirces	Conoco		-	Conoco	Energen Resources	HCW Exploration Roca Petroleum	
LIE LY Type	P&A	C S C) و		Tak T	ļ				P&A	080	თ	08G	080	080	OSG	Ogo	080	0.00		200	ט פינ	ງ	Ē	980 . 0		9 2 2 2 0	ບີ	Ē	5 2 2 2 2	A P	2	P&A	080	ט פ	5	٥.	, E	າ ກິດ	ງ ເ					<u>د</u> د	, <u>s</u>	P&A	080	9	ບ່		1 0 1 0 1 0 1 0	2000
LANG	3300'	3645	2775		0000	0010		2100		3843	5095		2800	3800'	3426'	3595	ř.	'9°``	3587	3670	3585	3148'	3660	0000	0000	20275	134	/3/51	3/91	1118	3550'	3800	87/6	00/0	31/6	3750	0086 3800	3270	57		07/5	20010	2303 1750	200	272E	3700	2675'	3614		/3725	3710'	3455'	3480'	1 3730	3600	2000

OPERATOR:		Energen R	lesource	S				.=	·
WELL NAME & NUM	BER:	Langlie Ly	nn Quee	n Unit #1					
WELL LOCATION:	1980' FSL	, 1980' FEL	•		J	22	T-23-S	R-36-E	Lea
	(Footage Locatio				(Unit Letter)	(Section)	(Township)	(Range)	(County)
			WELL	CONSTRU	ICTION DATA				
				<u>Surface C</u>	asing				
Hole Size:	11"		-						
Casing Size:	8-5/8"		-	(61 0		
Cemented with:	280 Surface		sacks	(or)	• <u></u>		_ft3		
Top of Cement: Method Determined:	Visual		-						
Welhou Determined.	<u>visual</u>		-						
			P	roduction	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 I	nterval				
P&A	feet to				(Indicate whethe	er Open Hol	e or perforated)	1	
		<u> </u>			(maiorie miori	or open nor			
				Terbiner	Dedell				
Tubing Size:				<u>Tubing</u>	Detall				
Tubing Size: Lining Material:									
Type of Packer:									
Packer Setting Depth:									
Other Type of Tubing	g/Casing Se	eal (if applic	able):						
Addtitional Data									
1. Is this a new well	drilled for in	njection?			No				
If no, for what purpos	se was the	well original	lly drilled	?	Oil and ga	s	······································		
2. Name of the Inject					n/a		<u> </u>	·	
3. Name of Field or	Pool (if app	licable):	<u> </u>		Langlie Ma	attix Sever	n Rivers-Que	een-Graybu	rg
4. Has the well ever	•		y other zo	one(s)? Li	st all such perfo	prated inte	rvals and giv	e plugging	detail,
I.e. sacks of cement Original perfs in inter			;'				<u> </u>		*
Originally PA'd 11-2-							_ <u></u>		
and the second diversity of th	etainer @ 3	550'							
	Squeezeo	d w/ 50 sx							
		cmt on top		er (TOC 3	425')				
and the second	x cmt @ 13								
	75'. Pump	148 sx cmt	to surfac	e.					
Re-entry PA'd 1-28-0 See attac	bu ched sheet f	for plugaing	details				<u> </u>	<u> </u>	
<u></u>	·								<u> </u>
5. Give the name an Jalmat Yates Gas Zo				s undenyir	ig or overlying i	ine propos	sed injection	zone in this	area:
								· · · · · · · · · · · · · · · · · · ·	
Completion Record	Į						X		
Perfs:		See attac	hed diag	ram					
			¥						~

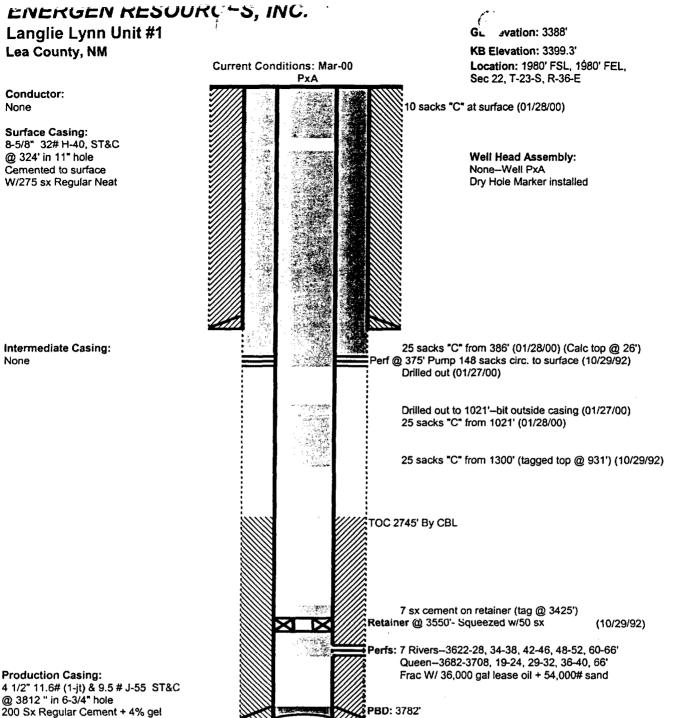
Acid, Shot, Fracture, Squeeze:

والتواجيد المكشي	Energy Minerals and Natural Re	econos Decoment	Form C-103
to Appropriate District Office		Sources tychardisent i	Revised 1-1-89
DISTRICT	OIL CONSERVATIO	N DIVISION	WELL API NO.
P.O. Box 1980, Hobbs, NM \$\$240	2040 Pacheco		30-025-09380
DISTRICT II P.O. Drawer DD, Artesia, NM 88210	Santa Fe, M	M 87505	5. Indicate Type of Longe
DISTRICT III			STATE KX FEE
1000 Rio Brazos Rd., Aztoc, NM 87410			6. State Oil & Gas Lease No. 23267
	CES AND REPORTS ON WEL		
(DO NOT USE THIS FORM FOR PRO DIFFERENT RESER	DPOSALS TO DRILL OR TO DEEPEN NVOR. USE "APPLICATION FOR PEI		7. Lease Name or Unit Agreement Name
(FORM C	101) FOR SUCH PROPOSALS.)		Langlie Lynn Queen Unit
1. Type of Well:			
2. Name of Operator	OTHER Plugge	ed	
Energen Resources Corp	oration		8. Well Na. 1
3. Address of Operator			9. Pool name or Wildcat
3300 N. A St, Bldg 4,	Ste 100, Midland, TX	79705	Langlie Mattix 7 RVS Queen
4. Well Location	·		
Unit Letter : 198	0 Feet From The South	Line and198	0 Feet From The East Line
		26 5	_
Section 22	Township 23-S Re	mge 36-E	NMPM Lea County
	3388' GL		
11. Check	Appropriate Box to Indicate 1	Nature of Notice, Re	eport, or Other Data
NOTICE OF INT	••••		SEQUENT REPORT OF:
		REMEDIAL WORK	
	CHANGE PLANS		
PULL OR ALTER CASING		CASING TEST AND CE	MENT JOB
OTHER:		OTHER:	
		1	

12. Describe Proposed or Completed Operations (Clearly state all periment details, and give periment dates, including estimated 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 casin 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 hereby certify that the information above is true and complete to the best of my a	mowledge and belief.	
SIONATURE Menacul	Production Tech.	DATE2/15/00
TYTE OF FRINT NAME Denise Menoud		TELEPHONE NO. (915) 687-20
(This space for State Use)		
CONDITIONS OF APPROVAL, IF ANY:	TITLE	DATE



TD = 3812'

4 1/2" 11.6# (1-jt) & 9.5 # J-55 ST&C @ 3812 " in 6-3/4" hole

OPERATOR:	<u></u>	Energen F	Resource	es					
WELL NAME & NUM	BER:	Langlie Ly	nn Que	en Unit #2					
WELL LOCATION:	1980' FSL	., 660' FEL		<u></u>	<u> </u>	22	T-23-S	R-36-E	Lea
	(Foolage Localic	n)			(Unit Letter)	(Section)	(Township)	(Range)	(County)
			WELL	CONSTRU	CTION DATA				
				<u>Surface C</u>	asing				
Hole Size:	11"		_						
Casing Size:	8-5/8" @ 3	320'	_						
Cemented with:	275		sacks	(or)			_ft3		
Top of Cement:	Surface		-						
Method Determined:	Visual		_						
			1	Production	<u>Casing</u>				
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 I	tonial				
				Injection Ir	iterval				
3510'	feet to	3732'			(Indicate whethe	er Open Hole	or perforated)	perforated	
				<u>Tubing D</u>	etail				
Tubing Size:	2-3/8" @								
Lining Material:									
Type of Packer:	None				·····				
Packer Setting Depth:				······					
Other Type of Tubing	g/Casing Se	eal (if applic	able):						
Addtitional Data									
1 le this a new wall	drillod for i	nightion?			No				
1. Is this a new well If no, for what purpos		-			No Oil and ga	<u> </u>			
2. Name of the Inject		-	iny united	J:	n/a	3	······································		
3. Name of Field or						attix Seven	Rivers-Que	een-Graybu	
		-		<u></u>					
4. Has the well ever			y other z	zone(s)? Lis		orated inter	vals and giv	ve plugging	detail,
I.e. sacks of cement	or plug(s) i	used.	<u></u>		No				
			<u> </u>						
5. Give the name an		-	-	es underlyin	g or overlying t	he propos	ed injection	zone in this	area:
Jaimat Yates Gas Zo	one, Top @	approx. 30)40'						
	<u> </u>				<u> </u>				
Completion Record	1								
Defe		0 e = -11.	والمحط						
Perfs:		See attac	mea ala	gram					

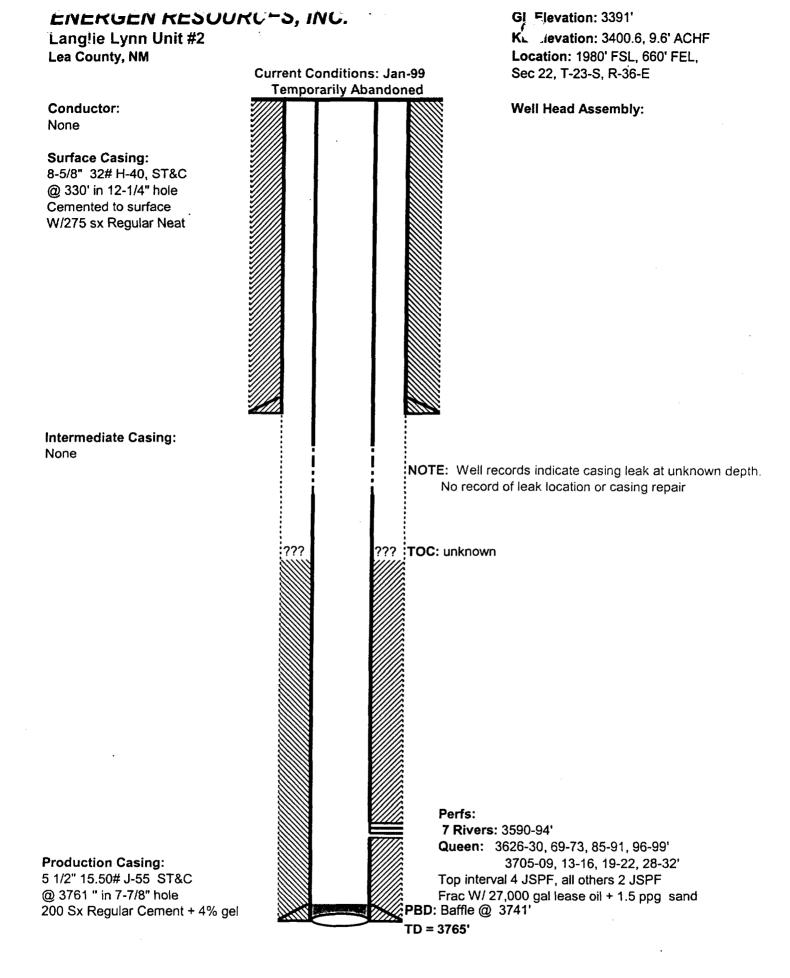
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Acid, Shot, Fracture, Squeeze:

See attached diagram

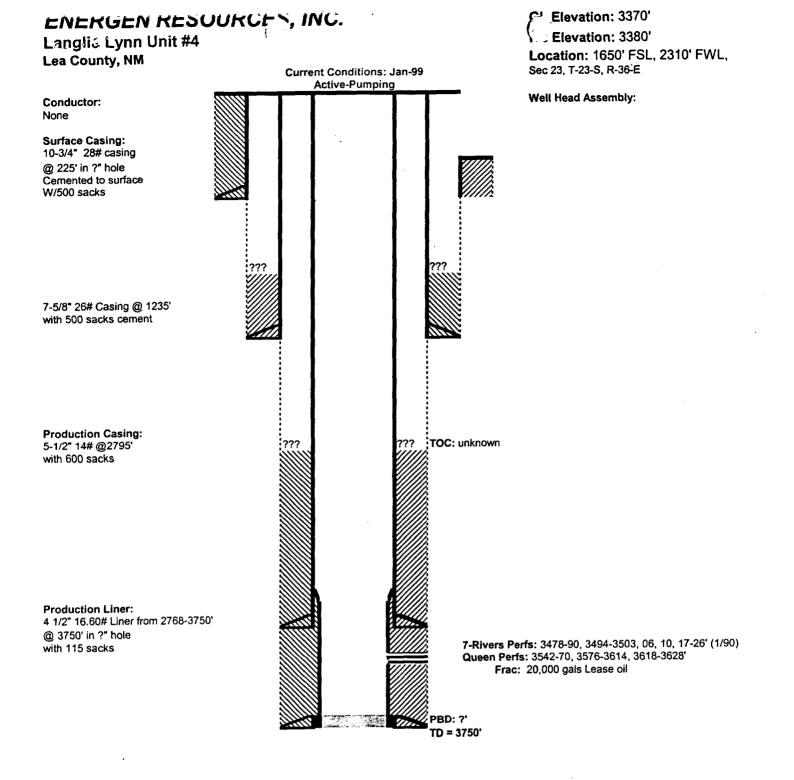
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District III 2040 South Facheco ST 1000 Rio Brazos Rd., Aztec, NM 87410 Santa Fe, NM 87505 ST District IV 2040 South Pacheco, Santa Fe, NM 87505 6. State 0 SUNDRY NOTICES AND REPORTS ON WELLS 7. Lease	100. 30-025-09379 te Type of Lease ATE X FEE
811 South First, Artesia, NM 8/210 2040 South Pacheco 5. Indica District III 2040 South Pacheco ST 1000 Rio Brazos Rd., Aztec, NM 87410 Santa Fe, NM 87505 ST District IV 2040 South Pacheco, Santa Fe, NM 87505 6. State C SUNDRY NOTICES AND REPORTS ON WELLS 7. Lease	
District IV 2040 South Pacheco, Santa Fe, NM 87505 6. State (SUNDRY NOTICES AND REPORTS ON WELLS 7. Lease	
2040 South Pacheco, Santa Fe, NM 87505 6. State 0 SUNDRY NOTICES AND REPORTS ON WELLS 7. Lease	
SUNDRY NOTICES AND REPORTS ON WELLS 7. Lease	Dil & Gas Lease No.
(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	Name or Unit Agreement Name:
PROPOSALS.) Langlie 1. Type of Well: Oil Well X Gas Well Other	Lynn Queen Unit
2. Name of Operator 8. Well N	lo.
Energen Resources Corporation23. Address of Operator9. Pool n	ame or Wildcat
	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, etc.)	
11. Check Appropriate Box to Indicate Nature of Notice, Report, c	or Other Data
NOTICE OF INTENTION TO: SUBSEQUEI	NT REPORT OF:
TEMPORARILY ABANDON CHANGE PLANS COMMENCE DRILLING OPNS.	
PULL OR ALTER CASING CASING TEST AND COMPLETION	
12. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinen of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore d or recompilation.	
02/02/00: MIRUPU to repair csg leak between 570'-602' FS. Shot 4 sqz holes @ 2 FS. Set cmt ret @ 1,521'. sqz'd the 5 1/2" x 8 5/8" annulus in 2 stages: 400 & 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 as follo 2702'(slurry-16.2 cu.ft.), 6 sx @ 1622'. & 12 sx @ 608'. D.O. cmt. tested sqz. 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	· .
hereby certify that the information above is true and complete to the best of my knowledge and belief.	
SIGNATURE_ XI- Menous TITLE Production Tech	DATE3/15/2000
Type or print name Denise Menoud	Telephone No. (915)687-2074
(This space for State use)	
ORIGINAL SIGNED BY CHRIS WILLIAMS APPROVED BYDISTRICT I SUPERVISCHTLE Conditions of approval, if any:	DATE MAR 2 3 2000



