Form 3160-5 (June 1990)

#### UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

FORM APPROVED Budget Bureau No. 1004-0135 Expires: March 31, 1993

5. Lease Designation and Serial No.

SUNDRY NOTICES AND REPORTS ON WELLS  o not use this form for proposals to drill or to deepen or reentry to a different reservoir.  Use "APPLICATION FOR PERMIT—" for such proposals  SUBMIT IN TRIPLICATE  Type of Well  Well Gas Well Other  Name of Operator  Loma k Petroleum, Inc.  Address and Telephone No.  3030 Northwest Expressway, Suite 1850, OKC, OK 73112 (405) 947-313  Location of Well (Footage, Sec. T., R., M., or Survey Description)  T—  1980 ' FSL, 660 ' FEL Sec. 21x-T24N-R7W  CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA  TYPE OF SUBMISSION  TYPE OF ACTION    Notice of Intent   Cannel of Plans   New Construction		$\boldsymbol{l}$	SF 078924
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SUBMIT IN TRIPLICATE  Type of Well	not use this form for proposals to dif	R PERMIT—" for such proposals	
SUBMIT IN TRIPLICATE    Submit	USE APPLICATION TO		7 If Unit or CA. Agreement Designation
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Lonak Petroleum, Inc.  Address and Telephone No.  30_03 Northwest Expressway, Suite 1850, OKC, OK 73112 (405) 947-313  10. Field and Prod. of Exploratory Area Faction of Well (Foosge, Soc. T. R. M., or Survey Description)  10. Field and Prod. of Exploratory Area Faction of Well (Foosge, Soc. T. R. M., or Survey Description)  10. Field And Prod. of Exploratory Area Faction of Well (Foosge, Soc. T. R. M., or Survey Description)  10. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA  10. TYPE OF SUBMISSION  10. Change of Plans  10. Non-Routine Friendring  10. Subscopera Report  10. Change of Plans  10. Non-Routine Friendring  10. West Shard of Mon-Routine Friendring  10. Change of Plans  10. Describe Proposed or Completed Operations (Coarly near all pertisens details, and give pertisens dates, including estimated date of starting any proposed work. If well a directionally delile give subsurface footalism and management and true vertical depths for all markers and zonce pertisens to this work.)*  10. Describe Proposed or Completed Operations (Coarly near all pertisens details, and give pertisens dates, including estimated date of starting any proposed work. If well a directionally delile give subsurface footalism and management and true vertical depths for all markers and zonce pertisens to this work.)*  10. Describe Proposed or Completed Operations (Coarly near all pertisens details, and give pertisens dates, including estimated date of starting any proposed work. If well a directionally delile give subsurface footals and starting any proposed work. If well a directionally delile give subsurface footals are discussed for all markers and zonce pertisens to this work.)*  10. Describe Proposed or Completed Operations (Coarly near all pertisens details, and give pertisens dates, including estimated date of starting any proposed work. If well a directionally delile give subsurface footals and starting and pertisens dates, including estimated dates, including estimated dates, including any per	Well Well Other		Connie 21 #1
Address and Telephone No.  303 Northwest Expressway, Suite 1850, OKC, OK 73112 (405) 947-313  10 Feds and Roal, or Especially GP  11 Company of Plant, Suse  Recritical (Gallup) GP  11 Company of Plant, Suse  Rio Arriba, NM  CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA  TYPE OF SUBMISSION  TYPE OF SUBMISSION  Notice of Intern  Notice of Intern  Subsequent Report  Principle Report  Casing Report  Other  Casing Report  Other  Other  Other  Describe Proposed or Compland Operations (Cardy uses all particess details, and give persistent dates, including estimated date of starting any proposed work. If well is directionally drill give substrates boardons and measured and true vertical depths for all markers and zonce periment to this work.)*  Propose to plug and abandon this well per the attached procedure.  DEC E I V E  JUN - 9 1937  OIL GOIL DIVO  DISTL 38  16. I hereby certify date the foregoing is true and correct  Signod Black Starting of spaperoal, if any:  Title Patrickens Expressor  Signod Black Starting for spaperoal, if any:  Title Signod Signor of spaperoal, if any:  Title II 18 S C Service 1001. makes it a strice, for any person knowingly and willfully to make to any department or agency of the United States any false, fortificate or frankleted states.  Title Signor of spaperoal, if any:  Title II 18 S C Service 1001. makes it a strice, for any person knowingly and willfully to make to any department or agency of the United States any false, fortificate or frankleted states.	Name of Operator		9. API Well No.
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11 County or Parish, Saie   12   13   14   15   16   16   16   16   16   16   16	Address and Telephone No.	(/05) 0/7 01	2010. Field and Pool, or Exploratory Area
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#### Connie #21 211 -T 24N-R 7W Rio Arriba County, NM

