Oil Cons.
N.M. DIV-Dist. 2
1301 W. Grand Avenue
Artesia, NM 88210

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Form 3160-4
(August 1999)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB NO. 1004-0137
Expires: November 30, 2000

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No. NMLC063622

1a. Type of Well ☐ Oil Well ☒ Gas Well ☐ Dry Other
b. Type of Completion: ☒ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr,.
Other

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.

2. Name of Operator: Lynx Petroleum Consultants, Inc.

8. Lease Name and Well No.: Pacer 28 Fed. #1

3. Address: P.O. Box 1708, Hobbs, NM 88241

3a. Phone No. *(include area code)*: (505) 392-6950

9. API Well No.: 30-015-32178

4. Location of Well *(Report location clearly and in accordance with Federal requirements)**

At surface 1880' FNL & 1980' FEL (Unit Letter "G")

At top prod. interval reported below Same

At total depth Same

10. Field and Pool, or Exploratory: Wildcat Morrow (Gas)

11. Sec., T., R., M., on Block and Survey or Area: Sec. 28,19S,31E

12. County or Parish: Eddy

13. State: NM

14. Date Spudded	15. Date T.D. Reached	16. Date Completed	17. Elevations (DF, RKB, RT, GL)*
7/11/03	8/8/03	☐ D & A ☒ Ready to Prod. 8/22/03	3507' GL

18. Total Depth:	19. Plug Back T.D.:	20. Depth Bridge Plug Set:
MD 12625' TVD 12625'	MD 12532' TVD 12532'	MD – TVD –

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)
GR-CNL-FDC, DLL, DIL (Submitted separately)

22. Was well cored? ☒ No ☐ Yes (Submit analysis)
Was DST run? ☐ No ☒ Yes (Submit report)
Directional Survey? ☒ No ☐ Yes (Submit copy)

23. Casing and Liner Record *(Report all strings set in well)*

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sks. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
26	20		0'	40'	–	Redimix		Surface	0'
17 1/2	13 3/8 H 48		0'	577'	–	595 C	142	Surface	0'
11	8 5/8 J 32		0'	4480'	2338'	1255 C	400	Surface	0'
7 7/8	5 1/2N-P17		0'	12625'	–	600 H	158	9800' TS	0'

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2 3/8	12385'	12385'						

25. Producing Intervals / 26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) Morrow	12456'	12530'	12487'-529'	1/2"	64	Open
B)						
C)						
D)						

27. Acid, Fracture, Treatment, Cement Squeeze, Etc.

Depth Interval	Amount and Type of Material

SEP 2003
RECEIVED
OCD - ARTESIA

ACCEPTED FOR RECORD
SEP 5 2003
LES BABYAK
PETROLEUM ENGINEER

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
8/22/03	8/25	4	→	8	107	0	54.5	0.67	Flowing

Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas : Oil Ratio	Well Status
12/64	Flwg. 1667 SI 3390	0	→	48	642	0	13375:1	SI waiting on gas connection

28a. Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						

Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas : Oil Ratio	Well Status
			→					

(See instructions and spaces for additional data on reverse side)

28b.Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method

Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas : Oil Ratio	Well Status

28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method

Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas : Oil Ratio	Well Status

29. Disposition of Gas *(Sold, used for fuel, vented, etc.)*
Flared

30. Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

31. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top Meas. Depth
Delaware	4545	-4820	Oil, Gas, Water	Top Salt	675'
Strawn	11100	-11494	D.S.T. (Attached)	Base Salt	2000'
Atoka	11705	-11733	Oil, Gas, Water	Yates	2202'
Morrow	12223	-12329	Oil, Gas, Water	Delaware	4342'
Morrow	12487	-12529	Oil, Gas	Bone Spring	6862'
				Wolfcamp	10150'
				Strawn	11198'
				Atoka	11502'
				Morrow	11855'

32. Additional remarks (include plugging procedure):

33. Circle enclosed attachments:

1. Electrical/Mechanical Logs (1 full set req'd.)
2. Geologic Report
3. DST Report
4. Directional Survey
5. Sundry Notice for plugging and cement verification
6. Core Analysis
7. Other: Deviation Survey

34.I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)*

Name *(please print)* Marc Wise Title President

Signature _____ Date 9/4/03

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

Schlumberger

Job Summary
Lynx Petroleum
DST

Pacer 28 Federal #1 One Service Order Number : **10625790**
West Lusk Test Date : **31-Jul-03**