(Foodage Location) (Unit Letter) (Section) (Township) (Range) (Countly) WELL CONSTRUCTION DATA Surface Casing Hole Size: 15" Casing Size: 10-3/4" @ 750' Cemented with: 500 Sacks (or)f13 Top of Cement: Surface Method Determined: Visual Intermediate Casing Hole Size: 10" Casing Size: 7-5/8" @ 1235' Cemented with: 500 Sacks (or)	OPERATOR:	Energen R	esources	;					
Procession (Min Latter) Galaxy Procession Marget County WELL CONSTRUCTION DATA Surface Casing Commod with: 500 sacks (or)	WELL NAME & NUM	BER: Langlie Ly	nn Queer	Unit #4					<u></u>
WELL CONSTRUCTION DATA Sufface Casing Comented with: 500 Comented with: 500 State (or) Informediate Casing Method Determined: States Mole Size: 10° Casing Size: 7-58° @ 1235 Cannented with: 500 States (or) Mole Size: 10° Casing Size: 5-344 Consentined with: 500 State: 5-412° @ 2900° Casing Size: 5-112° @ 2900° Difaction Interval Total Depth: Top of Coment: Unknown Method Determined	WELL LOCATION:	1650' FSL, 2310' FW	L		к	23	T-23-S	R-36-E	Lea
Surface Casing Hole Size: 10:34* @ 750'' Cemented with: 500 Sourface		(Foolage Location)			(Unit Letter)	(Section)	(Township)	(Range)	(County)
Surface Casing Hole Size: 10:34* @ 750'' Cemented with: 500 Sourface									
Hole Size: 10-344@ 7.50" Casing Size: 10-344@ 7.50" Top of Cernent: Surface Method Determined: Intermediate Casing Hole Size: 10" Casing Size: 7-568"@ 1235" Cemented with: 500 Stop of Cernent: Unknown Mote Size: 500 Top of Cernent: Unknown Mote Size: 6-344" Casing Size: 5-1/2"@ 3750" Casing Size: 5-1/2"@ 2800" Casing Size: 5-1/2"@ 3750" Casing Size: 5-1/2"@ 2800" Casing Size: 5-1/2"@ 3750" Top of Carenet: Unknown Top o			WELL C	ONSTRUC	CTION DATA				
Casing Size: 10:34f @ 750 Cemented with: 500 State State Method Determined: Strate Hole Size: 10 Casing Size: 7.56f @ 1235 Camented with: 500 State State Production Casing ft3 Top of Cement: Unknown Method Determined: 115 Casing Size: 5-112 ⁻ @ 2900 ⁻ Casing Size: 5-112 ⁻ @ 2900 ⁻ Camented with: 500 Size: 5-12 ⁻ @ 3750 ⁻ Casing Size: 5-112 ⁻ @ 2900 ⁻ Camented with: 105 Size: 5-12 ⁻ @ 3750 ⁻ Camented with: 105 Size: 5-12 ⁻ @ 3750 ⁻ Casing Size: 5-12 ⁻ @ 3750 ⁻ Casing Size: 10 ⁻ Monon Tobil Depth: 3751 ⁻ OWDD Infection Interval Interval 3440 feet to 3628 (Indicate whether Open Hole or perforated) perforated Tubing Materiat: None Productional Deta 10 ⁻ </td <td></td> <td></td> <td>ź</td> <td><u>Surface Ca</u></td> <td>nsing</td> <td></td> <td></td> <td></td> <td></td>			ź	<u>Surface Ca</u>	nsing				
Cemented with: 500			-						
Top of Cament: Surface Method Determined: Visual Hole Size: 10" Casing Size: 7:56" (2135') Camented with: 500 Sard Corrent: Unknown Method Determined: Production Casing Production Casing Production Casing Hole Size: 6:3/4" Gasing Size: 4:1(2" (2) 3750') Casing Size: 5:1/2" (2) 2900' Size: 5:1/2" (2) 2900' Comment: Unknown Method Determined: Top of Cement: Top of Cement: Unknown Method Determined: Top of Cement: Top of Cement: Unknown Method Determined: Top of Cement: Tubing Materiat: Top of Cement: Typ of Packer: None Packer Setting Dapth:	-								
Intermediate Casing Intermediate Casing Hole Size: 10" Casing Size: 7.798" @ 1235" Cemented with: 500 sacks (or) ft3 Top of Cement: Unknown ft3 ft3 Method Determined: 413 ft3 Casing Size: 6-3/4" Hole Size: 4-3/4" Casing Size: 6-1/2" @ 2900' sacks Casing Size: 4-1/2" @ 3750' Casing Size: 6-1/2" @ 2900' sacks Casing Size: 4-3/4" Casing Size: 6-1/2" @ 2900' sacks Casing Size: 4-3/4" Top of Cement: Unknown Method Determined: Top of Cement: Unknown Method Determined: 3751' OWDD Total Depth: 3751' OWDD Intertrue Intertrue 115 sacks Method Packer: None Packer Setting Depth: Production Interval Tubing Material: Type of Packer: No Tobing Vasing Seal (If applicable): Additional Data None Packer Setting Depth: OII and gas 1. Is this a new		A DESCRIPTION OF THE OWNER OWNE	sacks	(or)			_ft3		
Intermediate Casing Hole Size: 10" Casing Size: 7.58" @ 1235" Cemented with: 500 sacks (or) Top of Cement: Unknown Method Determined: — Hole Size: 6-3/4" Hole Size: 6-3/4" Hole Size: 6-3/4" Casing Size: 5-1/2" @ 2500" Top of Cement: Unknown Method Determined: Total Depth: Total Depth: 3751' OWDD Infection Interval Indicate whether Open Hole or perforated State: 2-3/8" Uning Materia: Type of Packer: None Indicate whether Open Hole or perforated) Packer Setting Depth: Oll and gas Other Type of Tubing/Casing Seal (if applicable): Iangle Mattix Seven Rivers-Queen-Grayburg 1. Is this a new well drilled for injection? No	•		-						
Hole Size: 10" Casing Size: 1.5/8" @ 1235' Commented with: 500 Size: 5.3/4" Hole Size: 6.3/4" Casing Size: 1.1/2" @ 3750' Casended with: 600 Size: 5.3/4" Hole Size: 6.3/4" Casing Size: 1.1/2" @ 3750' Casing Size: 5.1/2" @ 3750' Casented with: 600 Size: 5.3/4" Hole Size: 5.3/4" Casing Size: 5.3/4" Total Depth: 3751' OWDD Size: 5.3/8" Unknown Method Determined: Tubing Detail 1. Inigetion Interval 10* Size: 2.3/8" (Indicate whether Open Hole or perforated Tubing Material: Trotal Depth: Type of Packer: None Packer Seting Depth: Commotion:	Method Determined:	Visual	-						
Hole Size: 10" Casing Size: 1.5/8" @ 1235' Commented with: 500 Size: 5.3/4" Hole Size: 6.3/4" Hole Size: 6.3/4" Casing Size: 5.1/2" @ 3750' Casing Size: 5.3/4" Hole Size: 115 Size: 5.3/4" Hole Determined: Unknown Method Determined: Top of Cement: Unknown Method Determined: Total Depth: 3751' OWDD Injection Interval Injection Interval Ster: None Packer Setting Depth:									
Casing Size: 7.5/8* @ 1235' Cemented with: 500 sacks (or) [13 Production Casing Method Determined: [15 Froduction Casing [12] Hole Size: 6-3/4* Hole Size: 4-3/4* Casing Size: 5-1/2* @ 2900' Casing Size: 4-1/2* @ 3750' Cemented with: 115 sacks Cemented Sacks Cemented Tubing Casing Sack (If applicable): Cemented Cemented Cement Cemented Cement		4.01	<u>Int</u>	<u>ermediate</u>	Casing				
Cemented with: 500 sacks (or) ft3 Top of Cement: Unknown ft3 Method Determined:			-						
Top of Cement: Unknown Method Determined:	Casing Size:		-				_		
Method Determined: Production Casing Production Liner Hole Size: 6-3/4" Hole Size: 4-3/4" Casing Size: 5-1/2" @ 2900' Casing Size: 4-1/2" @ 3750' Cemented with: 115 sacks Cemented with: 115 Top of Cement: Unknown 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 Type of Packer: None Packer Setting Depth: Oil and gas 2. 3/8" Saing Seal (if applicable): Additional Data 1. Is this a new well drilled for injection? No 1. Is this a new well drilled for injection? No 1. Is this a new 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. Giv	Cemented with:	500	sacks	(or)			_ft3		
Production Casing Production Liner Hole Size: 6-3/4" Hole Size: 4-3/4" Casing Size: 5-1/2" @ 2900' Casing Size: 4-3/4" Casing Size: 6-1/2" @ 3750' Casing Size: 4-3/4" Casing Size: 6-1/2" @ 3750' Casing Size: 4-3/4" Casing Size: 6-1/2" @ 3750' Sacks Cemented with: 115 sacks Top of Cement: Unknown Method Determined: Total Depth: 3751' OWDD Interval 3440' feet to 3628' (Indicate whether Open Hole or perforated) perforated Interval Tubing Size: 2-3/8" Indicate whether Open Hole or perforated) perforated Interval Tubing Size: 2-3/8" Indicate whether Open Hole or perforated) perforated Interval Tubing Material: Type of Packer: None None None Interval Additional Data Interval Oil and gas Interval Interval Interval Additional Data In originally drilled? Oil and gas Interval Indig Matirix Seven Rivers-Queen-Grayburg In stike a new well drilled for injection? No	Top of Cement:	Unknown	-						
Hole Size: 6-3/4" Hole Size: 4-3/4" Casing Size: 5-1/2" @ 2900' casing Size: 4-3/4" Cemented with: 600 sacks Cemented with: 115 sacks Top of Cement: Unknown Top of Cement: Unknown sacks Cemented with: 115 sacks Method Determined: Top of Cement: Unknown Method Determined: method Determined: method 3440' feet to 3628' (Indicate whether Open Hole or perforated) perforated Tubing Detail 754 'Pop OF Acker: None Packer Setting Depth: 754' 'Pop OF Acker: Type of Packer: None Packer Setting Depth: Other Type of Tubing/Casing Seal (if applicable): Method gas Additional Data 1. Is this a new well drilled for injection? No No No 1. Is this a new well drilled for injection? No I. Langlie Mattix Seven Rivers-Queen-Grayburg A. Has the well even 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.	Method Determined:		-						
Hole Size: 6-3/4" Hole Size: 4-3/4" Casing Size: 5-1/2" @ 2900' casing Size: 4-3/4" Cemented with: 1102" @ 3750' sacks Top of Cement: Unknown Top of Cement: Unknown Method Determined:									
Casing Size: 5-1/2" @ 2900" Casing Size: 4-1/2" @ 3750" Cemented with: 600 sacks Cemented with: 115 sacks Top of Cement: Unknown Method Determined: Unknown sacks Top of Cement: Unknown Method Determined:	<u>P</u>					<u>Pro</u>		<u>ier</u>	
Cemented with: 600 sacks Cemented with: 115 sacks Top of Cement: Unknown Method Determined: Iniection Interval Method Determined: 3751' OWDD Iniection Interval Sacks Gement: Unknown Method Determined: Total Depth: 3751' OWDD Iniection Interval Sacks OWDD Iniection Interval Sacks Gemented with: 115 Sacks Total Depth: Gene to a Sacks Iniection Interval Iniection Interval Tubing Detail Tubing Material: Tubing Material: Type of Packer: None Packer Setting Depth: Oli and gas 1. Is this a new well drilled for injection? No Name of Field or Pool (if applicable): Langli	Hole Size:	6-3/4"	-		Hole Size:		4-3/4"		_
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Method Determined:	Cemented with:	600	sacks		Cemented	with:	115		sacks
Method Determined:	Top of Cement:	Unknown	-		Top of Cen	nent:	Unknown		-
Total Depth: 3751' OWDD Injection Interval 3440' feet to 3628' (Indicate whether Open Hole or perforated) Tubing Detail Tubing Detail Type of Packer: None Packer Setting Depth: Other Type of Tubing/Casing Seal (if applicable): Additional Data No 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): Langlile 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, l.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	•		-		Method De	termined:			-
3440' feet to 3628' (Indicate whether Open Hole or perforated) perforated Indiaga Detail Tubing Size: 2-3/8" Lining Material: Type of Packer: None Packer Setting Depth: Packer Setting Depth: Other Type of Tubing/Casing Seal (if applicable): Addtitional Data No 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, l.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: Jaimat Yates Gas Zone, Top @ approx. 3040' Completion Record Perfs: See attached diagram			-		Total Depth	า:	3751' OW	DD	-
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Tubing Detail Tubing Size: 2-3/8" Lining Material:	2440	fact to 2628	-			a		n o sto solo o	
Tubing Size: 2-3/8" Lining Material:	3440		<u> </u>		(Indicate whethe	er Open Hole	e or perforated	periorated]
Tubing Size: 2-3/8" Lining Material:				Tubina D	otail				
Lining Material:	Tubing Size	2-3/8"			etan				
Type of Packer: None Packer Setting Depth:	-		-						
Packer Setting Depth:	v	None							
Other Type of Tubing/Casing Seal (if applicable): Addtitional 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, 1.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				······································					
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		g/Casing Seal (if applic	able):						
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									·····
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 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 			lly drilled?	′ <u> </u>		5			·····
 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' <u>Completion Record</u> Perfs: See attached diagram 	=						······································		
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	3. Name of Field or	Pool (if applicable):			Langlie Ma	attix Sever	n Rivers-Qu	een-Graybu	urg
Jalmat Yates Gas Zone, Top @ approx. 3040' Completion Record Perfs: See attached diagram			y other zo	one(s)? Lis	t all such perfo	orated inte	rvals and gi	ve plugging	ı detail,
Jalmat Yates Gas Zone, Top @ approx. 3040' Completion Record Perfs: See attached diagram	<u></u>				·····				
Completion Record Perfs:		•	-	s underlying	g or overlying t	he propos	ed injection	zone in thi	s area:
Perfs: See attached diagram	Jaimat rates Gas Z	опе, тор @ арргох. 30	140	<u> </u>	<u></u>	<u> </u>		<u> </u>	
	Completion Record	<u>d</u>	·	<u></u>		<u>. </u>			
	Perfs [.]	See atta	hed diac	ram					
		والمجيد والمنابعة والأخار والمراخذ والمراجع والمراجع والمراجع والمراجع		- 499 - 1					

Submit 3 Copies 10 Appropriate District State of New Mexico Office En , Minerals and Natural Resources	Form C-103 Revised March 25, 1999				
1625 N. French Dr., Hobbs, NM 87240 District II OIL CONSERVATION DIVISION	WELL API NO. 30-025-09387				
District III 2040 South Pacheco	5. Indicate Type of Lease				
1000 Rio Brazos Rd., Aztec, NM 87410 District IV District IV	6. State Oil & Gas Lease No.				
2040 South Pacheco, Santa Fe, NM 87505	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.)	7. Lease Name or Unit Agreement Name: Langlie Lynn Queen Unit				
1. Type of Well: Oil Well X Gas Well Other	Langrie Lynn queen onre				
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					
Unit Letter <u>K</u> : 1650 feet from the <u>South</u> 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: SUB	SEQUENT REPORT OF:				
PULL OR ALTER CASING IN MULTIPLE CASING TEST AND COMPLETION					
12. Describe Proposed or Completed Operations (Clearly state all pertinent details, and gi of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach 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 15 & 3.542'-3.628'. Acidized perfs w/ 3M gals 15% HCL acid.	2 holes). Old perfs @ 3,440'-3.526'				
02/29/00: RIH w/ rods & 2 3/8" tubing. Tubing landed @ 3,660'. RDP	J & 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 belief					
SIGNATURE Denie Mensue TITLE Production Tech.	DATE03/21/00				
Type or print name Denise Menoud	Telephone No. (915)687-2074				
(This space for State use) URIGINAL SIGNED BY CHRIS WELLAMS DISTRICT & SUPERVISOR	MAR 2 4 2000				
APPROVED BYTITLETITLE	DATE				



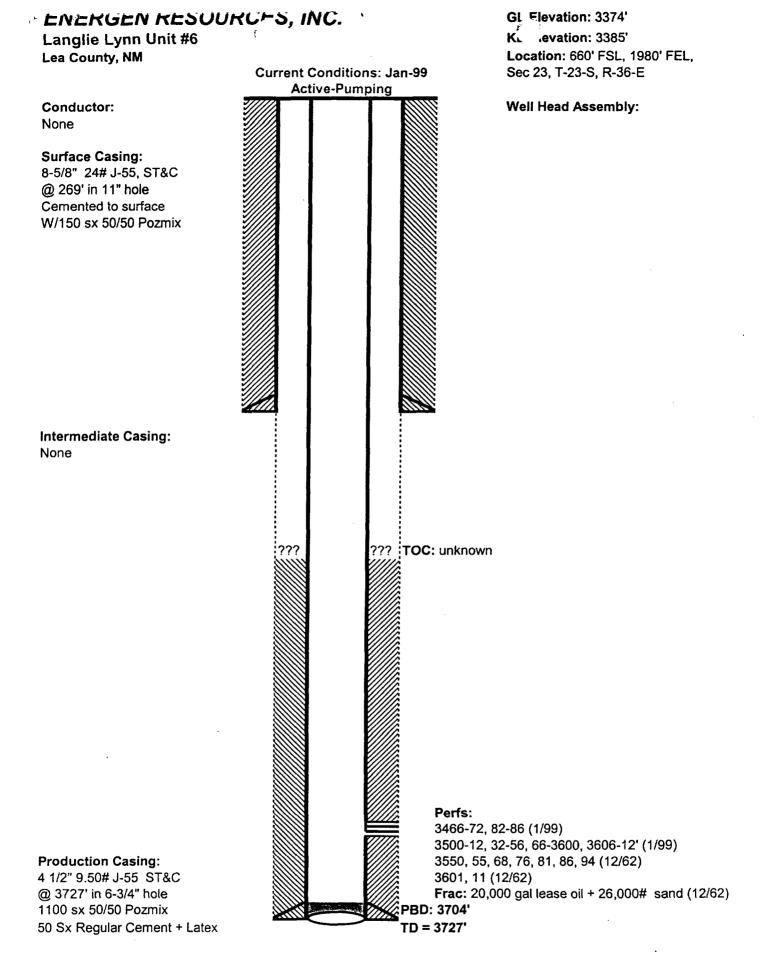
OPERATOR:		Energen R	esource	<u>s</u>					
WELL NAME & NUM	BER:	Langlie Ly	nn Quee	n Unit #6					
WELL LOCATION:	660' FSL,	1980' FEL			0	23	T-23-S	R-36-E	Lea
	(Foolage Localio	n)			(Unit Letter)	(Section)	(Township)	(Range)	(County)
			WELL	CONSTRUC	TION DATA				
				Surface Cas	sing				
Hole Size:	11"								
Casing Size:	8-5/8"	<u></u>	-	1 2			•		
Cemented with:	150		sacks	(or)		<u> </u>	_ft3		
Top of Cement: Method Determined:	Surface Visual		- ,						
Method Determined.	VISUAI	<u> </u>	-						
			Ē	Production C	asing				
Hole Size:	6-3/4"		-						
Casing Size:	4-1/2"		-						
Cemented with:	1150	<u></u>	sacks	(or)	<u> </u>	·	ft3		
Top of Cement:	Unknown		-						
Method Determined:	3728'		-						
Total Depth:	5120		-						
				Injection Int	<u>erval</u>				
3456'	feet to	3612'			(Indicate whethe	er Open Hole	e or perforated)	perforated	
				<u>Tubing De</u>	tail				
Tubing Size:	2-3/8"		-						
Lining Material:									
Type of Packer:	None								
Packer Setting Depth: Other Type of Tubing		al (if applic	- ahla)						
	greasing se	ai (ii appiic	abie).						
Addtitional Data									
1. Is this a new well drilled for injection?									
If no, for what purpos		-	ly drilled	?	Oil and ga	<u>s</u>	·		
2. Name of the Inject			·		n/a				
3. Name of Field or	Pool (il app	licable):			Langlie Ma	attix Sever	n Rivers-Que	en-Graybu	rg
4. Has the well ever I.e. sacks of cement			other ze	one(s)? List	all such perfo	rated inte	rvals and giv	ve 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	!	· · · · · · · · · · · · · · · · · · ·							

.

Acid, Shot, Fracture, Squeeze:

Perfs:

See attached diagram



OPERATOR:	. 	Energen F	Resource	S	<u> </u>					
WELL NAME & NUM	BER:	Langlie Ly	nn Quee	n Unit #8						
WELL LOCATION:	660' FSL, (Footage Location	660' FWL			M (Unit Letter)	23 (Section)	T-23-S (Township)	R-36-E (Range)	Lea (County)	
			WELL	CONSTRU	JCTION DATA					
				<u>Surface (</u>	Casing					
Hole Size: Casing Size:	<u>11"</u> 8-5/8"	<u> </u>								
Cemented with:	150		sacks	(or)			ft3			
Top of Cement:	Surface		_				-			
Method Determined:	Visual		,							
			<u> </u>	Production	<u>Casing</u>					
Hole Size:	6-3/4"		_							
Casing Size:	4-1/2"		- .							
Cemented with:	<u>1926</u>		sacks	(or)	- <u></u>		_ft3			
Top of Cement:	Surface		<u></u>							
Method Determined: Total Depth:	Visual 3712'		-							
	<u> </u>	<u></u>	-							
				Injection	Interval					
3482'	_ feet to	3673'			(Indicate whethe	er Open Hole	or perforated)	perforated		
•				Tubing	<u>Detail</u>					
Tubing Size:	2-3/8"									
Lining Material:										
Type of Packer:		<u> </u>	<u> </u>							
Packer Setting Depth: Other Type of Tubing	/Casing Se	eal (if applic	able).							
	groading of		аысу.	·			<u></u>			
1. Is this a new well	drilled for i	njection?			No					
If no, for what purpos	se was the	well origina	lly drilled	?	Oil and gas					
2. Name of the Injection Formation:					n/a					
3. Name of Field or	Pool (if app	olicable):			Langlie Ma	ittix Seven	Rivers-Que	en-Graybur	g	
4. Has the well ever I.e. sacks of cement			y other z		st all such perfo		-		detail,	
5. Give the name an Jalmat Yates Gas Zo				es underlyir			ed injection		area:	
Completion Record	!	<u></u>					<u> </u>			
Perfs:		See attac	h ed diac	iram						
a a constant and a co	أكامه الأجرب يجمع ومحبو معارد براساره				والمتحد والمتحدين بالمتحد والمتحد والم					

-

Acid, Shot, Fracture, Squeeze:



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

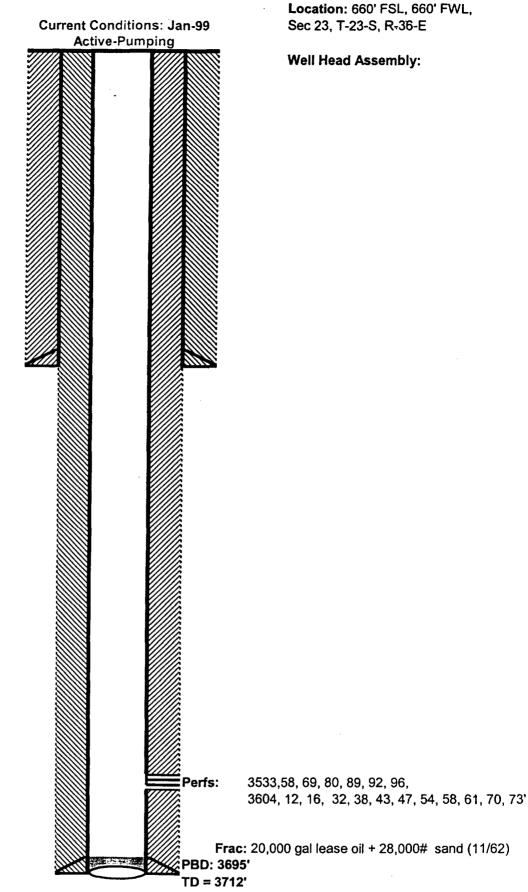
Intermediate Casing: None

Production Casing: 4 1/2" 9.50# J-55 ST&C @ 3712' in 6-3/4" hole

1876 sx 50/50 Pozmix

Cement Circulated

50 sx Regular cement + Latex



GL Flevation: 3358

.evation: 3370'

KĹ

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

NATELL DATA OUT	
WELL DATA SHE	r 1

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OPERATOR:		Energen R	Resource)S						
WELL NAME & NUM	BER:	Langlie Ly	nn Quee	en Unit #10						
WELL LOCATION:	660' FSL,	1650' FEL			0	22	T-23-S	R-36-E	Lea	
	(Foolage Locali	on)			(Unit Letter)	(Section)	(Township)	(Range)	(County)	
			WELL	CONSTRUC	TION DATA					
				Surface Ca	<u>sing</u>					
Hole Size:	9-7/8"	······	-							
Casing Size:	7-5/8"			<i>.</i>						
Cemented with:	225		sacks	(or)			_ft3			
Top of Cement:	Surface	<u> </u>	- ,							
Method Determined:	Visual		-							
	·		F	Production C	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 In	terval					
P&A	feet to	<u></u>			(Indicate whethe	er Open Hole	e or perforated))		
				Tubing D	stail					
Tubing Size:				Tubing De	stan					
Lining Material:	······		-							
Type of Packer:										
Packer Setting Depth:		<u> </u>								
Other Type of Tubing	g/Casing S	eal (if applic	able):		<u></u>					
Addtitional Data										
1. Is this a new well		-			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 N						attix Sever	n Rivers-Qu	een-Graybu		
		· · ·		iono(o)? Liot						
 Has the well ever sacks of cement 	•			• •	all such perio		•		detail,	
Old perfs in interval i			'd 7-2-86	δ						
See attached sheet	for plugging	g detail				~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~				
	·····									
5. Give the name ar Jalmat Yates Gas Zo	•			es underlying	or overlying t	the propos	ed injection	zone in this	area:	
·										
Completion Record	Ţ									

Acid.	Shot.	Fracture.	Squeeze:
	01104		oquouzo.

