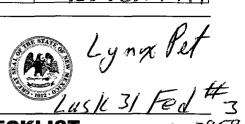
DATE IN 3.24/0 SUSPENSE ENGINEER LOGGED IN DB. TYPE \$12440 A			 			PII	<u> </u>
THE OIL THE OI	DA'	974	 SUSPENSE	ENGINEER	LOGGED IN	3. TYPE 8.74/C	AF

ABOVE THIS LINE FOR DIVISION USE ONLY

NEW MEXICO OIL CONSERVATION DIVISION

- Engineering Bureau -

1220 South St. Francis Drive, Santa Fe, NM 87505



ADMINISTRATIVE APPLICATION CHECKLIST 30-025-39593

TH	IS CHECKLIST	IS MANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AND REGULATIONS WHICH REQUIRE PROCESSING AT THE DIVISION LEVEL IN SANTA FE
Applica	ation Acron	yms: $43l$
	[DHC-D	Standard Location] [NSP-Non-Standard Proration Unit] [SD-Simultaneous Dedication] ownhole Commingling] [CTB-Lease Commingling] [PLC-Pool/Lease Commingling] -Pool Commingling] [OLS - Off-Lease Storage] [OLM-Off-Lease Measurement] [WFX-Waterflood Expansion] [PMX-Pressure Maintenance Expansion] [SWD-Salt Water Disposal] [IPI-Injection Pressure Increase] Availified Enhanced Oil Recovery Certification] [PPR-Positive Production Response]
[1]		APPLICATION - Check Those Which Apply for [A]
	[A	Location - Spacing Unit - Simultaneous Dedication NSL NSP SD
		eck One Only for [B] or [C]
	[B	Commingling - Storage - Measurement —DHC
	[C	Injection - Disposal - Pressure Increase - Enhanced Oil Recovery WFX PMX SWD IPI EOR PPR
	[D	Other: Specify
[2]		ATION REQUIRED TO: - Check Those Which Apply, or \Box Does Not Apply
	[A	Working, Royalty or Overriding Royalty Interest Owners
	[B]	Offset Operators, Leaseholders or Surface Owner
		Application is One Which Requires Published Legal Notice
	[D	Notification and/or Concurrent Approval by BLM or SLO U.S. Bureau of Land Management - Commissioner of Public Lands, State Land Office
	[E]	For all of the above, Proof of Notification or Publication is Attached, and/or,
	[F]	Waivers are Attached
[3]		ACCURATE AND COMPLETE INFORMATION REQUIRED TO PROCESS THE TYPE ICATION INDICATED ABOVE.
	al is <mark>accura</mark> t	CATION: I hereby certify that the information submitted with this application for administrative and complete to the best of my knowledge. I also understand that no action will be taken on this e required information and notifications are submitted to the Division.
	N	ote: Statement must be completed by an individual with managerial and/or supervisory capacity.
De Print or	<u>bbie N</u> Type Name	CKelvey Deblie McKelveg Agent 8/19/10 Signature Date

e-mail Address

LYNX PETROLEUM CONSULTANTS, INCRÉCEIVED OCD P.O. BOX 1708 HOBBS, NM 88241

August 19, 2010

Attention Engineering Bureau Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505

Re:

Downhole Commingling Application

Lusk "31" Federal No. 3, 30-025-35953

Gentlemen:

Attached is a C107A to downhole commingle the subject well. Lynx Petroleum would like to request that this application be reviewed at your earliest convenience. The well has reached TD and a rig will be available soon to perform the completion.

Thank you for your consideration. If you have any questions, please do not hesitate to call me at 575-392-3575.

Sincerely,

Deblie McKelvey, Agent for

Lynx Petroleum Consultants, Inc.