#### Workover Procedure

Objective:

Plug and Abandon Well

Note:

All cement volumes use 100' excess outside of pipe and 100' excess inside pipe. The stabilizing wellbore fluid will be 8.3 ppg, sufficient to balance all exposed formation pressures. The Class B cement properties are: 1.18 cf/sk, 5.2 gal/sk, and 15.6 ppg.

- 1.) Prepare blow pit. Install and test location rig anchors if necessary. Comply to all NMOCD and BLM safety regulations.
- 2.) MI & RU workover unit. Kill well w/ 2% KCL water if necessary. Unseat pump.
- 3.) POH and LD rod assembly and pump. ND wellhead and NU BOP.
- 4.) POH and tally 2-3/8" tubing (visually inspect tubing while POH). If necessary, LD and PU 2-3/8" workstring.
- 5.) Plug #1 (Gallup perforations and top 5,698'-5,268'): RIH with open ended tubing to 5,698' or as deep as possible. Pump 30 bbls water and attempt to establish circulation. Mix 50 sx Class B cement and spot a balanced plug from 5,698'-5,268'. POH w/ tubing assembly and WOC.
- 6.) Plug #2 (Mesaverde top 3,715'-3,615'): Perforate 4 squeeze holes at 3,715'. RIH w/ gauge ring on wireline and tag top of cement at 5,268'. POH w/ gauge ring. RIH w/ 4-1/2" cement retainer and set at 3,665' Establish rate into squeeze holes. Mix and pump 48 sx Class B cement, squeeze 30 sx outside of casing from 3,715'-3,615' to cover Mesaverde top and leave 18 sx inside of casing. POH w/ tubing assembly.
- 6.) Plug #3 (Pictured Cliffs, Fruitland, Kirtland and Ojo Alamo tops, 2,151'-1,410'): Perforate 4 squeeze holes at 2,151'. RIH w/ gauge ring on wireline and tag top of cement at 3,615'. POH w/ gauge ring. RIH w/ 4-1/2" cement retainer and set at 1,780'. Establish rate into squeeze holes. Mix and pump 195 sx Class B cement, squeeze 109 sx outside of casing from 2,151'-1,410' to cover Pictured Cliff, Fruitland, Kirtland, and Ojo Alamo tops and leave 86 sx inside of casing. POH and LD tubing and setting tool.
- 7.) Plug #4 (Surface): Perforate 2 squeeze holes at 373'. Establish circulation out of bradenhead valve. Mix approximately 105 sx Class B cement and pump down 5-1/2" casing. Circulate good cement out bradenhead valve. SWI and WOC.
- 8.) ND BOP and cut off wellhead below surface casing. Install P&A marker to comply with regulations. RD, MOL, cut off anchors, and restore location.