Perfs:

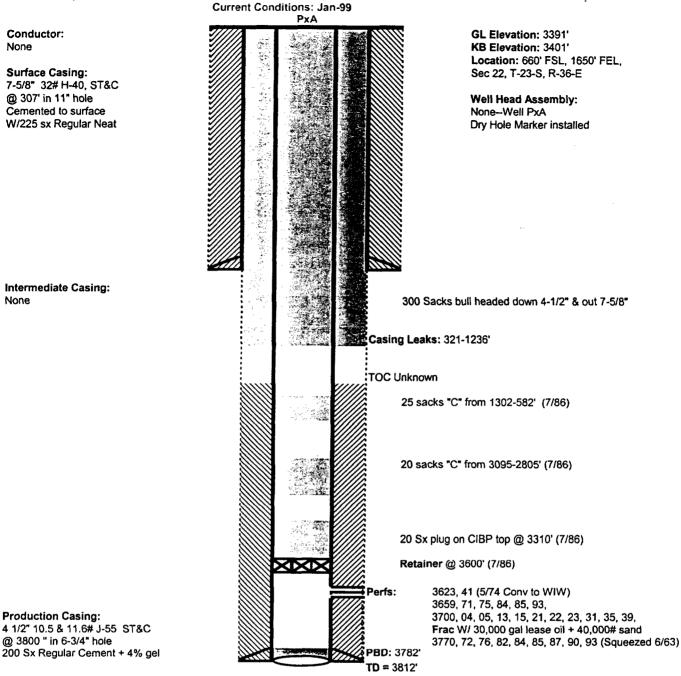
See attached diagram

*			
NO. OF COPIES RECEIVED DISTRIBUTION SANTA FE FILE	NEW MEXICO OIL CONSERVA	TION COMMISSION	Form C-103 Supersedes Old C-102 and C-103 Effective 1-1-65
U.S.G.3. LAND OFFICE OPERATOR			Sa. Indicate Type of Lease State Fee S. State Cil S Gas Lease Na. B-1167
IDO NOT USE THIS FORM FOR PROP	NOTICES AND REPORTS ON WELL	A PIPPPARUT APARAUNIA	
2. Name of Operator	OTHER. INI. Well	·	7. Unit Agreement Name
CONOCO IN	с.		Langlie Lynn Queer
P. O. Box 460,	Hobbs, N.M. 88240		9. Well/No.
4. Location of Well UNIT LETTER	40 PEET FROM THE South LINE	AND 1650 PEET FROM	10. Field and Pool, or Wildow Langlie Mattix Thir
THE <u>East</u> LINE, BECTION	22 TOWNSHIP 235	AANGE <u>36E</u> 4MAN.	
	15. Elevation (Show whether DF, RT	, CR, etc.)	12. County Lea
16. Check A	ppropriate Box To Indicate Nature		
PERFORM REMEDIAL WORK	PUIG AND ABANDON	AL WORK	ALTERING CASING PLUG AND ABANDONWENT
	۵۳, 		
17. Describe Proposed of Completed Oper work) SEE RULE 1103.	ations (Clearly state all pertinent details, and	l give pertinent dates, including	estimated date of starting any prop
DMIRU on 7-1-51 Det CIBP@3 Hop of plug Bullhead 300 Out 758" csg. A Rig down on	6. PooH w/ tbg 600', Displace hole after waiting on cmt sxs Class "C" cmt de Installed PFA mar 7-2-86.	W/mud, Set: - 35 hrs. (Top own 45 csq, h -ker,	3 cmt plugs. Tag @ 1140?) ad good return
			-
13. I hereby certify that the information ab	ove is true and complete to the best of my known	wledge and belief. trative Supervisor	DATE 7-18-86

CONDITIONS OF APPROVAL, IF ANY:

NIMORD-4

ENERGEN RESOURCES, INC. Langlie Lynn Unit #10 Lea County, NM



4 1/2" 10.5 & 11.6# J-55 ST&C @ 3800 " in 6-3/4" hole

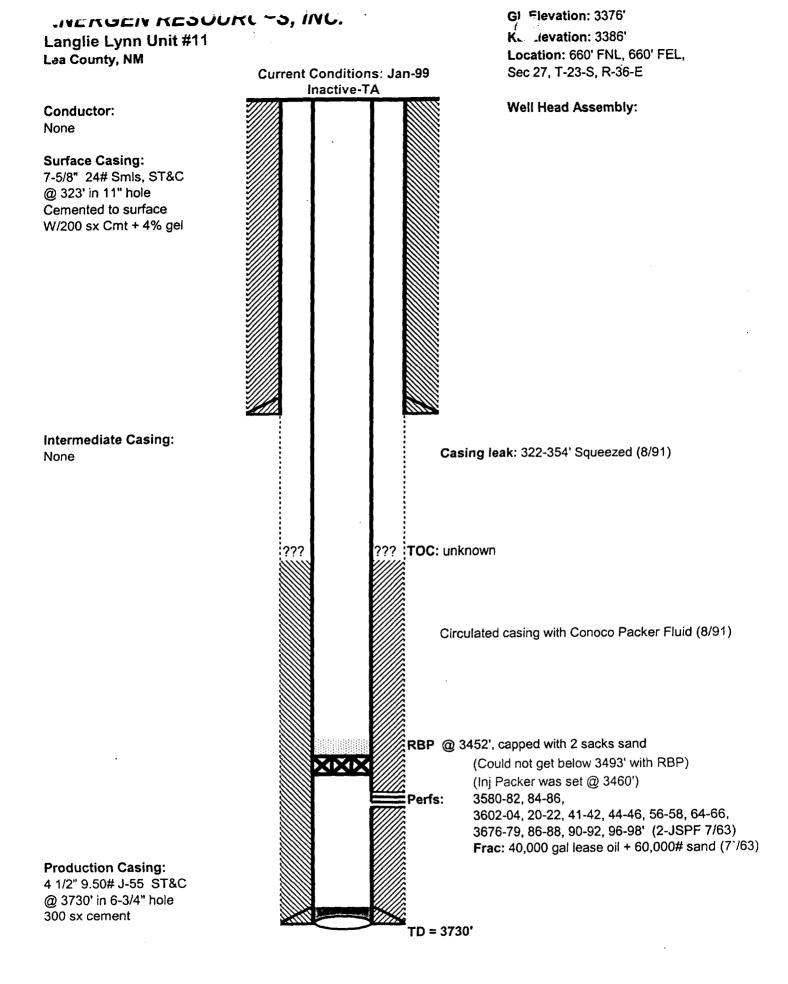
(Footage Lo Hole Size: 11" Casing Size: 7-5/8" Cemented with: 200 Top of Cement: Surface Method Determined: Visual Hole Size: 6-3/4" Casing Size: 4-1/2" Cemented with: 300 Top of Cement: Unknow Method Determined: 3730' Top of Cement: Unknow Method Determined: 3730'			Unit #11	A (Unit Letter)	27		. <u>سر میں مصر میں م</u>	
(Footage Lo ole Size: 11" asing Size: 7-5/8" emented with: 200 op of Cement: Surface lethod Determined: Visual lole Size: 6-3/4" asing Size: 4-1/2" cemented with: 300 op of Cement: Unknow lole Size: 4-1/2" cemented with: 300 op of Cement: Unknow lethod Determined: 3730' dethod Determined: 3730' iotal Depth: 3730' 3532' feet ubing Size: 2-3/8" ining Material:	ocation)	VELL C			27			
Hole Size: 11" Casing Size: 7-5/8" Cemented with: 200 Top of Cement: Surface Method Determined: Visual Hole Size: 6-3/4" Casing Size: 4-1/2" Cemented with: 300 Top of Cement: Unknow Method Determined: Tunknow Top of Cement: Unknow Method Determined: 730' Total Depth: 3730' 3532' feet . . Tubing Size: 2-3/8" Lining Material: . Type of Packer: . Packer Setting Depth: . Other Type of Tubing/Casing . Addtitional Data . 1. Is this a new well drilled for . 1. Is this a new well drilled for . . Name of the Injection For . Name of Field or Pool (if and the propose was the set of the set of the propose was the set of the set of the propose was the set of the prool (if and the set of the propose was the set of the pr		VELL C		(Unit Letter)			R-36-E	Lea
Casing Size: 7-5/8" Cemented with: 200 Top of Cement: Surface Method Determined: Visual Hole Size: 6-3/4" Casing Size: 4-1/2" Cemented with: 300 Top of Cement: Unknow Method Determined: Total Depth: 3730' 3532' feet Tubing Size: 2-3/8" Lining Material: Type of Packer: Packer Setting Depth: Other Type of Tubing/Casing Addtitional Data 1. Is this a new well drilled for If no, for what purpose was to 2. Name of the Injection For 3. Name of Field or Pool (if a 4. Has the well ever been performed to the set of t	N	VELL C			(Section)	(Township)	(Range)	(County)
Casing Size: 7-5/8" Cemented with: 200 Top of Cement: Surface Method Determined: Visual Hole Size: 6-3/4" Casing Size: 4-1/2" Cemented with: 300 Top of Cement: Unknow Method Determined: Top of Cement: Comented with: 300 Top of Cement: Unknow Method Determined: Total Depth: Total Depth: 3730' State 2-3/8" Lining Material: Fype of Packer: Packer Setting Depth: Dether Type of Tubing/Casing Addtitional Data 1. Is this a new well drilled for I. Is this a new well drilled for For I. Is this a new well drilled for For I. Is this a new well drilled for For I. Is this a new well drilled for For I. Is this a new well drilled for For I. Is this a new well drilled for For I. Name of the Injection For S. Name of Field or Pool (if and the set of the Injection For I. Has the well ever been per the set of the Injection For	_		ONSTRU	CTION DATA				
Casing Size: 7-5/8" Cemented with: 200 Top of Cement: Surface Method Determined: Visual Hole Size: 6-3/4" Casing Size: 4-1/2" Cemented with: 300 Top of Cement: Unknow Method Determined: Top of Cement: Comented with: 300 Top of Cement: Unknow Method Determined: Total Depth: Total Depth: 3730' State 2-3/8" Lining Material: Fype of Packer: Packer Setting Depth: Dether Type of Tubing/Casing Addtitional Data 1. Is this a new well drilled for I. Is this a new well drilled for For I. Is this a new well drilled for For I. Is this a new well drilled for For I. Is this a new well drilled for For I. Is this a new well drilled for For I. Is this a new well drilled for For I. Name of the Injection For S. Name of Field or Pool (if and the set of the Injection For I. Has the well ever been per the set of the Injection For			Surface C	asing				
Cemented with: 200 Top of Cement: Surface Method Determined: Visual Hole Size: 6-3/4" Casing Size: 4-1/2" Cemented with: 300 Top of Cement: Unknow Method Determined: 300 Top of Cement: Unknow Method Determined: 3730' Total Depth: 3730' 3532' feet Sing Size: 2-3/8" Lining Material:		-						
Top of Cement: Surfact Method Determined: Visual Hole Size: 6-3/4" Casing Size: 4-1/2" Cemented with: 300 Top of Cement: Unknown Method Determined: 3730" Fotal Depth: 3730" State 2-3/8" Lining Material:								
Method Determined: Visual Hole Size: 6-3/4" Casing Size: 4-1/2" Cemented with: 300 Top of Cement: Unknow Method Determined: 700 Total Depth: 3730' Get 3532' Fubing Size: 2-3/8" Lining Material: 700 Type of Packer: 200 Daker Setting Depth: 200 Other Type of Tubing/Casing 4. Addtitional Data 1. Is this a new well drilled for	sa	acks	(or)	·		ft3		
Hole Size: 6-3/4" Casing Size: 4-1/2" Cemented with: 300 Top of Cement: Unknown Method Determined: 3730' Total Depth: 3730' 3532' feet <t< td=""><td>e</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>	e							
Casing Size: 4-1/2" Cemented with: 300 Top of Cement: Unknown Method Determined: 500 Total Depth: 3730' 3532' feet Tubing Size: 2-3/8" Lining Material: 500 Type of Packer: 500 Packer Setting Depth: 500 Other Type of Tubing/Casing 600 Addtitional Data 61 I. Is this a new well drilled for 61 J. Is this a new well drilled for 61 J. Name of the Injection For 53 Name of Field or Pool (if an expection For 53 Mame of Field or Pool (if an expection For 54								
asing Size: 4-1/2" gemented with: 300 op of Cement: Unknown lethod Determined: 0 otal Depth: 3730' 3532' feet "ubing Size: 2-3/8" ining Material:		Pr	oduction	Casing				
Casing Size: 4-1/2" Cemented with: 300 Top of Cement: Unknown Method Determined: 1 Total Depth: 3730' 3532' feet Gubing Size: 2-3/8" Lining Material: 1 Type of Packer: 1 Packer Setting Depth: 1 Other Type of Tubing/Casing 1 Addtitional Data 1 1. Is this a new well drilled for 1 2. Name of the Injection For 3 3. Name of Field or Pool (if a 1 4. Has the well ever been per 1		<u></u>	<u> </u>					
Cemented with: 300 Top of Cement: Unknow Method Determined: Total Depth: 3730' 3532' feet								
Method Determined: 3730' Fotal Depth: 3730' Solar Depth: 3730' Joing Depth: 2-3/8" Lining Material:	S;	acks	(or)			ft3		
Method Determined: 3730' Fotal Depth: 3730' Solar Depth: 3730' Joing Depth: 2-3/8" Lining Material:	wn		• •	- <u></u>		-		
3532' feet Fubing Size: 2-3/8" Lining Material:								
Fubing Size: 2-3/8" Lining Material:	<u> </u>							
Tubing Size: 2-3/8" Lining Material:								
Fubing Size: 2-3/8" Lining Material:		<u>1</u>	njection l	<u>nterval</u>				
Lining Material: Type of Packer: Packer Setting Depth: Dther Type of Tubing/Casing Addtitional Data 1. Is this a new well drilled for If no, for what purpose was the 2. Name of the Injection For 3. Name of Field or Pool (if a 4. Has the well ever been pe	to <u>3698'</u>			(Indicate whethe	er Open Hole	or perforated	perforated	
Lining Material: Type of Packer: Packer Setting Depth: Dther Type of Tubing/Casing Addtitional Data 1. Is this a new well drilled for If no, for what purpose was the 2. Name of the Injection For 3. Name of Field or Pool (if a 4. Has the well ever been pe			<u>Tubing (</u>	Detail				
Lining Material: Type of Packer: Packer Setting Depth: Dther Type of Tubing/Casing Addtitional Data 1. Is this a new well drilled for if no, for what purpose was the 2. Name of the Injection For 3. Name of Field or Pool (if a 4. Has the well ever been pe			Tubing L	201011				
Type of Packer: Packer Setting Depth: Other Type of Tubing/Casing Addtitional Data 1. Is this a new well drilled for if no, for what purpose was th 2. Name of the Injection For 3. Name of Field or Pool (if a 4. Has the well ever been pe								
Packer Setting Depth: Dther Type of Tubing/Casing Addtitional Data 1. Is this a new well drilled for if no, for what purpose was the 2. Name of the Injection For 3. Name of Field or Pool (if a 4. Has the well ever been pe								
Addtitional Data 1. Is this a new well drilled for if no, for what purpose was the 2. Name of the Injection For 3. Name of Field or Pool (if an 4. Has the well ever been pe								
 Is this a new well drilled for f no, for what purpose was the Name of the Injection For Name of Field or Pool (if an any state of Field or Pool (if any state of	Seal (if applicab	ie):						
 Is this a new well drilled for if no, for what purpose was the Name of the Injection For Name of Field or Pool (if a Has the well ever been performed to the performance of the performed to the performance of the performanc								
if no, for what purpose was to 2. Name of the Injection For 3. Name of Field or Pool (if a 4. Has the well ever been pe								
 Name of the Injection For Name of Field or Pool (if a Has the well ever been per 				No				
 Name of Field or Pool (if a Has the well ever been pe 		drilled?	, 	Oil and gas n/a	<u>s</u>			
4. Has the well ever been pe	2. Name of the Injection Formation:							<u> </u>
	applicable):		<u></u>	Langlie Ma	attix Sever	Rivers-Qu	een-Graybur	g
adora or coment or plug	•	ther zo		st all such perfo		-		detail,
	··· · · · · · · · · · · · · · · ·					<u></u>	4	
 Give the name and depth Jaimat Yates Gas Zone, Top 			s underlyin	g or overlying t	he propos	ed injection	zone in this	area:
WILLING THIS GAS FOLID, 100								

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Perfs:	See attached diagram
Acid, Shot, Fracture, Squeeze:	

Submit 3 Copies to Appropriate District Office	· · · · · · · · · · · · · · · · · · ·	ew Mexico Iral Resources Department	Form C-103 Revised 1-1-89				
DISTRICT I P.O. Box 1980, Hobbs, NM 88240	OIL CONSERVA P.O. Bo		WELL API NO.				
DISTRICT II P.O. Drawer DD, Artesia, NM 88210	Santa Fe, New Me	30-025-20521 5. Indicate Type of Lease STATE THE FEE					
DISTRICT III 1000 Rio Brazos Rd., Aziec, NM 87410							
(DO NOT USE THIS FORM FOR PRO DIFFERENT RESER (FORM C-	CES AND REPORTS ON POSALS TO DRILL OR TO DE VOIR. USE "APPLICATION FO 101) FOR SUCH PROPOSALS	EPEN OR PLUG BACK TO A	23267 7. Lease Name or Unit Agreement Name Langlie Lynn Queen Unit				
1. Type of Well: OIL WELL X WEL	OTTER						
2. Name of Operator Energen Resources Corpo	oration		8. Well No. 11				
3. Address of Operator 3300 N. A St, Bldg 4, 1	Ste 100, Midland, T	TX 79705	9. Pool name or Wildcat Langlie Mattix 7 RVRS/Queen/GB				
4. Well Location	Feet From The North						
07							
Section 21		Range 30E M hether DF, RKB, RT, GR, etc.)	MPM Lea County				
11. Check A NOTICE OF INT		cate Nature of Notice, Re	port, or Other Data SEQUENT REPORT OF:				
	PLUG AND ABANDON						
	CHANGE PLANS						
PULL OR ALTER CASING		CASING TEST AND CE					
OTHER:			· []				
12. Describe Proposed or Completed Operati work) SEE RULE 1103.	oos (Clearly state all pertinent deu	ails, and give pertinent dates, includ	ing estimated date of starting any proposed				
MIRU WSU, pressure test Re-perforate the 7 Rive	casing to 500 psi rs/Queen, acidize	for 30 minutes. Re w/ 3,000 gals. Run	ecover RBP @ 3,452'. tubing and rods, RWTP.				
I hereby certify that the information above is true :	and complete to the best of my knowled						
SIONATURE	and	_ mle Prod. Tech.	DATE				
TYPE OR PRINT NAME Denise	Menoud		TELEPHONE NO.915-687-207				
(This space for State Use)		_					
APPROVED BY URIGHTAL SIC	NED BY CHHID VICENT	— TITLE	DAMAR 20 2008				

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OPERATOR:	R: Energen Resources									
WELL NAME & NUM	BER:	Langlie Lynn Queen Unit #13								
WELL LOCATION:	660' FNL, (Footage Locatio	1980' FWL			C (Unit Letter)	26 (Section)	T-23-S (Township)	R-36-E (Range)	Lea (County)	
			WELL	CONSTRI	JCTION DATA					
				<u>Surface (</u>	Casing					
Hole Size: Casing Size: Cemented with: Top of Cement: Method Determined:	11" 7-5/8" 200 Surface Visual		sacks	(or)			_ft3			
			F	Production	ı Casina					
Hole Size: Casing Size: Cemented with: Top of Cement: Method Determined: Total Depth:	6-3/4" 4-1/2" 250 2500' TS 3700'		sacks 	(or)	<u></u>		_ft3			
				Injection	Interval					
3446'	feet to	3638'			(Indicate whethe	er Open Hole	or perforated)	perforated		
Tubing Size: Lining Material: Type of Packer: Packer Setting Depth: Other Type of Tubing	2-3/8"	eal (if applic	- - able):	<u>Tubing</u>	<u>Detail</u>					
Addtitional Data										
 Is this a new well drilled for injection? If no, for what purpose was the well originally drilled Name of the Injection Formation: Name of Field or Pool (if applicable): 			?	No Oil and ga n/a Langlie Ma		Rivers-Que	een-Graybur			
4. Has the well ever I.e. sacks of cement			other z	one(s)? Li	ist all such perfo	orated inter	vals and giv	ve plugging o	detail,	
5. Give the name an Jalmat Yates Gas Zo				es underlyi	ng or overlying t	he propos	ed injection	zone in this	area:	
Completion Record	!						ara a r a ala, "mangala	<u></u>		

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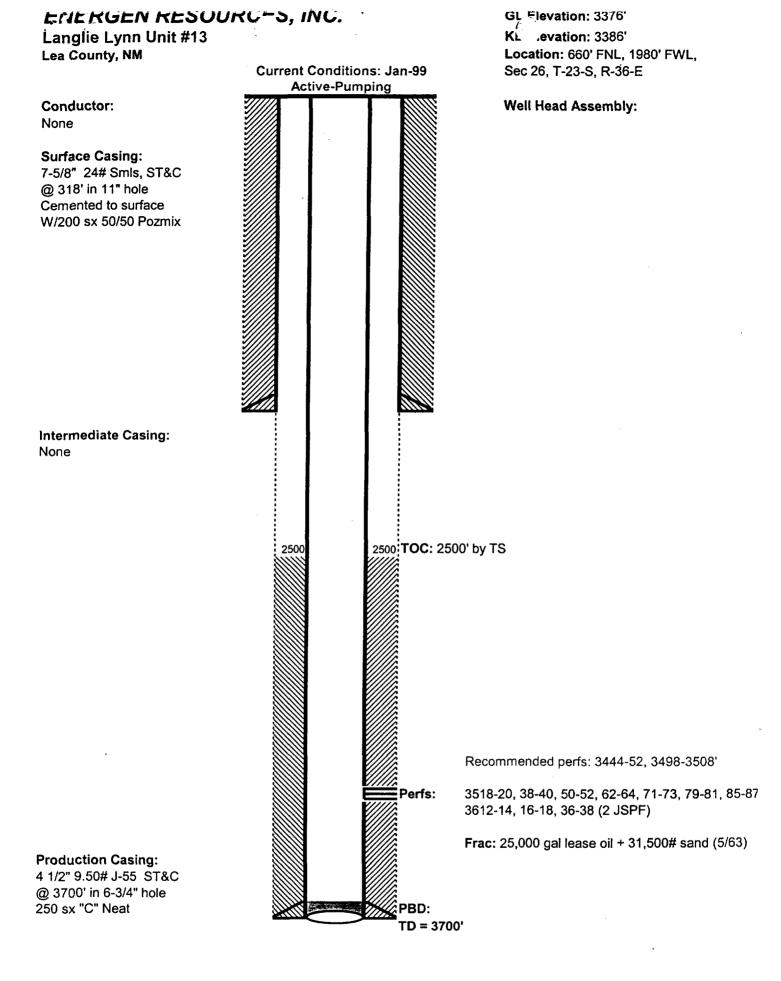
Acid,	Shot,	Fracture,	Squeeze:
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See attached diagram