District I 1625 N. French Drive, Hobbs, NM 88240

State of New Mexico Energy, Minerals and Natural Resources Department

Form C-107A Revised June 10, 2003

District II

1301 W. Grand Avenue, Artesia, NM 88210

District III

District IV 1220 S. St. Francis Dr., Santa Fc. NM 87505

E-MAIL ADDRESS_

Oil Conservation Division

1220 South St. Francis Dr. Santa Fe, New Mexico 87505

APPLICATION TYPE ___Single Well __Establish Pre-Approved Pools

APPLICATION FOR DOWNHOLE COMMINGLING

EXISTING WELLBORE ____ Yes ____No

Lynx Petroleum Consultants, Inc. Operator	P.O. Box 1708, Hobbs, NM 88 Add	dress	
Lusk 31 Federal	3 J-31-18S-32	DF '	Lea
.ease		Section-Township-Range	County
OGRID No. 13645 Property	Code <u>37315</u> API No	. <u>30-025-39593</u> Lease Type: _2	X Federal State Fe
DATA ELEMENT	UPPER ZONE	INTERMEDIATE ZONE	LOWER ZONE
Pool Name	LUSK; WOLFCAMP, NORTH	CISCO-CANYON WILDCAT	LUSK; STRAWN,
Pool Code	41608		41589
Top and Bottom of Pay Section (Perforated or Open-Hole Interval)	10332-10376'	10738-10992'	11163-11212,
Method of Production (Flowing or Artificial Lift)	Pumping	Pumping	Pumping
Bottomhole Pressure (Note: Pressure data will not be required if the bottom perforation in the lower zone is within 150% of the depth of the top perforation in the upper zone)	To be determined by Swab test	To be determined by Swab test	To be determined by Swab test
Oil Gravity or Gas BTU (Degree API or Gas BTU)	To be determined by Swab test	To be determined by Swab test	To be determined by Swab test
Producing, Shut-In or New Zone	New Zone	New Zone	New Zone
Date and Oil/Gas/Water Rates of Last Production. (Note: For new zones with no production history, applicant shall be required to attach production estimates and supporting data.)	No production data available in the area. Date:	No production data available in the area. Date:	No production data available in the area. Date:
estimates and supporting data.)	Rates:	Rates:	Rates:
Fixed Allocation Percentage (Note: If allocation is based upon something other than current or past production, supporting data or explanation will be required.)	Oil Gas To be determined by Swab test % %	Oil Gas To be determined by Swab test % %	Oil Gas To be determined by Swab test % %
	ADDITIO!	NAL DATA	
are all working, royalty and overriding f not, have all working, royalty and over	royalty interests identical in all cor erriding royalty interest owners bee	mmingled zones? on notified by certified mail?	Yes X No Yes No
are all produced fluids from all commit	ngled zones compatible with each o	other?	Yes_XNo
Vill commingling decrease the value of	Eproduction?		Yes No <u>X</u> _
this well is on, or communitized with r the United States Bureau of Land Ma			Yes X No
NMOCD Reference Case No. applicable	e to this well:	···	
Attachments: C-102 for each zone to be comming Production curve for each zone for a For zones with no production histor Data to support allocation method o Notification list of working, royalty Any additional statements, data or d	at least one year. (If not available, y, estimated production rates and s r formula. and overriding royalty interests for	attach explanation.) upporting data. r uncommon interest cases.	
	PRE-APPRO	OVED POOLS	
If application is	to establish Pre-Approved Pools, th	ne following additional information wi	ill be required:
ist of other orders approving downhole ist of all operators within the proposed troof that all operators within the propo outtomhole pressure data.	Pre-Approved Pools	• •	
hereby certify that the information	above is true and complete to t	he best of my knowledge and belie	ef.
SIGNATURE <u>Oldrin</u> Y	n Kelver TITLE	agent	DATE 8/19/10
TYPE OF PRINT NAME Dah	hier answelves	TELEBHONE NO. /	575 200 2575

Lusk 31 Federal No. 3 30-025-39593

Attachments to Application for Downhole Commingling (Form C-107A)

- 1. C102 for each zone is attached.
- 2. Production curve not available as this is a new well that has not been completed.
- 3. Estimated production rates and supporting data No data is available.
- 4. Allocation method to be determined by swab test on each zone.
- 5. All working, royalty, and overriding royalty interests are common in all zones.
- 6. The lower three proposed zones would all be considered unconventional completion intervals as they are either shaly limestones or outright shales which will require significant stimulation to yield fluid in commercial quantity.