Company Rep	Gary Fonay	**SWS Rep**	Jeremy Cates

Test Information

Test Number	One	Formation	Strawn
		Interval (MD ft)	11203-11495

Well Location

Well	Pacer 28 Federal #1 One	Rig	Mc Vay #4
Field	West Lusk	State	Eddy - New Mexico

Wellbore Configuration

		Cushion	
Total Depth (MD/TVD ft)	11495	Wellbore Radius (ft)	7.875
Casing / Liner ID (in)	8.625	Mud Weight (lb/gal)	8.7
Top of Liner (md- ft)	4480	Mud Type	PAC
		Mud: Chloride/Resistivity	28000

Test String Configuration

Pipe Length (ft) / ID (in)	10544	Gauge Depth (MD)	11495
Pipe Length (ft) / ID (in)		Gauge Depth (TVD)	11495
Drill Collar Length (ft) / ID (in)	868	Test Valve Type	MFE
Packer Depths (ft MD)	11197 / 11203	Test Valve Depth (ft) (MD)	11178

Key Information

Initial Hydrostatic Pressure	5211	Final Shut In Pressure	5369
Init. Hyd Grad & Density	0.453 psi/ft / 8.72 lb/gal	FinalShut In Grad & Density	0.467 psi/ft / 8.98 lb/gal
Final Hydrostatic Pressure	6206	Final Flowing Pressure	307
Final Hyd Grad & Density	0.540 psi/ft / 10.38 lb/gal	Final Flow Rate ( )	
Bottom Hole Temp	165	Productivity Index ( )	

This is DST # one. The strawn formation was evaluated from 11203 to 11495. There was gas to surface 40 minutes into the second flow period. The pipe recovery was .44 bbls of oil, .44 bbls of oil and gas cut mud, .88 bbls of gas cut mud. Please direct any questions about this test to the Hobbs Testing District. Thank You for using Schlumberger.

Schlumberger Crew

Jeremy Cates

Schlumberger

Sample Chamber Data

Lynx Petroleum

DST

Pacer 28 Federal #1 One — **10625790**

West Lusk — **31-Jul-03**

Sample Chamber Capacity (cc) 2500

Measured Fluid Recovery

			Temp (F)	Press (psia)
Oil (cc)	600	API Gravity 45	75	5000.0
Water (cc)	0	Res. (ohms) ...	75	5000.0
Mud (cc)	0	Res. (ohms) ...		
Total Liquid Recovery (cc)	600			
Gas (ft3)	1.697		75	5000.0

Corrected Sample Chamber Gas Recovery

Bottomhole Temperature (F)	165	Assumed SC Gas Gravity	0.650
Final Flowing Pressure (psia)	307	Est Z Value @ Pwf and Tres	0.970
Corrected Gas Recovery (scf)	1.202		

Sample Chamber Fluid Ratios

Sample Chamber Water Cut	0.0%
GOR Using Corrected Gas Recovery ...	319
GLR Using Corrected Gas Recovery	319

Pipe Recovery

Description	Recovery feet	Pipe ID (in)	Recovery bbl	Oil Density API	RES ohm	CHL ppm
oil	90		0.44	45@75 F	@ 75 F	@ 75 F
oil/gas cut mud	90		0.44	@ 75 F	@ 75 F	28k @ 75 F
gas cut mud	180		0.88	@ 75 F	@ 75 F	28k @ 75 F

McVAY DRILLING COMPANY
Post Office Box 924
Hobbs, New Mexico 88241
(505) 397-3311
FAX: 39-DRILL

Well Name and Number: Pacer "28" Fed #1

Location: Sec. 28, T19S, R31E

Operator: Lynx

Drilling Contractor: McVay Drilling Company

The undersigned certifies that he is an authorized representative of the drilling contractor who drilled the above described well and that he has conducted deviation tests and obtained the following results:

Degrees @ Depth		Degrees @ Depth		Degrees @ Depth	
¼	302	¾	4928	¾	9159
¾	541	¾	5428	¼	9562
1	854	1	5931	½	10145
¾	2420	¼	6437	½	10237
¾	2919	½	6944	¾	10710
1	3418	½	7451	¾	11202
1 ¼	3914	½	8148	¾	11448
¾	4444	½	8655	1	11949
				1	12442

Drilling Contractor: McVay Drilling Company

By: _____

Subscribed and sworn to before me this 14th day of August, 2003

_____
Notary Public

My Commission Expires: 8-16-05

Lea County, New Mexico