Perfs:

Submit 3 Copies to Appropriate District Office	State of New Ene.,, Minerals and Natural			Form C-103 Revised 1-1-89
DISTRICT I P.O. Box 1980, Hobbs, NM 88240	OIL CONSERVAT		WELL API NO.	
DISTRICT II	P.O. Box : Santa Fe, New Mexic			5-20335
P.O. Drawer DD, Artesia, NM 88210			5. Indicate Type of Lea	STATE T
DISTRICT III 1000 Rio Brazos Rd., Aztec, NM 87410			6. State Oil & Gas Lea 23267	
(DO NOT USE THIS FORM FOR PR DIFFERENT RESE	ICES AND REPORTS ON W OPOSALS TO DRILL OR TO DEEP RVOR. USE "APPLICATION FOR >-101) FOR SUCH PROPOSALS.)	PEN OR PLUG BACK TO A	7. Lease Name or Unit	-
1. Type of Well: OL WELL X WELL		· · · · · · · · · · · · · · · · · · ·	Langlie Lynn	Queen Unit
2. Name of Operator		=	8. Well No.	
Energen Resources Corp	poration		13	· · · · · · · · · · · · · · · · · · ·
3. Address of Operator 3300 N. A St, Bldg 4,	Ste 100. Midland TY	79705	9. Pool name or Wildca Langlie Mattix	
4. Well Location				. / KVK5/Quee
Unit Letter:660) Feet From The North	Line and198) Feet From The	East
Section 26	Township 23S		NMPM	Lea C
	10. Elevation (Show whee)	her DF, RKB, RT, GR, etc.)		
11. Check	Appropriate Box to Indicat	e Nature of Notice. R	eport, or Other Da	<i></i>
NOTICE OF IN			SEQUENT REP	
	CHANGE PLANS			
				G AND ABANDONM
PULL OR ALTER CASING		CASING TEST AND CE		
OTHER:	[_		·	
12 Describe Proposed or Completed Opera work) SEE RULE 1103. MIRU WSU, pull product @ 3,466'-72', and @ 3;	tion equipment. Re-pa	erforate the 7 RV	RS/Queen @ 3,44	
			•	
	-			
I hereby certify that the information above is true	and complete to the best of my knowledge	nod belief.		
\sim h	and complete to the best of my knowledge i	mabelia. Prod. Tea	ch.	3/13/20
SIGNATURE	Jenour		D	AIE
SIGNATURE	Jenour		D	ELEPHONE NO. 915-6
SIGNATURE	Menoud	mre Prod. Te	D	ELEPHONE NO. 915-6
SIGNATURE	Jenour	MILLIANS	D	AIE

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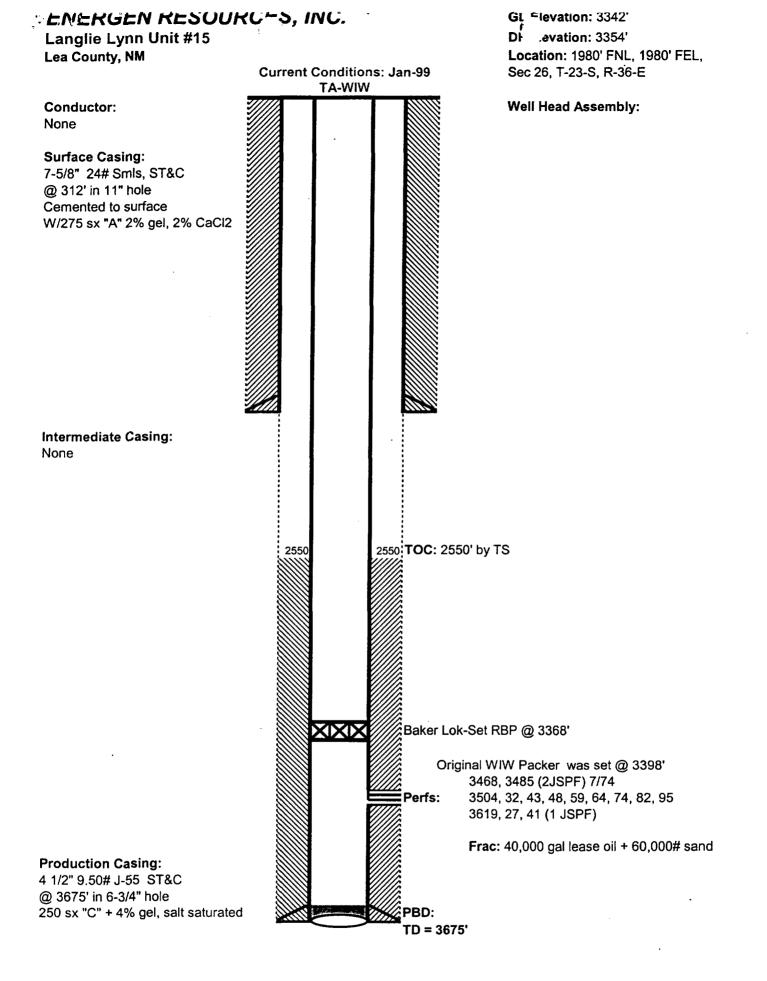
OPERATOR:	Energen Resources										
WELL NAME & NUM	BER:	Langlie Lynn Queen Unit #15									
WELL LOCATION:	1980' FNL (Foolage Locatio	, 1980' FEL			G (Unit Letter)	26 (Section)	T-23-S (Township)	R-36-E (Range)	Lea (County)		
			WELL	CONSTRUC	CTION DATA						
				<u>Surface Ca</u>	nsing						
Hole Size: Casing Size: Cemented with: Top of Cement: Method Determined:	9-7/8" 7-5/8" 275 Surface		sacks	(or)			_ft3				
			F	Production	Casina						
Hole Size: Casing Size: Cemented with: Top of Cement: Method Determined: Total Depth:	6-3/4" 4-1/2" 200 2550' TS 3675'		sacks	(or)			_ft3	·			
3416'	feet to	3641'		Injection In	i <u>terval</u> (Indicate whethe	er Open Hole	or perforated)	perforated			
Tubing Size: Lining Material: Type of Packer: Packer Setting Depth: Other Type of Tubing	2-3/8"	al (if applica	able):	<u>Tubing D</u>	<u>etail</u> 						
Addtitional Data											
 Is this a new well drilled for injection? If no, for what purpose was the well originally drilled? 			?	No Oil and ga	s		·····				
 Name of the Injection Formation; Name of Field or Pool (if applicable): 					n/a		Rivers-Que	een-Graybu	rg		
4. Has the well ever I.e. sacks of cement			other z	one(s)? List	all such perfo	orated inter	vals and giv	ve plugging	detail,		
5. Give the name an Jalmat Yates Gas Zo					g or overlying t		•	zone in this	area:		
Completion Record							······································	····	<u> </u>		
Perfs:	- 	See attac	hed diag	gram							

Acid,	Shot,	Fracture,	Squeeze:
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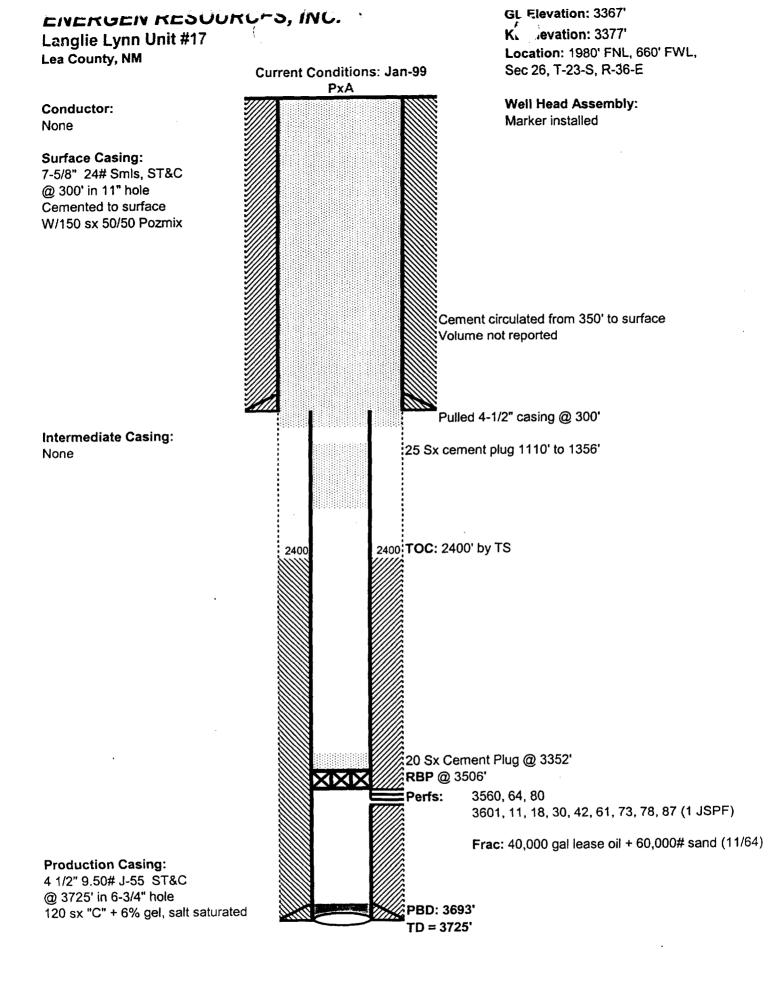
Subrist 3 Copies to Appropriate District Office	State of New M Er , Minerals and Natural R		Form C-103 Revised 1-1-89
DISTRICT I P.O. Box 1980, Hobbs, NM 88240	OIL CONSERVATIO	88	WELL API NO. 30-025-21067
DISTRICT II P.O. Drawer DD, Artesia, NM 88210	Santa Fe, New Mexico	87504-2088	5. Indicate Type of Lease
DISTRICT III 1000 Rio Brazos Rd., Aztec, NM 87410			6. State Oil & Gas Lease No. 23267
(DO NOT USE THIS FORM FOR PRO DIFFERENT RESEF	CES AND REPORTS ON WE POSALS TO DRILL OR TO DEEPEN IVOR. USE "APPLICATION FOR PE 101) FOR SUCH PROPOSALS.)	OR PLUG BACK TO A	7. Lease Name or Unit Agreement Name
1. Type of Well: OL CAS WELL X WELL	OTHER CONV	ert to Producer	Langlie Lynn Queen Unit
2. Name of Operator Energen Resources Corp	oration		8. Well No. 15
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/C
4. Well Location Unit Letter _ 26 : 198	0_ Feet From The North	Line and1980	Feet From The East
Section 26	Township 23S R: 10. Elevation (Show whether		MPM Lea County
11. Check A NOTICE OF INT	Appropriate Box to Indicate 2 ENTION TO:		port, or Other Data SEQUENT REPORT OF:
		REMEDIAL WORK	
	CHANGE PLANS	COMMENCE DRILLING	OPNS. DPLUG AND ABANDONMENT
PULL OR ALTER CASING			
OTHER: Convert from WIW	to Producer	OTHER:	

MIRU WSU, pressure test casing to 500 psi for 30 minutes. Recover RBP @ 3,368'. Re-perforate the 7 RVRS/Queen @ 3,416'-24', @ 3,432'-44', and @ 3,462'-68'. Acidize w/ 3,000 gals. Run tubing and rods, place well on production.

I hereby certify that the inform	nation above is true and complete to the best of my know	whedge and belief.	
SIONATURE	Menaud	Prod. Tech.	DATE3/13/2000
TYPE OR PRINT NAME	Denise Menoud		TELEPHONE NO.915-687-20
(This space for State Use)	I COLED BY		Value
	OBIGINAL SICILED BY GARY WINK FIELD REP. 1		DATE

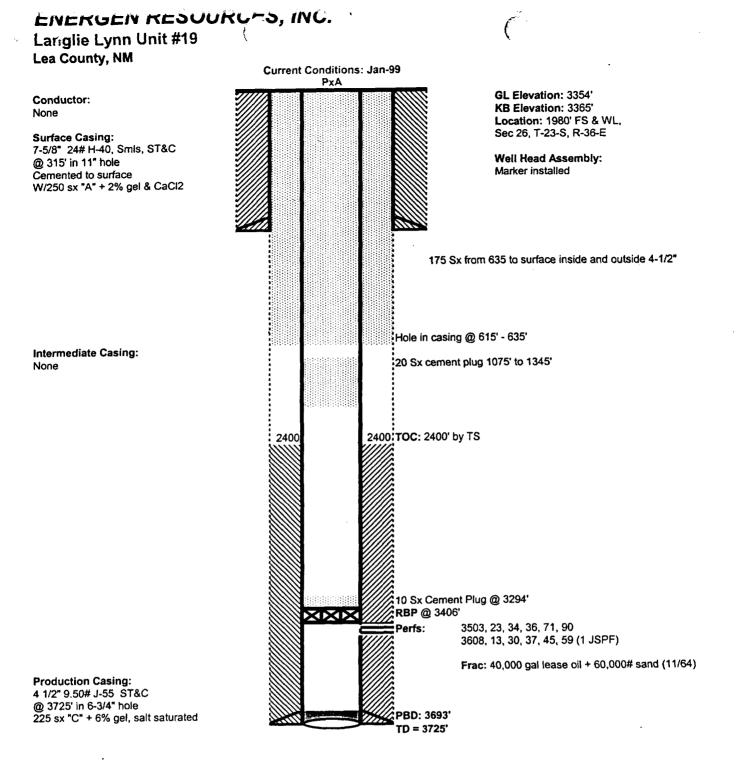


PERATOR:		Energen R	Resources	5				<u> </u>	
/ELL NAME & NUM	BER:	Langlie Ly	nn Queei	n Unit #17					
VELL LOCATION:	1980' FNL	, 660' FWL			E	26	T-23-S	R-36-E	Lea
	(Foolage Location	n)			(Unit Letter)	(Section)	(Township)	(Range)	(Counly
			WELL (CONSTRU	CTION DATA				
				Surface C	asing				
lole Size:	11"		-						
Casing Size:	7-5/8"								
cemented with:	150		sacks	(or)			_ft3		
op of Cement:	Surface	<u> </u>	-						
Method Determined:	Visual		-						
			<u>P</u>	roduction	Casing				
lole Size:	6-3/4"		_						
Casing Size:	4-1/2"		_						
Cemented with:	120	1	sacks	(or)			_ft3		
Fop of Cement:	2400' v	/	-						
Method Determined:	TS		-						
fotal Depth:	3725'		-						
			4	Injection II	nterval				
3506'	feet to	3560'			(Indicate whethe	er Open Hole	or perforated	perforated	
	_							·	
Tubing Size:				<u>Tubing D</u>	<u>vetan</u>				
ining Material:			-						
Type of Packer:					<u> </u>				
Packer Setting Depth:									
Other Type of Tubing	g/Casing Se	al (if applic	- able):						
Addtitional Data									
1. Is this a new well	drilled for in	njection?			No				
f no, for what purpos	se was the	well original	lly drilled	?	Oil and ga	s			
2. Name of the Inject	tion Forma	tion:			n/a				
3. Name of Field or	Pool (if app	licable):	·		Langlie Ma	attix Seven	Rivers-Qu	een-Graybu	g
4. Has the well ever	-		y other zo	one(s)? Lis	t all such perfo	prated inter	vals and giv	ve plugging	detail,
I.e. sacks of cement			follows						·
Old perfs @ 3560'-30					······				
RBP at 3506' w/ 20 s Set cmt plug at 1356							······		
Set cmt plug at 1550								·····	
5. Give the name ar Jalmat Yates Gas Zo	-	-	-	is underlyin	g or overlying t	he propos	ed injection	zone in this	area:
								·····	
Completion Record	4								
	5								



OPERATOR:	<u></u>	Energen R	esource	<u>s</u>	<u></u>						
WELL NAME & NUM	BER:	Langlie Lynn Queen Unit #19									
WELL LOCATION:	1980' FNL	, 660' FWL			к	26	T-23-S	R-36-E	Lea		
	(Footage Locatio			·····	(Unit Letter)	(Section)	(Township)	(Range)	(County)		
			WELL	CONSTRUC	TION DATA						
				<u>Surface Ca</u>	sing						
Hole Size:	11"										
Casing Size:	7-5/8"	<u></u>									
Cemented with:	150		sacks	(or)	<u> </u>		ft3				
Top of Cement:	Surface		•								
Method Determined:	Visual	<u> </u>	•								
			P	roduction (Casing			·			
Hole Size:	6-3/4"		÷		, ,						
Casing Size:	4-1/2"		•								
Cemented with:	225	1	sacks	(or)			_ft3				
Top of Cement:	2800'		-				_				
Method Determined:	TS		-								
Total Depth:	3725'		-								
				Injection In	<u>terval</u>						
3480'	feet to	3500'			(Indicate whethe	er Open Hole	e or perforated	perforated			
				Tubing D	<u>etail</u>						
Tubing Size:			_								
Lining Material:											
Type of Packer:											
Packer Setting Depth:	نعا المراجع المراجع المراجع		-								
Other Type of Tubing	/Casing Se	eal (if application	able):								
Addtitional Data											
1. Is this a new well		-			No			******			
If no, for what purpos			ly drilled	7	Oil and ga	<u>s</u>	<u> </u>				
2. Name of the Inject			<u> </u>		n/a	444		0	······		
3. Name of Field or I		·	<u></u>				n Rivers-Qu				
4. Has the well ever	•	•	other z	one(s)? List	all such perfo	orated inte	rvals and given the second sec	ve plugging	detail,		
I.e. sacks of cement					·						
Old perfs @ 3503'-36	559'. PA'd	10-22-92 as	tollows	•							
RBP at 3406'	'w/ 10 cv c	mt on ton (204"			·				
Set cmt plug at 3375 Set cmt plug at 1345		_ الأوالي التي يتحدث ويست المتحدث وال	يوجدون المتحد المتحد المتحد	ويرجوه والمتحد بمتحد والقنين والمتحد							
Set cmt plug at 635'											
5. Give the name an				es underlying	or overlying t	the propos	sed injection	zone in this	area:		
Jalmat Yates Gas Zo	one, top @	approx. 30	40'								
			·····	<u> </u>		<u> </u>					

Completion Record

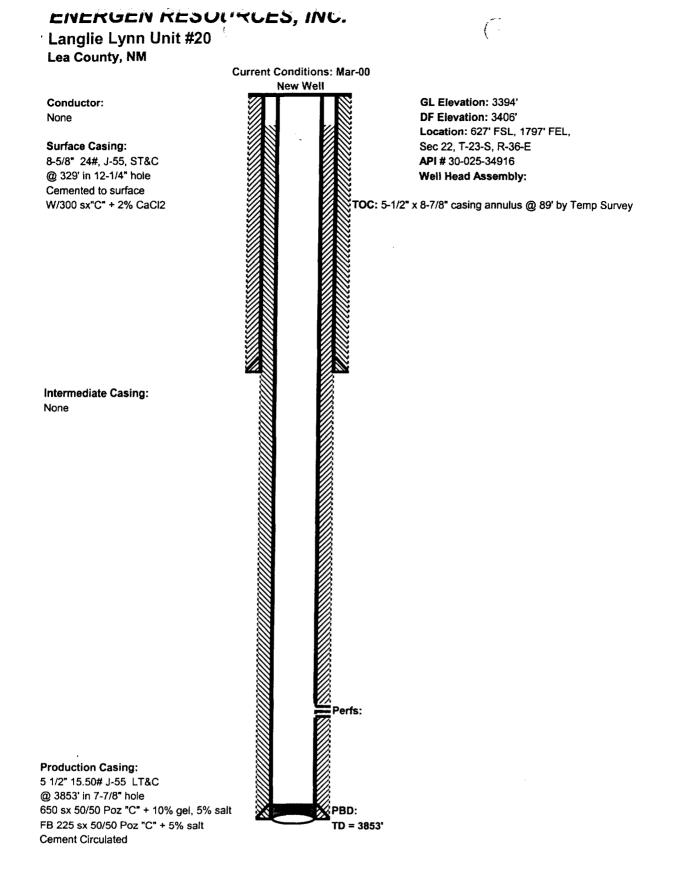


WELL	DATA	SHEET

OPERATOR:		Energen R	Resource	s		. <u></u>					
WELL NAME & NUMI	BER:	Langlie Lynn Queen Unit #20									
WELL LOCATION:	672' FSL,	1797' FEL		······	00	22	T-23-S	R-36-E	Lea		
	(Foolage Locali	on)			(Unit Letter)	(Section)	(Township)	(Range)	(County)		
			WELL	CONSTRU	ICTION DATA						
				<u>Surface C</u>	asing						
Hole Size:	12-1/4"		_								
Casing Size:	8-5/8"		-								
Cemented with:	300		sacks	(or)			_ft3				
Top of Cement:	Surface		_								
Method Determined:											
			_								
			Produ	ction Casi	ng (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'		-								
	_ feet to	3804'		Tubing I	(Indicate whethe Detail	er Open Hole	or perforated	perforated			
Tubing Size:											
Lining Material:											
Type of Packer:	. <u></u>										
Packer Setting Depth:											
Other Type of Tubing	/Casing S	eal (if applic	able):		<u></u>		<u></u>				
Addtitional Data											
1. Is this a new well	drilled for i	njection?			No						
If no, for what purpos		•	lly drilled	?	Spudded 2	2-24-00. Pr	resently drill	ing as a pro	ducer		
2. Name of the Injec	tion Forma	ation:			n/a						
3. Name of Field or I	Pool (if ap	olicable):			Langlie Ma	attix Seven	Rivers-Qu	een-Graybu	rg		
4. Has the well ever I.e. sacks of cement			y other z	one(s)? Li	st all such perfo No	orated inter	rvals and gi	ve plugging	detail,		
5. Give the name an Jalmat Yates Gas Zo	-			es underlyir	ng or overlying t	he propos	ed injection	zone in this	area:		
		······································									