DISTRICT I 1021 M. Franch Dr., Hobbs, NW 00240 DISTRICT II

State of New Mexico Energy, Minerals and Natural Resources Department

Form C-102 Revised Outober 12, 2005

DISTRICT III

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, New Mexico 87505

Sabmit to Appropriate District Offices State Lease - 4 Copies Fee Lease - 3 Copies

1000 Rie Brazes Rd., Artes. NE 87410 DISTRICT IV

1220 S. St. Francis Or., Santa Fe. NM 67508

I AMENDED REPORT

seed of the reserves only manufacture and	WELL LOCATION AND ACREAGE DEDICATION PLAT	LI AMENDED REPORT
API/Number 30-025-35953	Pool Code Poll Name 41608, LUSK; WOLFCAMP,	NORTH
Property Code 37315	Property Name LUSK "31" FEDERAL	Well Number
068iD_No. 13645	Operator Name LYNX PETROLEUM CONSULTANTS, INC.	Elevation 3676

Surface Location

UL or lot No. Section	Township Rai	ige Lot ida	Feet from the	North/South Une	Feet from the	East/West, line	County
3.1	18 9 30		1880	SOUTH	2080	EASŤ	IFA
The Manney State of the State o	1 10 9 1 9		8,403 3 3 3 3 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4				

Bottom Hole Location If Different From Surface

UL or lot No. S	cotion Townsh	its Bance Lot Ida	Feet from the	North/South line Feet from the	East/West line County
100 41 100 100					
			1]]
Deciented Acres	Joint or Infill	Committation Code	rder No.		
40			1.55		
70		, as a constant of the constan			

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED

OR A NON-STANDARD UNIT HAS BEEN APPROVED BY TI	IE DIVIDION
	OPERATOR CERTIFICATION I heraty sertify that the byormation contained harden is tria and complete to the hest of my irrounding, and belog, and that this irroganization interactions coording interest or unlassed instance in cording interest or unlassed instanced interest in the local trial proposed booten his booten, parenant to a contrain the same of such a solution in parently statement or such a solution in parently statement or in a containing positing order, heretofore entered by the division.
SURFACC LOCATION Loft N 33.42'07.04 Loft N 613.43'75 NNSPGE N 613.509.512 1 704218.337 (NAD-83)	Surveyor Certification
3677.2° 3681.2° 2090° 2090°	I hereby pertyly that the well location shown on this plat was plotted from field nates of actual surveys made by me or under my supergion and that the same is true and correct to the best of my celler. Dato furveying SEC COSTORAGE OF STRUCKERS SECURITY
. 68	Certificate No. Gary L. Jones 7977 HASIN SURVEY(S

DISTRICT 1 1025 N. Prouch Dr., Hosbe, NM 80240 DISTRICT II

DISTRICT III 1000 Rio Brazos Rd., Azteo, NK 87413

DISTRICT IV

State of New Mexico Energy, Minerals and Natural Resources Department

Submit to Appropriate District Office.

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, New Mexico 87505

State Lease - 4 Capies Fee Lease - 3 Capies

Form C-102 Revised October 12, 2005

C AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

	Pool Code Pool Name	T
30-025-3595	CISCO-CANYON WILDCA	Well Number
Property Code	LUSK 31 FEDERAL	5 Elevation
GGRID No.	Operator Name LYNX PETROLEUM CONSULTANTS, INC.	3676
13645	FANX BEINDEROW OOMOOF	

Surface Location Zast/Mest line Cauply Feet from the North/South line Feet from the Township. EAST LEA UL or lot No. Section 2080 SOUTH 1880 32 E 18 S 31 Bottom Hole location if Different From Surface County East/West line Feet from the North/South line . Feet from the Range Lot len Township Section Uli or lat No. Order No. Toint or infill Dedicated Acres 40

BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED

NO VITOMABLE A	OR A NON-STANDARD UNIT HAS BEEN APPROVED BY TH	E DITTOTT.
		OPERATOR CERTIFICATION I heraby sericly that the information contained herein is frue and compilete to the best of my himbeldy and belief and that this organization estimate mineral inforest in the land including the proposed bottom hale land including the foreign series of a compiler proposed to a content of including the statement of a compiler posting order hardly for entered by the statement.
	SURFACE LOCATION Lot N : 32:42:07.04 Long W : 03:48:13:75 MSPCE E : 70:42:8.337 (NAD-83)	Ochha McKelvey Debbie McKelvey Frinted Name SURVEYOR CERTIFICATION
	5577.2' 3651.2' C -2080'	I hereby certify that the well toombine shown on this plat was plotted from Plate notes of actual surveys made by me or under my supervisor and fint the same in true and agreed to the best of my baker. Date planetogy was considered.
	0.00	Certificate No. Gary L. Jones 797.