#### Connie #21-1 21I - 24N - 7W Rio Arriba Co., NM

### Well History

5-31-59	Spudded well. Drilled 12-1/4" surf hole. Set 8-5/8" (24#, J-55) csg at 323' and cmt'd w/ 250 Class "B" $+$ 2% CaCl $+$ 1/4#/sk celloseal.
6-15-59	Drilled 7-7/8" hole to 5,734' TD. Ran ES and Micrologs from 5,734'. Ran 178 jts 5-1/2" csg (14#-J-55) prod csg and set at 5,732' KB. Pumped 100 sx 6% gel + 50 sx reg cement. Good returns throughout job.
6-17-59	Spotted 200 gals 7-1/2% NCA acid. Perf'd from 5,680-98' and 5,642-70' (4 JSPF- 184 holes).
6-18-59	Fraced down csg w/ 60,000 gals oil and 60,000# sd at 54.4 BPM and 2,900 psi. Dropped 140 ball sealers. Attempted to set RBP and was unsuccessful. Left RBP and setting tool in hole (not set properly). Could not retreive fish. Knocked fish below 5,698'. Set another RBP at 5,569'. Perf'd from 5,516-48' and 5,456-74' (4 JSPF- 200 holes).
6-20-59	Fraced down csg w/ 36,628 gals oil and 33,000# 20/40 sd w/ 120 balls at 50.2 BPM and 2,900 psi. Flowed back well. Retreived RBP at 5,569'. Left well making 121 BOPD on a 16/64" ck w/ 275 psi FCP. RIH w/ SN and 2-3/8" prod tbg. Set EOT at 5,665'.
7-4-59	First day of production making 353 BOPD.
5-24-61	RIH w/ rods and pumping assembly.
9-21-61	Rods parted 300' above pump. Replaced rod. Changed out pump.
5-13-63	Stripped out of hole w/ rod and tbg assemblies. Found mud jt full of frac sd up to the perf nipple. RIH w/ tbg and rod assemblies. Set EOT at 5,685' and SN at 5,654'.
8-13-63	Stripped out of hole w/ rod and tbg assemblies. Replaced 7 bad jts of tbg. WIH w/ same rod and tbg assemblies.
3-20-64	Fished parted rods. Acidized zones. RIH w/ same rod makeup.
5-9-64	Stripped out of hole w/ rod and tbg assemblies. Cleaned out hole w/ sand pump. WIH w/ same rod and tbg assemblies.
9-30-64	Found plunger stuck. Repaired pump.
12-30-64	Pumped hot oil down tbg. Warehoused rods. Converted well to plunger lift.
4-13-65	Left wireline in hole trying to retreive piston. POH w/ tbg. Retreived wireline. Re-ran same tbg makeup.
4-8-68	Piston wouldn't surface. Found paraffin block in tbg. RIH w/ mud jt, perf jt, 6 jts 2-3/8" tbg, SN, and remaining tbg.

Connie #21-1 Rio Arriba, New Mexico Well History

Fished piston w/ wireline. Found btm piston valve and stem gone. Fished piston parts out of well. Replaced plunger. Left making 13 BOPD.
POH w/ tbg assmebly. WIH w/ mud jt, perf sub, new SN, 191 jts 2-3/8" tbg and set EOT at 5,685' and SN at 5,648'. Tagged bottom at 5,716'. RIH w/ pump and rod assembly.
Set pumping unit on location. Began pumping well.
Found parted on 87th rod. Found pump plugged. Replaced pump.
Well shut-in.

# LOMAK PETROLEUM, INC. WELLBORE SCHEMATIC

WELL NAME: CONNIE #21				FIELD: ESCRITO (GALLUP) GP				
LOCATION: SEC 21I - T24N - R7	w			C	OUNTY, S	T: RIO A	ARRIBA, N	М
ELEVATION: 6,847' GL; 6,860' K	В			С	OMPLETIC	N DATE	: 6-20-59	
PREPARED BY: BLAINE STRIBL	ING			DATE: 5-20-97				
	DEPT	Ή	OD		DRIFT	WT	GRADE	THREAD
	SURF CASING:	0 - 323'	8-5/8	3"		24.0#	J-55	
	PROD CASING:	0 - 5,734'	5-1/2	2"	4.887"	14#	J-55	8rd
	PROD CASING:							
	TUBING:	0 - 5,685'	2-3/8	3"	1.995"	4.7#	J-55	8rd
	TUBING:							
8-5/8"	csg set @ 323' w/2	250 sx Class	B' + 2%	Ca	aCI + .25# sk c	celloseal		}
		CURR	ENT			PF	ROPOSE	:D
	•							
TOC @ 5	,188' (Calculated w	rith 60% exce	ss)					
Tubing assembly: mud jt, perf sub, SN, and 2-3/8" tbg  Gallup perfs: 5,456'-5,548' (200 holes)								
Gallup perfs: 5,642'-98' (184 holes)  Top of fish at 5,698' (Junk RBP and setting tool)								
178 joints 5-1/2" csg set at 5,732' w/ 100 sx 6% gel +50 sx reg cmt								
TD @ 5,734'; PBTD @ ~5,731'	178 joints 5-1/2" CS	sy set at 5,/3/	_ w/ IU(	∪ sx	. 0 /0 yei +50 s			

## LOMAK PETROLEUM, INC. WELLBORE SCHEMATIC