•

Perfs:	See attached diagram
Acid, Shot, Fracture, Squeeze:	



OPERATOR:		Conoco							
WELL NAME & NUM	BER:	Lynn B-1 #	\$7						
WELL LOCATION:	990' FNL,	990' FEL		_	А	27	T-23-S	R-36-E	Lea
	(Footage Locate	n)			(Unit Letter)	(Section)	(Township)	(Range)	(County)
			WELL C	ONSTRU	CTION DATA				
			e	Surface C	asina				
Hole Size:	Unknown		-						
Casing Size:	7-5/8" @	1244'	-						
Cemented with:	500		- sacks	(or)			ft3		
Top of Cement:	Surface		-	• •	·	······································			
Method Determined:	Visual	<u></u>	-						
			_		. .				
Holo Sizo:	Unknown		<u>Pr</u>	oduction	Casing				
Hole Size: Casing Size:	5-1/2" @	2020'	-						
Cemented with:	<u>500</u>		- sacks	(or)			ft3		
Top of Cement:	Unknown		_ 000110	(01)			_ ""		
Method Determined:									
Total Depth:	3480'		-						
Addtitional Data									
1. Is this a new well	drilled for in	ijection?			No				
If no, for what purpos	e was the	well original	ly drilled?		Oil and gas	S			,
2. Name of the Injec	tion Forma	tion:	<u> </u>		n/a				
3. Name of Field or I	Pool (if app	licable):	·		Jalmat Tar	nsil-Yates-	Seven Rive	rs	
4. Has the well ever I.e. sacks of cement	-		other zor	ne(s)? Lis	t all such perfo	orated inter	vals and giv	ve plugging	detail,
5. Give the name an Jalmat Yates Gas Zo	•		-	underlyin	g or overlying t	he propos	ed injection	zone in this	area:
			· · · · · ·						
Completion Record	!								
Perfs:		Open hole	e 2929'-34	80' ?					
Acid, Shot, Fracture,	Squeeze:								
		· · · · · ·							·····

OPERATOR:		Roca Petro	bleum	<u> </u>					······
WELL NAME & NUM	BER:	George Et	z #6			- <u>-</u>			
WELL LOCATION:	660' FSL, 6	60' FEL			Р	27	T-23-S	R-36-E	Lea
	(Footage Location)				(Unit Letter)	(Section)	(Township)	(Range)	(County)
				CONSTRU					
					CTION DATA				
Hole Size:	12-1/4"			<u>Surface Ca</u>	asing				
Casing Size:	8-5/8" @ 44	47'	•						
Cemented with:	480	···,	sacks	(or)			ft3		
Top of Cement:	Surface		•	()	• <u> </u>				
Method Determined:	Visual		-						
			•						
			P	roduction	Casing				
Hole Size:	7-7/8"		-						
Casing Size:	4-1/2" @ 30	600'	_						
Cemented with:	1000		sacks	(or)			ft3		
Top of Cement:	Unknown		-						
Method Determined:			_						
Total Depth:	3600'		-						
				<u>Tubing D</u>	<u>etail</u>				
Tubing Size:	2-3/8"								
Lining Material:			-						
Type of Packer:									
Packer Setting Depth:	3140'		_						
Other Type of Tubing	/Casing Sea	l (if applica	able):					- <u>-</u>	
Addtitional Data									
1. Is this a new well of	drilled for inj	ection?			No				
If no, for what purpos	e was the w	ell originall	y drilled'	?	Oil and gas	S			
2. Name of the Inject	tion Formation	on:			n/a				
3. Name of Field or F	Pool (if appli	cable):	<u> </u>		Jalmat Tar	sil-Yates	-Seven Rive	rs	
4. Has the well ever I.e. sacks of cement			other zo	one(s)? List	all such perfo	rated inte	rvals and giv	ve plugging	detail,
5. Give the name an Jalmat Yates Gas Zo	•			s underlying	g or overlying t	he propos	sed injection	zone in this	area:
Completion Record									
	-								

Perfs:	3164'-3429', PBTD 3547'
Acid, Shot, Fracture, Squeeze:	Acidize 5500 gals. 7-1/2% MSR-100
	Frac 40,000 gals YF3PSD w/ 85,000# 20/40 & 50,000# 10/20 & 50 scf/bbl N2

OPERATOR:		Grace Pet	roleum C	orp.	<u> </u>					
WELL NAME & NUM	BER: S	State of New Mexico A A/C-1 #6								
WELL LOCATION:	990' FNL, 9	90' FEL			Α	22	T-23-S	R-36-E	Lea	
•	(Foolage Location)				(Unit Letter)	(Section)	(Township)	(Range)	(County)	
			WELL (CONSTRUC	TION DATA					
				<u>Surface Ca</u>	sing					
Hole Size:	12"		_							
Casing Size:	8-5/8" @ 33	1'	-							
Cemented with:	170		sacks							
Top of Cement:	Surface		_							
Method Determined: Visual										
	7 7/08		<u>P</u>	roduction (Casing					
Hole Size:	7-7/8"	001	-							
Casing Size:	4-1/2" @ 32	93	-							
Cemented with:	175		_sacks							
Top of Cement: Method Determined:	n/a		-							
Total Depth:	3300'		-							
			-							
Addtitional Data										
1. Is this a new well	drilled for inje	ction?	Νο							
If no, for what purpos	se was the we	ll original	ly drilled?)	Oil and gas	S				
2. Name of the Inject	tion Formatio	n:	n/a							
3. Name of Field or	Pool (if applic	able):	Jalmat Tansil-Yates-Seven Rivers							
4. Has the well ever	been perfora	ted in any	/ other zo	ne(s)? List	all such perfo	rated inter	vals and oiv	e plugging	detail	
I.e. sacks of cement		-	,							
Old perfs @ 3038'-3			follows:							
Set CIBP @ 3000' w										
Set cmt plug @ 250			(TOC 23	90')						
Set cmt plug @ 381'			<u> </u>							
	dditional 35 s)					
	5 sx cmt @ 2				<u> </u>					
<u></u>	<u>₹</u>	· · · · · · · · · · · · · · · · · · ·			<u></u>	<u> </u>				
5. Give the name ar	•	•	_	s underlying	or overlying t	he propose	ed injection	zone in this	area:	
Jalmat Yates Gas Zo	one, Top @ a	pprox. 30	40'							

Completion Record

 Perfs:
 3038'-3149'

 Acid, Shot, Fracture, Squeeze:
 1000 gals. Acid, 10,000 gals. Gelled MS acid, 15,000# sand

OPERATOR:		Raptor Res	ources						
WELL NAME & NUM	BER:	State of Ne	w Mexico	A A/C-1	#97		<u> </u>	<u></u>	. <u> </u>
WELL LOCATION:	1980' FNL	, 1980' FWL			F	22	T-23-S	R-36-E	Lea
•	(Footage Location	ן (ו			(Unit Letter)	(Section)	(Township)	(Range)	(County)
			WELL C	ONSTRU	CTION DATA				
			5	Surface C	asing				
Hole Size:	13-3/4"								
Casing Size:	9-5/8" @ 3	23	aaaka	(07)			#2		
Cemented with: Top of Cement:	300 Surface		sacks	(or)			_ft3		1
Method Determined:	Visual	<u>_</u>							
Method Determined.	<u>visuai</u>								
			Pr	oduction	Casing				
Hole Size:	8-3/4"								
Casing Size:	7" @ 3635	5'							
Cemented with:	250		sacks	(or)			_ft3		
Top of Cement:	Unknown								
Method Determined:			•						
Total Depth:	3645'								
Addtitional Data									
1. Is this a new well of	drilled for in	jection?			No				
If no, for what purpos	e was the v	vell originall	y drilled?		Oil and ga	s		·····	
2. Name of the Inject					n/a				
3. Name of Field or I	Pool (if appl	icable):	<u></u>		Jalmat Tar	nsil-Yates-	Seven Rive	rs	<u></u>
4. Has the well ever I.e. sacks of cement	-	•	other zor	ne(s)? Lis	t all such perfo	rated inter	rvals and giv	ve plugging	detail,
5. Give the name an Jalmat Yates Gas Zo	•	• •		underlyin	g or overlying t	he propos	ed injection	zone in this	area:
Completion Record				1					
Perfs:		3568'-359	4', 3086'-:	3228'					
Acid, Shot, Fracture,	Squeeze:				o. 3 charges			······	,
					10,000 gals. lea	ase crude	& 10,000# s	and	
		Sand oil tr	eat 3086'	-3228' w/2	20,000 gals. lea	ase crude	& 60,000# s	and	

.

OPERATOR:	Grace Petr	roleum Cor	rp.	<u></u>			····	
WELL NAME & NUM	BER: State of No	ew Mexico	AA #5					
WELL LOCATION:	1980' FNL, 1980' FEL			G	22	T-23-S	R-36-E	Lea
	(Foolage Location)			(Unit Letter)	(Section)	(Township)	(Range)	(County)
		WELL CO	ONSTRUCTI	ON DATA				
		<u>S</u>	<u>urface Casii</u>	<u>19</u>				
Hole Size:	9-7/8"	_						
Casing Size:	7" @ 336'	-						
Cemented with:	200	sacks						
Top of Cement:	Surface	_						
Method Determined:	Visual	-						
Hole Size:	6-1/4"	<u>Pro</u>	oduction Ca	<u>sing</u>				
	<u></u>	-						
Casing Size:		- aaaka						
Cemented with:	200	sacks						
Top of Cement:	n/a	-						
Method Determined:	0774	-						
Total Depth:	3774'	-						
Addtitional Data								
1. Is this a new well	drilled for injection?			No				
If no, for what purpos	e was the well original	ly drilled?		Oil and gas	3		·····	
2. Name of the Inject		<u></u>		n/a	·····			
3. Name of Field or	Pool (if applicable):	<u></u>		Langlie Ma	ttix Seven	Rivers-Que	en-Graybu	g
4. Has the well ever	been perforated in any	other zon	e(s)? List all	such perfo	rated inter	vals and giv	e plugging	detail,
I.e. sacks of cement	or plug(s) used.							
Old perfs @ 3713'-37	721' & 3729'-3735'. PA	<u>vd 5-15-79</u>	as follows:					
Set CIBP @ 3650' w/	4 sx cmt on top							
Set cmt plug @ 2600)' w/ 50 sx cmt. (TOC 2	2500')						
Set cmt plug @ 336'	w/ 25 sx cmt. on top							
and the second sec	5 sx cmt @ 336' (TOC							
spotted 1	5 sx cmt @ 170' to sur	face.						
		<u></u>					<u> </u>	
5. Give the name an	nd depths of any oil or g	jas zones i	underlying or	overlying th	he propose	ed injection	zone in this	area:
Jalmat Yates Gas Zo	one, Top @ approx. 30	40'	<u></u>					

Completion Record

Perfs:	3678'-3700', 3713'-3721', 3729'-3739'
Acid, Shot, Fracture, Squeeze:	Treated 3678'-3700' w/15,000 gal. refined oil & 30,000# sand
	Broke down 3713'-3721' & 3729'-3739' w/lease crude

OPERATOR:		Doyle Hart	man						
WELL NAME & NUM	BER:	State of Ne	ew Mexico	o AA #1					
WELL LOCATION:	1980' FNL	, 660' FEL			н	22	T-23-S	R-36-E	Lea
	(Footage Location	n)			(Unit Letter)	(Section)	(Township)	(Range)	(Counly)
			WELL C	ONSTRU	CTION DATA				
Hole Size:	13-3/4		2	Surface Ca	asing				
Casing Size:	10-3/4" @	305.26'	-						
Cemented with:	300		- sacks	(or)			ft3		
Top of Cement:	Surface		-	• •			_		
Method Determined:	Visual		-						
			<u>Pr</u>	roduction	<u>Casing</u>				
Hole Size:	8-3/4"		-						
Casing Size:	7" @ 2906)'	-						
Cemented with:	2350		sacks	(or)	<u> </u>		_ft3		
Top of Cement:	n/a		-						
Method Determined:	24201		-						
Total Depth:	3130'		-						
Addtitional Data									
1. Is this a new well	drilled for in	jection?			No				_
If no, for what purpos	se was the v	vell originall	y drilled?		Oil and gas	3			
2. Name of the Injec	tion Format	ion:			n/a				
3. Name of Field or I	Pool (if appl	icable):	<u></u>		Jalmat Tan	sil-Yates-	Seven Rive	rs	
4. Has the well ever I.e. sacks of cement	•	•	other zoi	ne(s)? Lis	t all such perfo	rated inte	rvals and giv	ve plugging	detail,
• <u> </u>									
5. Give the name an Jalmat Yates Gas Zo				underlying	g or overlying th	he propos	ed injection	zone in this	area:
Jaimat Tates Gas Zt	nie, rop @		+0						
Completion Record	!								
Perfs:		Open hole	e 2906'-31	130'					
Acid, Shot, Fracture,	Squeeze:	None		·····	······		······		

OPERATOR:		Grace Pet	roleum Co	orp.					
WELL NAME & NUM	BER:	State of N	ew Mexico	D AA #3					
WELL LOCATION:	2310' FNL	, 330' FEL			н	22	T-23-S	R-36-E	Lea
	(Footage Locatio				(Unil Letter)	(Section)	(Township)	(Range)	(County)
			WELL C	ONSTRU	CTION DATA				
				Surface C	asina				
Hole Size:	9-7/8"		-						
Casing Size:	7-5/8" @ 3	328'	-						
Cemented with:	175		- sacks	(or)			ft3		
Top of Cement:	Surface		-		<u></u>		_		
Method Determined:	Visual		-						
	· · ·		-						
			Pr	oduction	Casing				
Hole Size:	6-3/4"		_						
Casing Size:	2-7/8" @ 3	3629'	-						
Cemented with:	200		sacks	(or)			ft3		
Top of Cement:	n/a		_				_		
Method Determined:									
Total Depth:	3630'		-						
Addtitional Data									
1. Is this a new well	drilled for in	jection?			No				
If no, for what purpos		-	ly drilled?		Oil and gas	s			
2. Name of the Inject	tion Format	tion:	•		n/a				
3. Name of Field or	Pool (if app	licable):		·····	Langlie Ma	attix Seve	n Rivers-Que	en-Graybu	rg
4. Has the well ever	been perfo	rated in any	other zor	ne(s)? Lis	t all such perfo	brated inte	rvals and give	ve plugging	detail.
I.e. sacks of cement	-	-		.,	·				
Old perfs @ 3613'-30			ollows:		,,,,,,,,				
Set 100' cmt plug 50				b @ 2050	'w/ 30 sx (TOC	C 1950')			
Set 100' cmt plug @									······
Spot 15 sx cmt @ su									
5. Give the name an Jalmat Yates Gas Zo	•	•	-	underlyin	g or overlying t	he propos	sed injection	zone in this	area:
			<u> </u>				······································		
<u></u>									

Completion Record

Perfs:	3613'-3621'
Acid, Shot, Fracture, Squeeze:	Frac w/ 15,000 gal refined oil & 30,000# sand

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OPERATOR:	Clayton W	illiams Er	ergy					
WELL NAME & NUM	BER: State of Ne	ew Mexic	o A A/C-1 #	1	=			
WELL LOCATION:	330' FSL, 2310' FWL			N	22	T-23-S	R-36-E	Lea
	(Footage Location)			(Unit Letter)	(Section)	(Township)	(Range)	(County)
		WELL C	ONSTRUC	TION DATA				
		5	Surface Cas	sing				
Hole Size:	Unknown	_						
Casing Size:	7" @ 4234'	-						
Cemented with:	Unknown	sacks	(or)			_ft3		
Top of Cement:	Surface	-						
Method Determined:	Visual							
	•							
		Pr	roduction C	asing				
Hole Size:		_						
Casing Size:		_						
Cemented with:		sacks	(or)		·	_ft3		
Top of Cement:		-						
Method Determined:	<u></u>	-						
Total Depth:	5095' OWDD	-						
Addtitional Data								
1. Is this a new well	drilled for injection?			No				
	e was the well original	ly drilled?		Oil and gas	S			
2. Name of the Injec	tion Formation:			n/a				
3. Name of Field or I	Pool (if applicable):			Jalmat Tar	nsil-Yates-	Seven Rive	rs	
4. Has the well ever	been perforated in any	other zo	ne(s)? List a	all such perfo	rated inter	vals and giv	e plugging	detail,
I.e. sacks of cement	or plug(s) used.							
PB from 5095' to 362			······································		<u> </u>			
	575', P&A'd 6-22-93 as	follows:				<u></u>		
Set CIBP at 3120' w/		10110110.		·····				
	it 370'. Pumped 130 s	x cmt dov	vn 7" casing	and up 7" / 9	-5/8" anni	ilus		
Circulate 10 sx to su			<u></u>	خيرن حيالت غينت				
E. Cive the name of	d dontho of ony oil or o		underly in a		.			
	id depths of any oil or g one, Top @ approx. 30		underlying	or overlying ti	ne propos	ed injection	zone in this	area:
	,, & oppion. 00	· -				· <u> </u>		
			<u> </u>					
Completion Record	!							

Perfs: 3465'-3475', 3505'-3515', 3550'-3560', 3565'-3575'

Acid, Shot, Fracture, Squeeze: Unknown

OPERATOR:	Gruy Petro	pleum Mai	nagement	<u></u>				
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)			(Unit Letter)	(Section)	(Township)	(Range)	(County)
		WELL C	ONSTRUC	TION DATA				
		2	<u>Surface Ca</u>	<u>ising</u>				
Hole Size:	17-1/2"	-						
Casing Size:	13-3/8" @ 287'	-						
Cemented with:	350	sacks	(or)			_ft3		
Top of Cement:	Surface	-						
Method Determined:	Visual	_						
		Int	<u>ermediate</u>	Casing				
Hole Size:	11-1/4"			<u></u>				
Casing Size:	8-5/8" @ 1213'							
Cemented with:	500	- sacks	(or)			ft3		
Top of Cement:	Unknown	_ 000.00	(0))					
Method Determined:		-						
		-						
		<u>P1</u>	roduction	Casing				
Hole Size:	7-7/8"	_						
Casing Size:	5-1/2" @ 3425'							
Cemented with:	750	sacks	(or)			ft3		
Top of Cement:	Unknown							
Method Determined:		_						
Total Depth:	3426'	-						
Addtitional Data								
1. Is this a new well	•			No				
• • •	se was the well origina	lly drilled?	·····	Oil and ga	S			
2. Name of the Inject				n/a				
3. Name of Field or I	Pool (if applicable):		<u></u>	Jalmat Tar	nsil-Yates	-Seven Rive	rs	
	been perforated in any	y other zo	ne(s)? List	all such perfo	rated inte	rvals and give	ve plugging	detail,
I.e. sacks of cement	or plug(s) used.			n/a	<u> </u>			
5. Give the name an	d depths of any oil or	gas zones	underlying	or overlying t	he propos	sed injection	zone in this	area:
	one, Top @ approx. 30						·	
								······································
Completion Record	!							