DISTRICT I 1625 N. French Dr., Hobbs, NM 86240 DISTRICT II 1301 W. Grand Avenue, Artesia, NN 88210

DISTRICT III

State of New Mexico Energy, Minerals and Natural Resources Department

Form C-102 Revised October 12, 2005

Submit to Appropriate District Office

State Lease - 4 Copies Fee Lease - 3 Copies

1000 Rio Brazos Rd., Azteo, NM 67410

DISTRICT IV 1220 S. St. Francis Dr., Santa Fe, NM 87505

OIL CONSERVATION DIVISION 1220 South St. Francis Dr. Santa Fe, New Mexico 87505

WELL LOCATION AND ACREAGE DEDICATION PLAT

□ AMENDED REPORT

API	Number			Pool Code			Pool Name		
30-02	5.35	953	4	1589		Lusk: .	Strawn		
Property	Code				Property Nam	16		Well No	amber
373	15			LU	ISK "31" FE	DERAL		3	
OGRID N					Operator Nam	16		Eleva	tion
136	15		LYN	X PETR	OLEUM CONS	SULTANTS, INC	.	367	6'
				·	Surface Loca	ation			
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
J	31	18 S	32 E		1880	SOUTH	2080	EAST	LEA
			Bottom	Hole Loc	ation If Diffe	rent From Sur	face		
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
Dedicated Acre	s Joint o	r Infill Co.	nsolidation (Code Or	der No.				

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

NUARU UNII HAS BEEN APPROVED BI	
SURFACE LOCATION Lat - N 32*42*07.04" Long - W 103*48*13.75" NMSPCE - N 619509.512 E 704218.337 (NAD-83)	OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belia, and that this organisation either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary posting agreement or a compulsory posting order hereinfore entered by the division While M. Kelver S. Signature Debbic M. Kelver Date
(NAU-53)	Printed Name SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervison and that the same is true and correct to the best of my belief.
3674.0' 3676.7'	Date Survey MEX Signature & Seal of Processional Surveyor Processional Surveyor Certificate No. Gary L. Jones 7977
 Lynty ender the	BASIN SURVEYS

Form 3160-5 (April, 2004)

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0137
Expires: March 31, 2007

5. Lease Serial No.

NM 23006

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for a recommendation of the state of t