Perfs:	3017'-3068', 3400'-3420'
Acid, Shot, Fracture, Squeeze:	Sand-frac w/ 10,000 gal., 1# per gal. sand to oil

OPERATOR:		Raptor Re	sources						
WELL NAME & NUM	BER:	State of No	ew Mexico	A A/C-	1 #98			·	
WELL LOCATION:	660' FNL,	2310' FEL			В	23	T-23-S	R-36-E	Lea
	(Footage Locatio	n)			(Unit Letter)	(Section)	(Township)	(Range)	(County)
			WELL C	ONSTR	UCTION DATA				
				Surface	Casing				
Hole Size:	12-1/4"		-		Casing				
Casing Size:	8-5/8" @ 3	323'	-						
Cemented with:	300		- sacks	(or)			ft3		
Top of Cement:	Surface		_		<u></u>				
Method Determined:	Visual		-		•				
			Pre	oductio	n Casing				
Hole Size:	7-7/8"								
Casing Size:	5-1/2" @	3580'	-						
Cemented with:	250		sacks	(or)			_ft3		
Top of Cement:	Unknown		-						
Method Determined:			-						
Total Depth:	3595'		-						
Addtitional Data									
1. Is this a new well	drilled for ir	jection?			No				
If no, for what purpos	se was the v	well original	y drilled?		Oil and gas	S			
2. Name of the Injec	tion Forma	tion:			n/a				
3. Name of Field or I	Pool (if app	licable):			Langlie Ma	attix Sever	Rivers-Que	en-Graybu	g
4. Has the well ever I.e. sacks of cement			other zon	ie(s)? L	ist all such perfo	rated inter	vals and giv	ve plugging	detail,
5. Give the name an Jalmat Yates Gas Zo	•	•		underlyi	ng or overlying ti	he propos	ed injection	zone in this	area:
Completion Record	!		· <u> </u>						
Perfs:		Open hole	3580'-35	95'					
Acid, Shot, Fracture,	Squeeze:	Open hole	e Vibro-fra	c @ 357	'8'-3582' w/ 3 No	. 3 charge	es		
		Sand oil tr	eat w/10,0	000 gals	. lease crude & '	10,000# sa	and w/ 500#	Adomite	

OPERATOR:		Raptor Res	sources						
WELL NAME & NUM	BER:	State of Ne	ew Mexico	A A/C-1 #	73				<u>~</u> _
WELL LOCATION:	660' FNL,	1980' FWL			С	23	T-23-S	R-36-E	Lea
	(Footage Locatio	n)			(Unit Letter)	(Section)	(Township)	(Range)	(County)
			WELL CO	ONSTRUC	TION DATA				
			s	urface Ca	sing				
Hole Size:	13-3/4"								
Casing Size:	9-5/8" @ 3	325'							
Cemented with:	300		sacks	(or)			_ft3		
Top of Cement:	Surface								
Method Determined:	Visual	<u> </u>							
			Pro	oduction (Casing				
Hole Size:	8-3/4"								
Casing Size:	7" @ 353	7'	-						
Cemented with:	250		sacks	(or)			ft3		
Top of Cement:	Unknown		_				-		
Method Determined:			_						
Total Depth:	3577'		-						
Addtitional Data									,
1. Is this a new well	drilled for ir	jection?			No				
If no, for what purpos	e was the v	vell originall	y drilled?		Oil and gas	5			
2. Name of the Injec	tion Forma	lion:			n/a				
3. Name of Field or I	Pool (if app	licable):			Langlie Ma	ttix Seven	Rivers-Que	een-Graybu	rg
4. Has the well ever I.e. sacks of cement	•	-	other zon	e(s)? List	all such perfor	rated inter	vals and giv	ve plugging	detail,
5. Give the name an Jalmat Yates Gas Zo	•	• •		underlying	or overlying th	ne propose	ed injection	zone in this	area:
		·			·	<u>-</u>			
Completion Record	!								
Perfs:		Open hole	3527'-35	77'					
Acid, Shot, Fracture,	Squeeze:	Open hole	sand jette	ed at 3554	for 2 hrs.				
		SOT w/ 10),000 gal.	refined oil	& 10,000# sar	nd			

OPERATOR:		Raptor Res	sources						
WELL NAME & NUM	BER:	State of Ne	ew Mexico	D A A/C-1	#65		·····		- <u></u>
WELL LOCATION:	660' FNL,	760' FWL			D	23	T-23-S	R-36-E	Lea
,	(Foolage Locatio	n)			(Unit Letter)	(Section)	(Township)	(Range)	(County)
			WELL C	ONSTRU	JCTION DATA				
			9	Surface (Casing				
Hole Size:	13-1/4"		-						
Casing Size:	9-5/8" @ 3	35'	•						
Cemented with:	300		sacks	(or)			ft3		
Top of Cement:	Surface								
Method Determined:	Visual		ŀ						
		_	-						
			<u>Pr</u>	oductior	Casing				
Hole Size:	8-3/4"		_						
Casing Size:	7" @ 3537	n 	-						
Cemented with:	250		sacks	(or)			_ft3		
Top of Cement:	Unknown		_						
Method Determined:			-						
Total Depth:	3569'		-						
Addtitional Data									
1. Is this a new well	drilled for in	jection?			No				
If no, for what purpos	e was the v	vell original	y drilled?		Oil and gas	s			
2. Name of the Injec	tion Format	ion:	<u></u>		n/a				
3. Name of Field or I	Pool (if appl	icable):	<u></u>		Langlie Ma	ttix Seven	Rivers-Que	en-Graybur	g
4. Has the well ever	been perfo	ated in any	other zor	n e(s)? Li	st all such perfo	rated inter	rvals and giv	ve plugging	detail,
I.e. sacks of cement	or plug(s) u	sed.			<u></u>	·	<u></u>		~
							. <u> </u>		
5. Give the name an	•			underlyir	ng or overlying th	ne propos	ed injection	zone in this	area:
Jalmat Yates Gas Zo	one, Top @	approx. 304	40'						
Completion Record	!			<u> </u>				<u> </u>	
Perfs:		Open hole	3537'-35	69'					
Acid, Shot, Fracture,	Squeeze:	Open hole	e perforati	on w/Abr	asi Jet @ 3562'	w/10,000	gals. refine	d oil & 10,00	0# sand

OPERATOR:		Raptor Re	sources	Inc.	<u>, a</u> . ,,	<u></u>			
WELL NAME & NUM	BER:	State of Ne	ew Mexi	co A A/C-1	¥72				
WELL LOCATION:	1980' FNL, (Footage Location)				E (Unit Letter)	23 (Section)	T-23-S (Township)	R-36-E (Range)	Lea (County)
			WELL	CONSTRU	CTION DATA				
				Surface Ca	sing				
Hole Size:	13-3/4"	<u> </u>	•						
Casing Size:	9-5/8" @ 32	28'					4 2		
Cemented with: Top of Cement:	300 Surface		sacks	(or)			_ft3		
Method Determined:	Visual	- <u>- ·</u>	 -						
			F	Production	Casing				
Hole Size:	8-3/4"		<u>'</u>	Todaction	Casing				
Casing Size:	7" @ 3560'		-						
Cemented with:	250		sacks	(or)			ft3		
Top of Cement:	Unknown		-						
Method Determined:			-						
Total Depth:	3587'		-						
Tubing Size: Lining Material: Type of Packer: Packer Setting Depth: Other Type of Tubing	2-3/8"@ 33		- - able):	<u>Tubing D</u>	<u>etail</u> 				
Addtitional Data									
1. Is this a new well	drilled for inj	ection?			No				
If no, for what purpos		-	ly drilled	l?	Oil and ga	S			
2. Name of the Injec					n/a				
3. Name of Field or I	Pool (if appli	cable):			Jalmat Tar	nsil-Yates	-Seven Rive	rs	
4. Has the well ever I.e. sacks of cement	•	-	other z	one(s)? Lis	t all such perfo	orated inte	rvals and giv	ve plugging	detail,
5. Give the name an Jalmat Yates Gas Zo	-		-	es underlying	g or overlying t	he propos	sed injection	zone in this	area:
Completion Record	 !	<u></u>		<u></u>					
Perfs:		Open hole	a 3560'-:	3587': PBTC) 3513'; 3506'-:	3482'			
Acid, Shot, Fracture,	Squeeze:			etted @ 356				<u></u>	
	-		SOT w	v/10,000 gal	s refined oil &	10,000# s	and		·
·	·	3506'-348	2' 1750	gal. 7.5% H	CIW / 100 BS				

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

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OPERATOR:	Raptor	Resources I	nc.					
WELL NAME & NUM	BER: State of	New Mexic	o A A/C-1 #	27				
WELL LOCATION:	1650' FNL, 1650' F	WL		F	23	T-23-S	R-36-E	Lea
	(Footage Location)			(Unit Letter)	(Section)	(Township)	(Range)	(County)
		WELL C	ONSTRUC	TION DATA				
			<u>Surface Ca</u>	sina				
Hole Size:	17 "	•						
Casing Size:	12-1/2" @ 276'							
Cemented with:	350	sacks	(or)			ft3		
Top of Cement:	Surface					-		
Method Determined:	Visual							
		Pi	roduction (Casing				
Hole Size:	11"							
Casing Size:	8-5/8" @ 2880'							
Cemented with:	600	sacks	(or)			ft3		
Top of Cement:	Unknown							
Method Determined:								
Total Depth:	3670' OWDD							
Addtitional Data								
1. Is this a new well	drilled for injection?			No				
If no, for what purpos	e was the well origi	nally drilled?)	Oil and gas	s			
2. Name of the Injec	tion Formation:			n/a				
3. Name of Field or I	Pool (if applicable):	- <u>-</u>		Jalmat Tar	nsil-Yates-	Seven Rive	rs	······································
4. Has the well ever I.e. sacks of cement		any other zo	ne(s)? List	all such perfo	rated inter	rvals and giv	/e plugging (detail,
5. Give the name an Jalmat Yates Gas Zo		•	underlying	or overlying t	he propos	ed injection	zone in this	area:
Completion Record						<u> </u>		<u> </u>
Perfs:	Open h	nole 2880'-30	670'					
Acid, Shot, Fracture,	Squeeze: Origina	I TD 3260';	well shut in		······		·······	
		ning to 3670		9-10-51				

OPERATOR:	Raptor Res	sources I	nc.					
WELL NAME & NUM	BER: State of Ne	w Mexic	o A A/C-1 #84	<u>ا</u>				
WELL LOCATION:	1980' FNL, 2310' FEL (Foolage Location)	, <u>, , , , , , , , , , , , , , , , </u>		G (Unit Letler)	23 (Section)	T-23-S (Township)	R-36-E (Range)	Lea (County)
		WELL C	CONSTRUCT	ION DATA				
			Surface Casi	ng				
Hole Size: Casing Size: Cemented with: Top of Cement: Method Determined:	12-1/4" 9-5/8" @ 334' 300 Surface Visual	sacks	(or)			_ft3		
		P	roduction Ca	sina				
Hole Size: Casing Size: Cemented with: Top of Cement: Method Determined: Total Depth:	8-3/4" 7" @ 3529' 250 Unknown 3585'	sacks	(or)			_ft3		
	0.0/07		Tubing Deta	<u>ail</u>				
Tubing Size: Lining Material: Type of Packer: Packer Setting Depth: Other Type of Tubing	2-3/8" 2918' /Casing Seal (if applica	able):		-				
Addtitional Data								
1. Is this a new well	drilled for injection?			No				
	e was the well original	y drilled?	·	Oil and gas	3			
 Name of the Inject Name of Field or I 				_n/a Jalmat Tar	sil-Yates	-Seven Rive		
	been perforated in any	other zo	ne(s)? List al		·	···		detail,
	id depths of any oil or g one, Top @ approx. 304		s underlying o		•••	ed injection		area:
Completion Record	!	<u></u>				· · · · · · · · · · · · · · · · · · ·		<u> </u>
Perfs:	Open hole	3519'-3	585'; PBTD 3	380': 2918'-3	3123'			

Sand	-oil treat w/ 10,000 gals. Refined oil & 10,000# sand
2918'-3123' Acic	dize w/ 1500 gals. Frac w/ 1400 bbl. & 200,000# 12/30 sand

Acid, Shot, Fracture, Squeeze: Open hole Vibro-fraced @ 3548'-51' w/3 No. 3 charges

OPERATOR:		Raptor Res	ources Ir	1C.		<u> </u>			
WELL NAME & NUM	BER:	State of Ner	w Mexico	A A/C-1	#26				
WELL LOCATION:	1650' FNL	, 1650' FEL			G	23	T-23-S	R-36-E	Lea
•	(Footage Location))		<u> </u>	(Unit Letter)	(Section)	(Township)	(Range)	(County)
			WELL C	ONSTRU	ICTION DATA				
			5	Surface (Casing				
Hole Size:	Unknown		-						
Casing Size:	13-3/8" @	269'							
Cemented with:	Unknown		sacks	(or)			ft3		
Top of Cement:	Surface						<u> </u>		
Method Determined:	Visual								
			Pr	oduction	Casing				
Hole Size:	Unknown								
Casing Size:	8-5/8" @ 2	2777'							
Cemented with:	Unknown		sacks	(or)			ft3		
Top of Cement:	Unknown					·····	-		
Method Determined:									
Total Depth:	3148'								
Addtitional Data									
1. Is this a new well of	drilled for in	jection?			No				
If no, for what purpos	e was the v	vell originally	/ drilled?		Oil and gas				
2. Name of the Injec	tion Format	ion:			n/a				
3. Name of Field or I	⊃ool (if appl	icable):			Jaimat Tan	sil-Yates	Seven Rive	rs	
4. Has the well ever I.e. sacks of cement	•	-	other zor	ne(s)? Li	st all such perfo	rated inte	rvals and giv	ve plugging	detail,
5. Give the name an Jalmat Yates Gas Zo				underlyir	ig or overlying th	ne propos	ed injection	zone in this	area:
•••									
Completion Record									
Perfs:		Open hole	2777'-31	48'					
Acid, Shot, Fracture,	Squeeze:	None							

OPERATOR:		Raptor Re	sources Ir	nc.			·	. <u></u>	
WELL NAME & NUM	BER:	State of Ne	ew Mexico	D A A/C-1	#105				
WELL LOCATION:	2080' FNL	. 660' FEL			н	23	T-23-S	R-36-E	Lea
· · · · · · · · · · · · · · · · · · ·	(Footage Location				(Unit Letler)	(Section)	(Township)	(Range)	(County)
			WELL C	ONSTRI	JCTION DATA				
			5	Surface (Casing				
Hole Size:	11"		-		<u></u>				
Casing Size:	7-5/8" @ 3	23'	-						
Cemented with:	250		sacks	(or)			_ft3		
Top of Cement:	Surface		_				-		
Method Determined:	Visual								
			-						
			Pr	oductio	n Casing				
Hole Size:	6-3/4"		<u></u>						
Casing Size:	4-1/2" @ 3	669'	-						
Cemented with:	250		sacks	(or)			ft3		
Top of Cement:	Unknown		-						
Method Determined:			_						
Total Depth:	3669'		-						
Addtitional Data									
1. Is this a new well	drilled for in	jection?			No				
If no, for what purpos	e was the v	vell original	ly drilled?		Oil and gas	3			
2. Name of the Injec	tion Format	ion:			n/a				
3. Name of Field or I	Pool (if appl	icable):			Jalmat Tan	sil-Yates-	Seven Rive	rs	
4. Has the well ever I.e. sacks of cement	-	-	other zor	ne(s)? Li	st all such perfo	rated inter	rvals and giv	ve plugging	detail,
									·····
5. Give the name an Jalmat Yates Gas Zo	•			underlyii	ng or overlying th	ne propos	ed injection	zone in this	area:
	·								
Completion Record	!								
Perfs:		Unknown	perfs; oil	zone @	3646'-3650'				
Acid, Shot, Fracture,	Squeeze:				IE acid w/ 20 bal	lls			

OPERATOR:	Arco Per	rmian			<u> </u>		<u> </u>	
WELL NAME & NUM	BER: Sinclair	A State #1						
WELL LOCATION:	1650' FSL, 990' FE	L		1	23	T-23-S	R-36-E	Lea
•	(Foolage Location)			(Unit Letter)	(Section)	(Township)	(Range)	(Counly)
		WELLO	ONSTRU	CTION DATA				
			Surface Ca					
Hole Size:	Unknown	2		ISIIIY				
Casing Size:	10-3/4" @ 225'							
Cemented with:	Unknown	 sacks	(or)			ft3		
Top of Cement:	Surface					-		
Method Determined:	Visual							
		<u>Int</u>	<u>ermediate</u>	Casing				
Hole Size:	Unknown							
Casing Size:	7-5/8" @ 1235'							
Cemented with:	Unknown	sacks	(or)			_ft3		
Top of Cement:	Unknown							
Method Determined:	<u> </u>							
		Pi	roduction	Casing				
Hole Size:	Unknown	<u>نى</u>	ougenen	<u>ouoing</u>				
Casing Size:	5-1/2" @ 2770'	··						
Cemented with:	Unknown	sacks	(or)			ft3		
Top of Cement:	Unknown		、 ,					
Method Determined:								
Total Depth:	3300'							
Addtitional Data								
1. Is this a new well	drilled for injection?			No				
If no, for what purpos	se was the well origir	ally drilled?		Oil and ga	S			
2. Name of the Injec	tion Formation:			n/a				
3. Name of Field or I	Pool (if applicable):			Jalmat Tai	nsil-Yates	-Seven Rive	ers	
4. Has the well ever	been perforated in a	ny other zo	ne(s)? Lisi	all such perfo	brated inte	ervals and gi	ve plugging	detail,
I.e. sacks of cement	or plug(s) used.						······	
			······			······		
5. Give the name an Jalmat Yates Gas Zo	• •		underlying	g or overlying t	he propos	sed injection	zone in this	area:
Completion Record	!							
Perfs:	Open h	ole 2770'-3:	300'					

Acid, Shot, Fracture, Squeeze: None

OPERATOR:		Arco Perm	ian						
WELL NAME & NUM	BER:	Sinclair A	State #5		<u></u>				
WELL LOCATION:	1980' FSL	, 660' FEL			1	23	T-23-S	R-36-E	Lea
•	(Foolage Locatio	n)			(Unit Letter)	(Section)	(Township)	(Range)	(County)
			WELL C	ONSTRUC	TION DATA				
Hole Size:	11"		3	Surface Ca	sing				
Casing Size:	8-5/8" @ 2	290'							
Cemented with:	200		sacks	(or)			ft3		
Top of Cement:	Surface						-		
Method Determined:	Visual								
			-						
			D=	advation (a nina				
Hole Size:	7-7/8"		<u> </u>	oduction C	asing				
Casing Size:	4-1/2" @ 3	3755'	-						
Cemented with:	1290		- sacks	(or)			ft3		
Top of Cement:	Unknown		-	. ,					
Method Determined:			-						
Total Depth:	3755'		-						
	·····		-						
Additional Data									
1. Is this a new well	drilled for in	jection?			No				
If no, for what purpos		-	y drilled?		Oil and gas	S			
2. Name of the Injec	tion Format	ion:			n/a			·	
3. Name of Field or I	Pool (if appl	icable):	<u></u>		Langlie Ma	ttix Sever	n Rivers-Que	een-Graybu	rg
4. Has the well ever I.e. sacks of cement	•	-	other zor	e(s)? List	all such perfo	rated inte	rvals and giv	ve plugging	detail,
			·						
5. Give the name an Jalmat Yates Gas Zo	•			underlying	or overlying t	he propos	ed injection	zone in this	area:
Completion Record	!								
Perfs:		3695'-369	9', 3666'-:	3668'. 3642	'-3648', 3570'	-3578'. 35	548'-3552'		
Acid, Shot, Fracture,	Squeeze:	3695'-369				,			
		3666'-366	8' acidize	d 250 gals.					
				d 250 gals.					
		3570'-357							
		3548'-355	2' acidize	d 250 gals.					

.

OPERATOR:	Arco Perm	nian						
WELL NAME & NUM	BER: Sinclair A	State #10	0					
WELL LOCATION:	990' FSL, 990' FWL			М	23	T-23-S	R-36-E	Lea
	(Footage Location)			(Unil Leller)	(Section)	(Township)	(Range)	(County)
		WELL	CONSTRU	CTION DATA				
			Surface Ca	asina				
Hole Size: Casing Size: Cemented with: Top of Cement: Method Determined:	12-1/4" 8-5/8" @ 340' 200 Surface Visual	sacks	(or)			_ft3		
		P	Production	Casing				
Hole Size:	7-7/8"	-		<u> </u>				
Casing Size: Cemented with:	<u>5-1/2" @ 3550'</u> 700	_ sacks	(or)			ft3		
Top of Cement:	Unknown	_ 30013	(01)	<u> </u>		_110		
Method Determined:		_						
Total Depth:	3550'	_						
			<u>Tubing D</u>	etail				
Tubing Size:	2-3/8" @ 3241'	-						
Lining Material: Type of Packer:								
Packer Setting Depth:		_						
Other Type of Tubing	g/Casing Seal (if applic	able):					······································	
Addtitional Data								
1. Is this a new well	drilled for injection? se was the well original	lly drilled	2	No Oil and ga				····
2. Name of the Inject	-	ny urmeu	·	n/a	5			
3. Name of Field or				Jalmat Tar	nsil-Yates-	Seven Rive	rs	
4. Has the well ever l.e. sacks of cement	been perforated in any or plug(s) used.	y other zo		t all such perfo		_	ve plugging	detail,
	nd depths of any oil or gone, Top @ approx. 30	-	es underlying	g or overlying t	he propos	ed injection	zone in this	area:
Completion Record		<u></u>					<u></u>	
Perfs:	2980'-34		ר 3520'					

.

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

OPERATOR:		Arco Perm	ian						
WELL NAME & NUM	BER:	Sinclair A	State #9						
WELL LOCATION:	660' FSL	, 660' FEL			Р	23	T-23-S	R-36-E	Lea
	(Footage Local	ion)			(Unit Letter)	(Section)	(Township)	(Range)	(County)
			WELL (CONSTRUC	TION DATA				
				<u>Surface Ca</u>	<u>sing</u>				
Hole Size:			_						
Casing Size:	8-5/8" @	277'	-						
Cemented with:	150		sacks	(or)			_ft3		
Top of Cement:	Surface		_						
Method Determined:	Visual		-						
	•								
			Þ	roduction C	asina				
Hole Size:	7-7/8"		<u>r</u>		asing				
Casing Size:	4-1/2" @	3750'	-						
Cemented with:	250	0/00	- sacks	(or)			ft3		
Top of Cement:	Unknowr	 1	_	(0.)					
Method Determined:			-						
Total Depth:	3750'		-						
			_						
Addtitional Data									
1. Is this a new well	drilled for i	injection?			No				
If no, for what purpos	se was the	well original	lly drilled?	?	Oil and ga	s			
2. Name of the Inject	tion Forma	ation:			n/a				
3. Name of Field or	Pool (if ap	plicable):	_		Langlie Ma	attix Sever	n Rivers-Qu	een-Graybu	rg
			. 44	(.) 0					
4. Has the well ever	-		y other zo	one(s)? List	all such perto	orated inte	rvais and giv	ve plugging	detail,
I.e. sacks of cement					······				
Old perfs @ 3385'-36 Set CIBP at 3340' w/			the second s				·····		
Set CR at 620' w/ 15									•
Set cmt plug at 550'				urface)					
Oct on plug at 000	W/ 200 3X						······································	·····	
5. Give the name ar Jalmat Yates Gas Zo	•	•	-	s underlying	or overlying t	he propos	sed injection	zone in this	area:
Completion Record	!								
Perfs:	3385'-34	19', 3591'-3	<u>637', 364</u>	6'-3654', 36	64'-3668'				
Acid, Shot, Fracture,	Squeeze:	3664'-366	68' Acidiz	ed w/250 ga	ls. NEA. Rea	cidized w/	1000 gals.		
<u></u> ,		RBP @ 3			4'. Acidized 5		5% NEA.		
					als. 15% retar		<u> </u>		
		CIBP @			05', 3608', 36			8', 3635', 36	37'
					gals. Oil & 2		and		
		CIBP @	3460'. Pe	<u>ərf. 3385'-34</u>	19' (10 shots))			

OPERATOR:	<u> </u>	Raptor Re	sources						
VELL NAME & NUM	BER:	State A A/	C-1 #107	7					
WELL LOCATION:	1980' FSL,	660' FWL			L	24	T-23-S	R-36-E	Lea
	(Foolage Location)			(Unit Letter)	(Section)	(Township)	(Range)	(County)
			WELL	CONSTRU	CTION DATA				
				Surface C	asing				
Hole Size:	11"		_						
Casing Size:	7-5/8" @ 3	25'	-						
Cemented with:	Circulated		sacks	(or)			_ft3		
Top of Cement:	Surface		_						
Method Determined:	Visual								
	·		-						
			Ē	Production	Casing				
Hole Size:	6-3/4"								
Casing Size:	4-1/2" @ 3	664'	_						
Cemented with:	250		sacks	(or)			ft3		
Top of Cement:	2620'		_				_		
Method Determined:			-						
Total Depth:	3664'		-						
				<u>Tubing L</u>	Detail				
Tubing Size:	2-3/8" @ 3	8176'		Tubing					
Lining Material:			-						
Type of Packer:									
Packer Setting Depth:	<u></u>								
Other Type of Tubing	/Casing Se	al (if applic	able):						
			·						
Addtitional Data									
1. Is this a new well	drilled for in	jection?			No				
If no, for what purpos		-	ly drilled	?	Oil and ga	S			
2. Name of the Inject	tion Format	ion:			n/a				
3. Name of Field or I	Pool (if appl	icable):			Jalmat Tai	nsil-Yates	-Seven Rive	ers	
4. Has the well ever			y other z	one(s)? Lis	at all such perfo	brated inte	rvals and gi	ve plugging	detail,
I.e. sacks of cement	or plug(s) u	sed.	<u></u>	<u> </u>			<u> </u>		
5. Give the name an Jalmat Yates Gas Zo	-	-	-	es underlyin	g or overlying t	he propos	sed injection	zone in this	area:
Completion Record	t								
	-								
Perfs:		3515'-364	4', 3306	6'-3351', 29 [.]	12'-3114'; PBTI	D 3400'			

Acid, Shot, Fracture, Squeeze:	3515'-3644' Acidized w/ 1500 gals. SOT w/ 20,000 gals. & 20,000# & 30 balls
	3306'-3351' Frac w/ 12,500 gal & 24,500#
	2912'-3114' Frac w/ 60,500 gals. & 118,600#

/ELL NAME & NUM	BER: Lankford	d #3						
VELL LOCATION:	660' FNL, 660' FW	L		D	25	T-23-S	R-36-E	Lea
	(Foolage Localion)			(Unit Letter)	(Section)	(Township)	(Range)	(County)
		WELL	CONSTRUC	TION DATA				
			<u>Surface Ca</u>	ising				
lole Size:	12-1/4"							
asing Size:	8-5/8" @ 1211'							
Cemented with:	850	sacks	(or)			_ft3		
op of Cement:	Surface							
lethod Determined:	Visual	·						
			Production	Casing				
lole Size:	7-7/8"	<u> </u>	Toduction	Justing				
Casing Size:	5-1/2" @ 3724'							
cemented with:	850	 sacks	(or)			ft3		
op of Cement:	Unknown		(•••)					
lethod Determined:								
otal Depth:	3750'							
otal Deptil.	<u> </u>							
			<u>Tubing D</u>	<u>etail</u>				
ubing Size:	2-3/8" @ 3646'							
ining Material:								
ype of Packer:								
Packer Setting Depth:								
Other Type of Tubing	g/Casing Seal (if app	licable):	·······					
ddtitional Data								
. Is this a new well	drilled for injection?			No				
f no, for what purpos	se was the well origin	nally drilled	?	Oil and ga	s			
2. Name of the Inject	ction Formation:			n/a				
3. Name of Field or	Pool (if applicable):		· · · · · · · · · · · · · · · · · · ·	Langlie Ma	attix Sever	Rivers-Qu	een-Graybu	rg
	been perforated in a	any other z	one(s)? Lis	all such perfo	orated inte	rvals and giv	ve plugging	detail,
.e. sacks of cement			<u> </u>					
	664'. PA'd 6-5-89 as					·		···
	/ 25 sx cmt on top (T							
	96' w/ 35 sx on top (1						·······	
Spot cmt plug at 135	53' w/ 25 sx on top (1							
Spot cmt plug at 30'								

Jalmat Yates Gas Zone, Top @ approx. 3040'

Completion Record		
Perfs:	3445-3664'; PBTD 3681'	
Acid, Shot, Fracture, Squeeze:	Acidized w/ 3000 gals 15% NE acid, 44,000 gals. gelled water,	
	22,000 gals. CO2, 79,000# 20/40 sand, 33,750# 10/20 sand	

OPERATOR:	Rhombus	Operatin	Ig					
WELL NAME & NUM	BER: Lankford	#4						
WELL LOCATION:	1650' FNL, 330' FWI			E	25	T-23-S	R-36-E	Lea
	(Foolage Localion)			(Unit Letter)	(Section)	(Township)	(Range)	(County)
		WELL	CONSTRUC					
		<u> </u>						
Hole Size:	12-1/8"		<u>Surface Ca</u>	sing				
Casing Size:	8-5/8" @ 416'	-						
Cemented with:	450	 sacks	(or)			ft3		
Top of Cement:	Surface	_	\ = - j	· <u>·····</u> ····				
Method Determined:	Visual							
		—						
			Production C	Seina				
Hole Size:	7-7/8"	<u>r</u>		asing				
Casing Size:	5-1/2" @ 3800'							
Cemented with:	850	 sacks	(or)			ft3	•	
Top of Cement:	Surface	_	()					
Method Determined:	Visual	_						
Total Depth:	3800'							
· • • • • • • • • • •								
			<u>Tubing De</u>	etail				
Tubing Size:	2"							
Lining Material:								
Type of Packer:								
Packer Setting Depth:	3658'							
Other Type of Tubing	/Casing Seal (if appli	cable):						
Addtitional Data								
	deille d'fan inie stien 2			Na				
1. Is this a new well	e was the well originate	lly drillod	2	No Oil and gas				
2. Name of the Injec	-	iny urmeu		n/a	<u>></u>			
 Name of Field or I 					attix Sever	n Rivers-Qu	een-Gravbu	
								-
4. Has the well ever I.e. sacks of cement	been perforated in ar or plug(s) used.	y other z	one(s)? List	all such perfo	prated inte	rvals and giv	ve plugging	detail,
	<u></u>		<u> </u>					
	id depths of any oil or one, Top @ approx. 3	-	es underlying	or overlying t	he propos	ed injection	zone in this	area:
<u></u>				·	<u> </u>			
Completion Record	!							
Perfs:	3416'-36	60'; PBT	D 3745'					
Acid, Shot, Fracture,			and the second					

OPERATOR:	Conoco	<u></u>						
WELL NAME & NUM	BER: Lynn B-1 #	¥17						
WELL LOCATION:	810' FNL, 660' FEL			А	26	T-23-S	R-36-E	Lea
	(Footage Location)			(Unit Letter)	(Section)	(Township)	(Range)	(County)
		14/-11	CONCERNS					
		WELL		TION DATA				
Hole Size: Casing Size: Cemented with: Top of Cement: Method Determined:	12-1/4" 8-5/8" @445' 350 Surface Visual	- sacks -	<u>Surface Ca</u> (or)	<u>sing</u>		_ft3		
		c	Production (Socia				
Hole Size:	7-7/8"	<u>r</u>	Production (Jasing				
Casing Size:	4-1/2" @ 3270'	-	4			<i></i>		
Cemented with: Top of Cement:	960 Unknown	_sacks	(or)			_ft3		
Aethod Determined:		-						
Total Depth:	3270'	-						
			Tubing De	etail				
Tubing Size:	2-3/8" @3203'	~						
Lining Material: Type of Packer:				—				
Packer Setting Depth:								
Other Type of Tubing	g/Casing Seal (if applic	able):	<u> </u>				·	
Addtitional Data								
1. Is this a new well	-			No				
	se was the well origina	lly drilled	?	Oil and ga	s			
 Name of the Inject Name of Field or 		<u> </u>			nsil-Yates-	Seven Rive	rs	
	been perforated in any	y other ze	one(s)? List	all such perfo	orated inter	rvals and gi	ve plugging	detail,
I.e. sacks of cement	or plug(s) used.					<u> </u>		
	nd depths of any oil or pone, Top @ approx. 30	-	es underlying	or overlying t	he propos	ed injection	zone in this	area:
Completion Record	!							
Perfs:	2914'-300	04', 3026	-3102', 3108	3'-3204'; PBT	D 3225'			

				The second se
Acid, Shot, Fracture, Squeeze:	70 quality CO2 foam,	744 bbls fluid,	230,000# 12	/120 brady sand

OPERATOR:	Conoco							
WELL NAME & NUM	BER: Lynn B-1	#16		_		·		
WELL LOCATION:	660' FNL, 660' FEL			А	26	T-23-S	R-36-E	Lea
•	(Foolage Location)			(Unit Letter)	(Section)	(Township)	(Range)	(County)
		<u>WELL</u>	CONSTRUC	TION DATA				
			Surface Ca	<u>sing</u>				
Hole Size:	12-1/4"	_						
Casing Size:	8-5/8" @ 400'	_						
Cemented with:	250	sacks	(or)			_ft3		
Top of Cement:	Surface							
Method Determined:	Visual	<u> </u>						
		ŀ	Production C	asing				
Hole Size:	7-7/8"	_						
Casing Size:	5-1/2" @ 2900'	_						
Cemented with:	300	sacks	(or)			ft3		
Top of Cement:	Unknown	_						
Method Determined:		-						
Total Depth:	3400'							
			<i>-</i>					
Tubine Oine	0.0/01 @ 04001		<u>Tubing De</u>	tail				
Tubing Size:	2-3/8" @ 3106'	-						
Lining Material:	<u></u>							
Type of Packer:	SN							
Packer Setting Depth:	3074'							
	/Casing Seal (if applic		<u></u>					
Addtitional Data								
1. Is this a new well	•			No				
· · ·	e was the well origina	lly drilled	?	Oil and gas	<u> </u>			
2. Name of the Injec				n/a			······	
3. Name of Field or I	Pool (if applicable):			Jalmat Lar	sil-Yates	-Seven Rive	rs	<u> </u>
4. Has the well ever	been perforated in an	y other z	one(s)? List	all such perfo	rated inte	rvals and giv	ve plugging	detail,
I.e. sacks of cement						-		
						**************************************	,	
	d depths of any oil or one, Top @ approx. 30		es underlying	or overlying t	he propos	ed injection	zone in this	area:
	·			<u> </u>				
Completion Record	!							
Perfs:	Open hol	<u>e 2900'-</u> :	3400'					
Acid, Shot, Fracture,	Squeeze: None							

OPERATOR:		Conoco										
WELL NAME & NUM	BER:	Lynn B-1 #3										
WELL LOCATION:	990' FNL,	1650' FWL			С	26	T-23-S	R-36-E	Lea			
•	(Foolage Localio	n)			(Unit Letter)	(Section)	(Township)	(Range)	(County)			
			WELL C	ONSTRUC	CTION DATA							
			s	Surface Ca	sina							
Hole Size:	Unknown		2		<u></u>							
Casing Size:	7-5/8" @	1214'	-									
Cemented with:	500		sacks	(or)			ft3					
Top of Cement:	Surface						-					
Method Determined:	Visual		· ,									
			Pro	oduction	<u>Casing</u>							
Hole Size:	Unknown		-									
Casing Size:	5-1/2" @ 2	2882'	-									
Cemented with:	690		sacks	(or)			_ft3					
Top of Cement:	Unknown											
Method Determined:			_									
Total Depth:	3385'		-									
Addtitional Data												
1. Is this a new well	drilled for ir	jection?			No							
If no, for what purpos	e was the v	vell originall	y drilled?		Oil and gas	5						
2. Name of the Injec	tion Format	tion:			n/a							
3. Name of Field or I	Pool (if app	licable):			Langlie Ma	ttix Seven	Rivers-Que	en-Graybu	g			
4. Has the well ever	been perfo	rated in any	other zon	ie(s)? List	all such perfor	rated inter	vals and giv	ve oluaaina (detail.			
I.e. sacks of cement	•	-			• 				· · · · · · · · · · · · · · · · · · ·			
		<u></u>	<u></u>			<u></u>						
5. Give the name an Jalmat Yates Gas Zo	-			underlying	or overlying th	ne propos	ed injection	zone in this	area:			
Completion Record	!											
Perfs:		Open hole	2882'-33	85'								
Acid, Shot, Fracture,	Squeeze:											

OPERATOR:		Conoco							
WELL NAME & NUM	BER:	Lynn B-1 #	1						
WELL LOCATION:	2310' FSL	, 2310' FEL	·		J	26	T-23-S	R-36-E	Lea
	(Foolage Locatio	in}			(Unit Letter)	(Section)	(Township)	(Range)	(County)
			WELL	CONSTRUC	TION DATA				
Hole Size:	Unknown			Surface Ca	sing				
Casing Size:	20" @ 41'		-						
Cemented with:	76	. <u></u>	- sacks	(or)			ft3		
Top of Cement:	Surface			(01)					
Method Determined:									
Method Determined.	Visual		-						
			In	termediate (Casing				
Hole Size:	Unknown		-						
Casing Size:	8-1/4" @ 3	2873'	_						
Cemented with:	300		sacks	(or)			ft3		
Top of Cement:	Unknown		-						
Method Determined:			-						
	<u></u>		-						
			P	Production C	asing				
Hole Size:	Unknown								
Casing Size:	7" @ 314		-						
Cemented with:	100		sacks	(or)			ft3		
Top of Cement:	Unknown		-		<u> </u>		_		
Method Determined:			-						
Total Depth:	3614'		_						
				Tubing De	Anil				
Tubine Oine	07			<u>Tubing De</u>	<u>ildii</u>				
Tubing Size:	<u>Z'</u>		-						
Lining Material:				· · · · · · · · · · · · · · · · · · ·					
Type of Packer:				·····					
Packer Setting Depth:	<u>3930'</u>	-1 /:6	<u>_</u>						
Other Type of Tubing	Casing Si	eal (ir applic	able):					<u> </u>	
<u>Addtitional Data</u>								, .	
1. Is this a new well					No				
If no, for what purpos		-	lly drilled	?	Oil and ga	S			
2. Name of the Injec					n/a	·····			
3. Name of Field or I	Pool (if app	licable):			Jalmat Ta	nsil-Yates	-Seven Rive	ers	
4. Has the well ever I.e. sacks of cement			y other zo		all such perfo		-		detail,
5. Give the name an Jalmat Yates Gas Zo	-		+	s underlying	• •	• •	sed injection		ar ea :
Completion Record	!	<u></u>	·	······			· · · · · · · · · · · · · · · · · · ·		
Dorfe [,]		Open hel	o 31/01 1	מדמי סמדה	2450'				
Perfs:		 Open noli 	U J 140'-3	3458'; PBTD	3430				

Acid, Shot, Fracture, Squeeze:

OPERATOR:		Conoco	<u>.</u>						
WELL NAME & NUM	BER:	Lynn B-1 #	4						
WELL LOCATION:	990' FSL,	990' FWL			М	26	T-23-S	R-36-E	Lea
•	(Foolage Localio				(Unit Letter)	(Section)	(Township)	(Range)	(Counly)
			WELL C	ONSTRU	JCTION DATA				
			ź	Surface (Casing				
Hole Size:	Unknown								
Casing Size:	10-3/4" @) 339'	•						
Cemented with:	300		sacks	(or)			_ft3		
Top of Cement:	Surface								
Method Determined:	Visual		-						
			0	o du otio u	Cooling				
Hole Size:	Unknown		<u> </u>	<u>oductior</u>	i Casing				
Casing Size:	5-1/2" @		-						
Cemented with:	865	2005	- sacks	(or)			ft3		
Top of Cement:	Unknown		-	(0.7			_ 10		
Method Determined:			-						
Total Depth:	3455'	· · · · · · · · · · · · · · · · · · ·	-						
Addtitional Data									
1. Is this a new well	drilled for ir	njection?			No				
If no, for what purpos	e was the	well originall	y drilled?		Oil and gas	S			
2. Name of the Injec	tion Forma	tion:			n/a				
3. Name of Field or I	Pool (if app	licable):			Jalmat Tar	nsil-Yates-	Seven Rive	rs	
4. Has the well ever I.e. sacks of cement			other zo	ne(s)? Li	st all such perfo	rated inter	vals and giv	ve plugging	detail,
								······································	
5. Give the name an Jalmat Yates Gas Zo				underlyir	ng or overlying t	he propos	ed injection	zone in this	area:
<u></u>					·				
Completion Record	!								
Perfs:		Open hole	2885'-34	155'				•	
Acid, Shot, Fracture,	Squeeze:				· · · · · · · · · · · · · · · · · · ·				<u></u>
	-								

.

OPERATOR:		HCW Exploration										
WELL NAME & NUM	George Etz #4											
WELL LOCATION:	1650' FSL	, 990' FEL			ł	27	T-23-S	R-36-E	Lea			
	(Footage Location				(Unit Letter)	(Section)	(Township)	(Range)	(County)			
			WELL C	ONSTRUC	TION DATA							
			<u>.</u>	<u>Surface Ca</u>	sing				,			
Hole Size:	11"											
Casing Size:	8-5/8" @ 3	804'	-									
Cemented with:	150		sacks	`(or)	<u></u>		_ft3					
Top of Cement:	Unknown		-									
Method Determined:			,									
			<u>Pr</u>	oduction	Casing							
Hole Size:	6-3/4"											
Casing Size:	5-1/2" @ 2	2970'	-									
Cemented with:	400		sacks	(or)			_ft3					
Top of Cement:	Unknown		_									
Method Determined:	<u></u>		_									
Total Depth:	3550'		-									
Addtitional Data												
1. Is this a new well	drilled for in	iection?			Νο							
If no, for what purpos		-	y drilled?		Oil and gas							
2. Name of the Injec		-			n/a							
3. Name of Field or I	Pool (if appl	icable):			Jalmat Tan	sil-Yates-	Seven Rive	rs				
									-1 - 4 - 11			
4. Has the well ever I.e. sacks of cement		-					vais and gr	/e plugging				
Open hole 2970'-355	0'	<u></u>			<u></u>	<u></u>						
PA'd 10-16-84						·						
See attached sheet f	or plugging	detail										
5. Give the name an Jalmat Yates Gas Zo	•	• •	•	underlying	or overlying th	e propos	ed injection	zone in this	area:			
									·			
Completion Record	!	-										
Perfs:		Open hole	2970-35	50'								
Acid, Shot, Fracture,	Squeeze:	Acidized 2			······································	·	·					
	•											

STATE OF NEW MEXICO	
ENERGY AND MINERALS DEPARTMENT	
DISTRIBUTION P. O. BOX 2088	Fora C-103
SANTA FE SANTA FE, NEW MEXICO 87501	Revised 10-
FILE	Sa. Indicate Type of Lease
	State Fee X
OPERATOR	S. State Oll & Gas Lease No.
SUNDRY NOTICES AND REPORTS ON WELLS	
USC "APPLICATION FOR FRAMIT -" (FORM C-101) FOR SUCH PROPOSALS.)	7. Unit Agreement Name
OIL CAS X OTHER-	8. Form or Lease Hame
HCW Exploration, Inc.	George Etz.
P.O. Box 10585 Midland, TX 79702	9. Well No. 4
4. Location of Well	10. Field and Pool, or Wildcat
UNIT LETTER I 650 FEET FROM THE SOUTH LINE AND 990 FEET FROM	Jalmat
THE East LINE, SECTION 27 TOWNSHIP 235 RANGE 36E HAPP.	
ite and the second seco	12. County
3381.5' RT	Lea
Check Appropriate Box To Indicate Nature of Notice, Report or Oth NOTICE OF INTENTION TO:	er Data REPORT OF:
PEAFORM REMEDIAL WORK	ALTERING CASING
TEMPORARILY ABANDON	PLUG AND ABANDOHMENT
PULL OR ALTER CASING CHANGE PLANS CASING TEST AND CEMENT JOB	
17. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including work) SEE RULE 1103.	• • • • •
10/4/84 Find 2 3/8" EUE, 8rd tbg parted at 700'. 10/5/84 Fishing for	
<u>10/6/84</u> Fishing. <u>10/8/84</u> Fishing & washing. Tag fill at 668'. Mill	to 698'. Loosing circ
<u>10/9/84</u> Milling & washing. Loosing circ. TD 702'.	
<u>10/10/84</u> Milling & washing. Tite spot @ 698'. Work thru to 712'. Loo	• ·
<u>10/11/84</u> Milling & washing. Hit bridge @ 698', could not work thru bri O pressure. Pump dwn annulus 2 3/8" tbg & 5 1/2" csg 2 1/2 BP returns out annulus of 5 1/2" csg & 8 5/8" csg.	
10/12/84 Prepare to pump cmt thru 5 1/2" HOWCO retainer.	
<u>10/13/84</u> Set retainer @ 286' pump 160 sx cement. Cmt to surface in ann & 8 5/8" csg. Close surface valves & squeeze 500 sx cmt below psi. Spot 35 sx cement above retainer.	ulus of 5 1/2" csg retainer. SI 400
<u>10/15/84</u> Open 5 1/2" annulus, flow 1" stream. Pump in to establish a r 200 psi) Squeeze 200 sx cement pressure to 400 psi. SI & RD.	
10/16/84 Pressure up 5 1/2" annulus to 500 psi. Held OK. ND wellhead, plate, install dry hole marker. P & A.	weld on top
18. I hereby certify that the information above is true and complete to the bast of my knowledge and belief. sicked Multiple the product of the bast of my knowledge and belief.	DATE 10/26/84
APPROVED BY AND	MAY 1 7 1985