6. If Indian, Allottee or Tribe Name

	orm for proposais to art Use Form 3160-3 (APD)					
SUBMIT IN TRIPLICATE – Other instructions on reverse side.					7. If Unit or CA, A	Agreement, Name and/or No.
1. Type of Well	ther	actions on				
					8. Well Name and No.	
2. Name of Operator					Lusk '31' Federal No. 3	
Lynx Petroleum Consultants, Inc.					9. API Well No.	
					30-025-39593	
3a. Address		75-392-6950				
P.O. Box 1708, Hobbs, NM 88241			6950	Ì	10. Field and Pool, or Exploratory Area Lusk No. Strawn, Lusk No. Wolfcamp,	
4. Location of Well (Footage, Sec.)		Cisco-Canyon Wildcat			
1880' FSL & 2080' FEL, Section 31, T-18S, R-32E					11. County or Parish, State	
				Lea, New Mexico		
12. CHECK APPROPRI	ATE BOX(s) TO INDIC	CATE NAT	URE OF	NOTICE,	REPORT, OR	OTHER DATA
TYPE OF SUBMISSION	TYPI	E OF ACTI	ON			
[v]	Acidize	Deepen		Produ	ction (Start/Resume)	Water Shut-Off
X Notice of Intent	Alter Casing	Fracture	Treat	Recla	mation	Well Integrity
Subsequent Report	Casing Repair	New Co	nstruction	Recomplete X		X Other
Final Abandonment Notice	Change Plans	Plug and	Abandon	Temp	Temporarily Abandon Multiple comletion and Commingle	
	Convert to Injection	Plug Bac	:k	Water Disposal		
to deepen directionally or recomplete work will be performed or provide the If the operation results in a multiple	olfcamp zones. The commin thave been economically viab are: 202-212' w/6 JSPF -92' w/4 JSPF -58' w/4 JSPF	ns and measured a kequired subseque nterval, a Form 3: ted, and the opera to request per gling will not ble to capture	nd true vertical nt reports shall 60-4 shall be f tor has determi mission to c reduce the otherwise.	I depths of all per be filed within 3 lited once testing ned that the site i complete the value of the p	tinent markers and zone 0 days following completed. Find the seen completed. Find the seed of final inspect well in multiple zouroduction and will	es. Attach the Bond under which the letion of the involved operations. inal Abandonment Notices shall be tion.) ones anddownhole commingle lallow Lynx to recover
14. I hereby certify that the foregoing is true and correct Name (Printed Typed)			Title			
Signature Allia McKelvey			Date \$ //9///)			
of the section with the section and the section and the section of	THIS SPACE FOR FED	ERAL OR S	TATE OFF	CICE USE	and the state of t	CONTRACTOR OF THE PROPERTY OF
g on this types resources and the property of the property of the control of the	AND ARCHARACTURE OF THE PROPERTY OF THE PROPER	t jehneratinakujeholmarkis				
Approved by		Title		Date		
Conditions of approval, if any, are attached. Appr holds legal or equitable title to those rights in the s		Office				

LUSK '31' FEDERAL NO. 3 30-025-39593

APPLICATION TO COMPLETE AND DOWNHOLE COMMINGLE

- 1. Tag and drill up cement and DV tool. Pressure test csg. to 1000 psi for 15 minutes.
- 2. Drill cement to PBTD of 11250'.
- 3. Circulate hole clean w/260 bbls. 2% KCL TFW leaving 2 bbls. 15% HCL-NE-FE acid on spot at 11250-11000'.
- 4. Run GR-CBL-CCL,
- 5. Perforate Zone 1.
- 6. Frac Strawn Zone 1 w/100,000 lbs. white sand carried in 3500 bbls. 10 lbs. gelled KCL water.
- 7. Set 10K Composite BP @ ± 11100'. Perforate Zone 2.
- 8. Frac Cisco-Canyon Zone 2 w/100,000 lbs. white sand carried in 3500 bbls. 10 lbs. gelled KCL water.
- 9. Set 10K Composite BP @ + 10900'. Perforate Zone 3.
- 10. Frac Cisco/Canyon Zone 3 w/100,000 lbs. white sand carried in 3500 bbls. 10 lbs. gelled KCL water.
- 11. Set 10K Composite BP @ ± 10650'. Perforate Zone 4.
- 12. Set packer @ + 10250'. Acidize Zone 4, Wolfcamp perfs, w/1200 gals. 15% HCL-NE-FE acid plus 100 ballsealers.
- 13. Swab or flow-test the Wolfcamp separately before drilling out Cisco-Canyon plugs.
- 14. Drill out BP set at 10650' and 10900'. Set packer @ ± 10500'. Test Cisco-Canyon shales.
- 15. Drill out BP set at 11100'.
- 16. Run tbg., pump, and rods, and place well on production.

New Mexico Energy, Minerals and Natural Resources Department

Bill Richardson

Governor

Jim Noel Cabinet Secretary

Karen W. Garcia Deputy Cabinet Secretary Mark Fesmire
Division Director
Oil Conservation Division



September 20, 2010

Lynx Petroleum Consultants, Inc. Attn: Ms. Debbie McKelvey P.O.Box 1708 Hobbs, NM 88241

Re:

Lynx Petroleum

Lusk 31 Federal Well No. #3

DHC Application

Dear Ms. McKelvey

The referenced application for down-hole commingling was granted on September 17, 2010 by Order DHC-4317.

The signed, original order will be posted on OCD's website.

David K. Butthe

David K. Brooks Legal Examiner 505-476-3450