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CONDITIONS OF APPROVAL, IF ANY

OPERATOR:		Conoco	·····								
WELL NAME & NUMBER: Lynn B-1 #2											
WELL LOCATION:	990' FNL,	990' FEL			А	26	T-23-S	R-36-E	Lea		
	(Foolage Localio				(Unit Letter)	(Section)	(Township)	(Range)	(Couniy)		
			WELL C	ONSTRUC	TION DATA						
			<u>s</u>	urface Cas	ing						
Hole Size:	Unknown										
Casing Size:	7-5/8" @ '	1225'		((10)				
Cemented with:	500	sacks (or)ft3									
Top of Cement:	Unknown		•								
Method Determined:											
			Pro	duction C	asing						
Hole Size:	Unknown										
Casing Size:	5-1/2" @ 2	2784'	-								
Cemented with:	500		sacks	(or)			_ft3				
Top of Cement:	Unknown		-								
Method Determined:			-								
Total Depth:	3350'		-								
Addtitional Data											
1. Is this a new well of	drilled for in	jection?			No						
If no, for what purpos	e was the v	well originall	y drilled?		Oil and gas						
2. Name of the Inject					_n/a			. <u></u>			
3. Name of Field or F	Pool (if app	licable):			Jalmat Tan	sil-Yates-	Seven Rive	rs			
4. Has the well ever I.e. sacks of cement			other zon	e(s)? List a	all such perfor	rated inter	rvals and giv	ve plugging o	detail,		
Open hole 2784'-355	0'										
PA'd 4-12-77	-	·							· · · · · · · · · · · · · · · · · · ·		
See attached sheet for	or plugging	detail							····		
							·······				
 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:	Perfs: Open hole 2784'-3350'										
Acid, Shot, Fracture,	Squeeze:						,				

STATES BUBMIT IN TRIPILICA Other instructiv "
THE INTERIOR verse side) UNITERSTATES () ANY 1963) Budget Buteau No. 42-R1424. DEPARTMI 5. LEASE DEGIONATION AND BERIAL NO. NM - 21644 GEOLOGICAL SURVEY TRIBE NAME 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-" for such proposals.) 7. UNIT AGREE WELL GAS WELL Hbandon OTHER l a 2. NAMI 31 1371 LOCATION OF WELL (Re See also space 17 belo At surface ILDCAT NAM. 990' FNL + 990'F 16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data NOTICE OF INTENTION TO : SUBSEQUENT REPORT OF : TEST WATER SHUT-OFF PULL OR ALTER CASING WATER SHUT-OFF REPAIRING WELL FRACTURE TREAT MULTIPLE COMPLETE PRACTURE TREATMENT ALTERING CARING SHOOT OR ACIDIZE ABANDON* BROOTING OR ACIDIZING ABANDONMENT* Plug +Abander REPAIR WELL CHANGE PLANS (Other) (Norz: Report respits of multiple completion on Well Completion or Recompletion Report and Log form.) (Other) 17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)* 4-9 WIH W/ Baker retainer. Set at 2709' Spotted cmi totool. Stung into retainer, started pumping. Communicate to casing. Pool, pumped approximately 655%. emt. 600'-560 in casing. \$12-17 Tagged top of cmt. at 2497! Tested 51/2" esg. w/15 Spotted 25 Sx plug at 1284 - 1150! spot 10 sx plug at 96 't surface 18. I hereby certify TITLE ADMIN Supr. SIGNED MM DATE 5 (This space for Federal or State office use) "tell. APPRO - -APPROVED BY TTTT OCT 19 197 CONDITIONS OF APPROVAL, IF ANY: ÷ *See Instructions on Reverse SideRTHUR R. BROWN DISTRICT ENGINEER

Langlie Lynn Queen Unit Wells #3, #5, #7, #9, #12, #14, #16, #18

Proposed Injection Project

(April 13, 2000)

Proposed average and maximum daily rate: 300 BWPD / 500 BWPD

System is closed

Proposed average and maximum injection pressure: 500 psi / 1000 psi

Source of injection fluid: Texaco SW Supply (water lines)

<u>Geological Data</u>: The injection zone is the Queen/Seven Rivers at 3400-3800' and the lithology consists of dolomite, sandstone and anhydrite. No known sources of underground drinking water below the surface casing setting depth at $325 \pm$ are present in the area of review.

<u>Proposed Stimulation Program:</u> Reperforate the Queen/Seven Rivers. Acidize each well with 3,000 gals NEFE acid.

P O. BOX 1468 MONAHANS, TEXAS 79756 PH 943-3234 OR 563-1040	RESULT OF WATER ANALYSES			709 W. INDIANA MIDLAND, TEXAS 79701 PHONE 683-4521
111, 545-5254 OT 000-1040				PHONE 083-4521
TO Mr. Terry Lawler		LABORATORY NO SAMPLE RECEIVED _	<u>300184</u> <u>3-24-00</u>	
3300 North "A" Street, 1	<u>Bldg. 4, Ste. 1</u>	00 RESULTS REPORTED	3-27-00	
Midland, TX 79705				
COMPANY Energen Resources Co	orporation	LEASELanglie-	-Lynn	<u></u>
FIELD OR POOL				
SECTION BLOCK SURVEY	COUNTY	Lea STAT	ENM	
SOURCE OF SAMPLE AND DATE TAKEN:				
NO.1 <u>Raw water - taken from</u>	n Texaco Jal Wa	ter System. 3-24	-00	
NO.2 Produced water - taker	n from Langlie-	Lynn. 3-24-00		

NO. 3 _____

NO. 4

REMARKS: ___ CHEMICAL AND PHYSICAL PROPERTIES NO. 3 NO. 1 NO. 2 NO. 4 1.0087 1.0282 Specific Gravity at 60° F. pH When Sampled 7.14 pH When Received 6.94 Bicarbonate as HCO₃ 927 1,586 Supersaturation as CaCO, Undersaturation as CaCO, 6,200 3,200 Total Hardness as CaCO, 720 Calcium as Ca 352 Magnesium as Mg 340 1,293 Sodium and/or Potassium 1,834 9,502 1,751 508 Sulfate as SO. Chloride as Cl 3,266 17,750 Iron as Fe 0.27 12.5 Barium as Ba Turbidity, Electric Color as Pt 8,838 30,991 Total Solids, Calculated Temperature °F Carbon Dioxide, Calculated Dissolved Oxygen. 95.0 27.0 Hydrogen Sulfide 0.740 0.250 Resistivity, ohms/m at 77° F. Suspended Oil Filtrable Solids as mg/l Volume Fiftered, ml Results Reported As Milligrams Per Liter Additional Determinations And Remarks The objective herein is to evaluate the compatibility between the two waters represented. A careful study of these waters has revealed no evidence of any incompatibility in any proportion of mixtures between these two waters. This is to say that we would not expect any scaling potential or precipitation as a result of combining these waters.

Form No. 3

Waylan C. Martin, M.A.

Ву ____

165 Mart 1

P. O. BOX 1468 MONAHANS, TEXAS 79756 PH. 943-3234 OR 563-1040 WEMALE Martin Water La	aboratories, Inc.		709 W. INDIANA MIDLAND, TEXAS 79701 PHONE 683-4521
RESULT OF WA	TER ANALYSES	•	FILONE 003-4521
	LABORATORY NO.	300138	
TO: Mr. Terry Lawler	SAMPLE RECEIVED	3-14-00	
3300 North A Street, Bldg. 4, Ste. 100	RESULTS REPORTED	3-20-00	
Midland, TX 79705			· · · · · · · · · · · · · · · · · · ·
COMPANY Energen Resources Corporation	LEASE Langlie-L	ynn	
SECTION BLOCK SURVEY COUNTY _	LeaSTATE	NM	
SOURCE OF SAMPLE AND DATE TAKEN:			
NO.1 <u>Raw water - taken from Dimwidder wi</u>	ndmill. 3-14-00		
NO.2 Raw water - taken from Myers Ranch	windmill. 3-14-00		
NO. 3	·		

Specific Gravity at 60° F. pH When Sampled pH When Received Bicarbonate as HCO, Supersaturation as CaCO, Undersaturation as CaCO,	NO. 1 1.0018 7.49 317	NO. 2 1.0019 7.39	NO. 3	NO. 4
pH When Sampled pH When Received Bicarbonate as HCO, Supersaturation as CaCO,	7.49	7.39		
pH When Received Bicarbonate as HCO, Supersaturation as CaCO,				
Bicarbonate as HCO, Supersaturation as CaCO,				
Supersaturation as CaCO,	317			
		224		
Undersaturation as CaCO,				
Total Hardness as CaCO,	176	312	·	
Calcium as Ca	61	112		
Magnesium as Mg	6	8		
Sodium and/or Potassium	107	60		
Sulfate as SO	89	148		
Chloride as Cl	40	74		
Iron as Fe	0,13	0.22	["	
Barium as Ba				
Turbidity, Electric				
Color as Pt				
Total Solids, Calculated	619	626		
Temperature *F.			1	
Carbon Dioxide, Calculated				
Dissolved Oxygen,				
Hydrogen Sulfide	0.0	0.0		
Resistivity, ohms/m at 77 * F.	14.66	12.75		
Suspended Oil				
Filtrable Solids as mg/l				
Volume Filtered, ml				
itrate, as N	2.9	4 1	1	
			· ·	
······································		<u>,</u>		
	Results Reported As Milligram	ns Per Liter		<u>, </u>
Additional Determinations And Remarks	The undersigned cert		ove to be true	and
orrect to the best of his	knowledge and belief			

Waylan C. Martin, M.A.

AFFIDAVIT OF PUBLICATION

State of New Mexico, County of Lea.

I, KATHI BEARDEN

Publisher

of the Hobbs News-Sun, a newspaper published at Hobbs, New Mexico, do solemnly swear that the clipping attached hereto was published once a week in the regular and entire issue of said paper, and not a supplement thereof for a period.

1

of _____

_____ weeks.

- 2000

Beginning with the issue dated

March 25 2000 and ending with the issue dated

March 25 2000

Publisher Sworn and subscribed to before

me this <u>27th</u> day of

March

onson

Notary Public.

My Commission expires October 18, 2000 (Seal)

This newspaper is duly qualified to publish legal notices or advertisements within the meaning of Section 3, Chapter 167, Laws of 1937, and payment of fees for said publication has been made. LEGAL NOTICE March 25, 2000 NOTICE OF APPLICATION FOR FLUID INJECTION WELL PERMIT Energen Resources Corporation, 3300 N. A St. Bldg, 4-Ste 100, Midland, TX. 79705 (Contact Person: Denise Menoud) Telephone: 915-687-2074) is applying to the New Mexico Of Conservation Commission for a permit to inject fluid into a for mation productive of oil or gas. The applicant proposes to inject fluid into the Langlie Mattix Queen Unit #3, 5, 7, 9, 12, 14, 16, 18, and 23 for the purpose of a secondary recovery waterflood project. The purposed injection wells are located in Sec. 22, 23 and 26 - T-235 - H365 in the Langlie-Lynn Queen Unit, Langlie Mattix Field Leas County. New Mexico, Fluid will be injected into strata in the subsurface Seven Rivers-Queen-Gravbirg Formation, et a depth interval from 3400-3800'. Expected maximum injection rate is 500 BWPD. Second Conservation Commission.

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01105161000 01539720

Energen Resources Corporation 3300 North "A" Street Building 4, Suite 100 MIDLAND, TX 79705

AFFIDAVIT OF PUBLICATION

STATE OF NEW MEXICO

COUNTY OF ____ Lea

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Before me, the undersigned authority, on this day personally appeared _____, the ____Publisher Kathi Bearden of the (Name) (Title) Hobbs News-Sun , a newspaper having (Name of Newspaper) general circulation in _____Lea County, New Mexico, who being

by me duly sworn, deposes and says that the foregoing attached notice was published in

said newspaper on the following date(s), to wit: _____ March 25, 2000 (Date)

Faider____

Subscribed and sworn to before me this the <u>3</u> day of <u>Apul</u>,

19 2000, to certify which witness my hand and seal of office.

Notary Public in and for

LO _____ County, New Mexico

un the reverse side.	Complete items 3, 4a, and 4b. Print your name and address on the reverse of this form so that card to you. Attach this form to the front of the mailpiece, or on the back if sp permit. Write ' <i>Return Receipt Requested</i> ' on the mailpiece below the ar The Return Receipt will show to whom the article was delivered	ace does not 1. □ Addressee's Address ace does not 2. □ Restricted Delivery tide number. 1. □ Addressee's Address	ecelpt Service.
vour RETURN ADDRESS commisted f	3. Article Addressed to: NEW MEX ICO STATE LAND OFFICE P.O. BOX 1148 SANTA FE NM	4a. Article Number 2-558-120-401 4b. Service Type Registered Expressived Registered Return Receip Our Merchandise COD 7. Date of Detivery 8. Addresseds Address Only if requested and tee is paid	Thank you for using Return Rec
	RS Form 3811, December 1994	102595-99-B-0223 Domestic Return Rece	•

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New Mexico State Land Office P.O. Box 1148 Santa Fe, New Mexico 87504-1148

RE: Energen Resources Corporation Application to Inject Fluid Into a Reservoir Productive of Oil or Gas Langlie Lynn #3, 5, 7, 9, 12, 14, 16, 18, 23 Langlie Lynn Unit, Langlie Mattix Field, Lea County, New Mexico

Dear Sir:

Energen Resources is applying to the Oil Conservation Division of New Mexico for authority to inject fluids into the Seven Rivers-Queen-Grayburg Formation.

The Oil Conservation Division of New Mexico requires that all offset operators and surface owners be notified.

<u>NOTICE:</u> Surface owners or offset operators must file any objections or requests for hearing of administrative applications within 15 days from the date this application was mailed to them.

Sincerely,

Denise Menoud Production Tech. Energen Resources Corp. (915) 687-2074

	SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY
	 Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired. Print your name and address on the reverse so that we can return the card to you. Attach this card to the back of the mailpiece, or on the front if space permits. Article Addressed to: ORYX ENERGY P.O. BOX 2880 	A. Received by (Please Print Clearly) B. Date/of/Delivery
	DALLAS TX 75221-2880	3. Service Type Image: Service Type Image: Service Type Image: Service Type
n Berking ang kang kang kang kang kang kang kan	2. Article Number (Copy from service label) 2 - 5	58-120-409
	PS Form 3811, July 1999 Domestic F	Return Receipt 102595-99-M-1789

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Oryx Energy Co. P.O. Box 2880 Dallas TX 75221-2880

RE: Energen Resources Corporation Application to Inject Fluid Into a Reservoir Productive of Oil or Gas Langlie Lynn #3, 5, 7, 9, 12, 14, 16, 18, 23 Langlie Lynn Unit, Langlie Mattix Field, Lea County, New Mexico

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Sincerely,

D. menoud

Denise Menoud Production Tech. Energen Resources Corp. (915) 687-2074

Energen Resources Corporation, an Energen Company 3300 North "A" Street, Building 4, Suite 100, Midland, Texas 79705

COMPLETE THIS SECTION ON DELIVERY SENDER: COMPLETE THIS SECTION Complete items 1, 2, and 3. Also complete A. Received by (Please Print Clearly) B. Date of Delivery item 4 if Restricted Delivery is desired. 3 Print your name and address on the reverse C. Signature so that we can return the card to you. Agent Attach this card to the back of the mailpiece, Х Addressee or on the front if space permits. D. Is delivery address different from item 1? X Yes 1. Article Addressed to: D No If YES, enter delivery address below: 901 Rio GRAnde RAPTOR RESOURCES PO BOX 160430 8701 AUSTIN TX 78716 3. Service Type Certified Mail Express Mail Return Receipt for Merchandise Registered Insured Mail C.O.D. 4. Restricted Delivery? (Extra Fee) C Yes 2. Article Number (Copy from service label) Ņ 2-558-120. 66 PS Form 3811, July 1999 Domestic Return Receipt 102595-99-M-1789



Raptor Resources P.O. Box 160430 Austin, Texas 78716

RE: Energen Resources Corporation Application to Inject Fluid Into a Reservoir Productive of Oil or Gas Langlie Lynn #3, 5, 7, 9, 12, 14, 16, 18, 23 Langlie Lynn Unit, Langlie Mattix Field, Lea County, New Mexico

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	Complete items 1, 2, and 3. Also con item 4 if Restricted Delivery is desired Print your name and address on the i so that we can return the card to you Attach this card to the back of the mi or on the front if space permits. Article Addressed to: LAYTON WILLIAM	d. reverse J. nailpiece,	A. Received by (Please Print Clearly) MARY OL: VE C. Signature X Dury Oliver D. Is delivery address different from iter If YES, enter delivery address below	
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Clayton Williams 6 Desta Dr. Ste. 3000 Midland, Texas 79705

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PS Form 3811, July 1999

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Roca Petroleum P.O. Box 10139 Midland TX 79702

RE: Energen Resources Corporation Application to Inject Fluid Into a Reservoir Productive of Oil or Gas Langlie Lynn #3, 5, 7, 9, 12, 14, 16, 18, 23 Langlie Lynn Unit, Langlie Mattix Field, Lea County, New Mexico

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Conoco 10 Desta Dr. Suite 100W Midland TX 79705-4500

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J. Menoud

Denise Menoud Production Tech. Energen Resources Corp. (915) 687-2074

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Doyle Hartman P.O. Box 10426 Midland TX 79701

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Deep Wells Ranch Inc. c/o Kelly Myers Star Rt. 1, Box 244 Jal, New Mexico 88252

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Denise Menoud Production Tech. Energen Resources Corp. (915) 687-2074

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Rhombus Operating 200 N. Loraine Suite 1270 Midland TX 79701

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	L. DREYFUS 14000 QUAIL SPRINGS PRWY STE.600	
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L. Dreyfus 14000 Quail Springs Pkwy. Ste. 600 Oklahoma City OK 73134

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Building 4, Suite 100 Midland, Texas 79705 3300 North "A" Street Energen Resources Corporation ENERGEN SOURCES Ν Fold at line over top of envelope to the right of the return address E94 PTT 955 CERTIFIED MAIL TO FORMATO ENERGEN ESOURCE Por Box 1710 ARCO PERMIAN HOBBS NM 88240 AN ENERGEN RESOURCES CORPORATION Midland, Texas 79705 Building 4, Suite 100 3300 North "A" Street 3-20,00 600 N. MARIENFELD. 138 50 **\$ 03.200** MAR 15 00 4314 MAILED FROM MIDLAND TX 79705 * CONTEO SANIES HOSS Į



Arco Permian P.O. Box 1710 Hobbs NM 88240

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Gruy Petroleum Mgmt P.O. Box 14097 Irving TX 75014

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Phone 505/395-3056 Fax 505/395-3205 1105 West Kansas Address Line 2 Jal, New Mexico 88252

March 23, 2000

CERTIFIED

Mr. David Catanach OIL CONSERVATION DIVISION 2040 South Pacheco Santa Fe, New Mexico 87505

RE: Energen Resources Corporation Application to Inject Fluid Into a Reservoir Productive of Oil or Gas Langlie Lynn #3, 5, 7, 9, 12, 14, 16, 18, 23 Langlie Lynn Unit, Langlie Mattix Field, Lea County, New Mexico

Case 12614

Dear Mr. Catanach,

Lanexco, Inc. as an offset operator respectfully & STRONGLY objects and request a hearing on the above captioned Wells from Energen Resources Corporation for authority to inject fluids into the Seven Rivers-Queen-Grayburg Formation.

The above Langlie Lynn Unit was formally operated by Conoco, Inc. and in May of 1990 their Langlie Lynn Qu Unit #1 Sec 22 T23S R36E Unit J shortly after injection, infiltrated into Lanexco, Inc. Well the El Paso State #1 Sec 22 T23S R36E producing from the Jalmat Pool (yates-seven rivers Formation). The perforated interval on this well is 3045' to 3548'. Conoco, Inc. and Lanexco, Inc. met with the Hobbs Oil Commission and the decision was made that Conoco would shut down the injection of its LLU #1 for Lanexco to test the El Paso State Well and shortly thereafter entered into Litigation.

After Litigation between Lanexco and Conoco was settled, Conoco agreed to pay certain damages without admitting blame and to plug their LLU #1 in July of 1992. Lanexco, Inc. has been pumping the El Paso State #1 from the date of water invasion to the present time of this letter.

Energen reentered the LLU # 1 in Jan. 2000 and replugged the well. In Feb. 2000 Energen drilled a replacement Well the Langlie Lynn Unit #23 approximately 300' west of Lanexco's El Paso State #1 Well. I believe the same invasion problem will result in this case causing Lanexco to again enter into Litagation.

Please contact me if you have any questions or need additional information.

Sincerely.

Robert W. Lansford, President

cc: Hobbs Oil Commission Energen-Mr. Ken Gray