

PKR V0315356611

DHC

NA



POGO PRODUCING COMPANY

NVS

May 20, 2003

CM RRR 7160 3901 9844 0594 6662

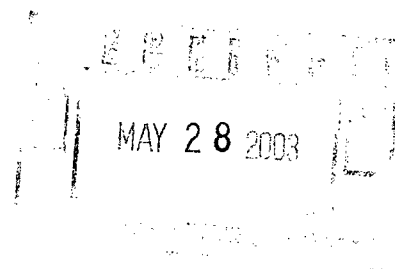
New Mexico Oil Conservation Division

Attn: Mr. David R. Catanach

1220 South St. Francis Drive

Santa Fe, New Mexico 87505

Re: CEDAR CANYON PROSPECT
Eddy County, New Mexico
**APPLICATION FOR ADMINISTRATIVE APPROVAL
FOR DOWNHOLE COMMINGLING**
Harroun 15 № 13 Well
660' FSL and 360' FEL, Unit P,
Section 15, T-24-S, R-29-E
Pogo Lease № L668



Gentlemen:

Pogo Producing Company hereby respectfully submits Form C-107A (in duplicate), along with attachments thereto, in connection with Pogo's request for Administrative Approval to downhole commingle production from the captioned well. A copy of this application, along with all attachments thereto, has been sent to the New Mexico Oil Conservation Division's District Supervisor in Artesia, New Mexico, and the Bureau of Land Management.

Should you have any questions regarding this matter, please contact Mr. Mark Kelley in this office at (432) 685-8100.

Sincerely,

POGO PRODUCING COMPANY

R. Scott McDaniel
District Landman

RSM/dkr

Enclosures

cc (w/enclosures): New Mexico Oil Conservation Division
Attn: District Supervisor
1301 W. Grand Ave.
Artesia, New Mexico 88210-2834

Bureau of Land Management
P.O. Box 27115
Santa Fe, New Mexico 87502-0115

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

District II
1301 West Grand Ave, Artesia, NM 88210

District III
1000 Rio Brazos Road, Aztec, NM 87410

District IV
1220 South St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-107A
Revised May 15, 2000

OIL CONSERVATION DIVISION

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

APPLICATION TYPE

☒ Single Well

☐ Establish Pre-Approved Pools

EXISTING WELLBORE

☒ Yes ☐ No

APPLICATION FOR DOWNHOLE COMMINGLING

Pogo Producing Company

P. O. Box 10340

Midland, TX 79702-7340

Operator
Harroun 15

13

Address
P, Sec 15, T-24-S, R-29-E

Eddy

Lease
017891

Well No.
17565

Unit Letter-Section-Township-Range
30-015-31711

County

☒

OGRID No. _____ Property Code _____ API No. _____ Lease Type: ☐ Federal ☐ State ☐ Fee

DATA ELEMENT	UPPER ZONE	INTERMEDIATE ZONE	LOWER ZONE
Pool Name	Cedar Canyon; Delaware ✓		Pierce Crossing, East; Bone Spring ✓
Pool Code	11540		96473
Top and Bottom of Pay Section (Perforated or Open-Hole Interval)	Perforations 5282-5310'		Perforations 7780-7802' (Proposed)
Method of Production (Flowing or Artificial Lift)	Artificial Lift		Artificial Lift
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)	Current: 500 psi Producing (e) Original: 2100 psi Shut-In (e)		Current: 2100 psi Initial Completion (e) Original: 2100 psi Partially Depleted (e)
Oil Gravity or Gas BTU (Degree API or Gas BTU)	39.2 degrees API		42.8 degrees API
Producing, Shut-In or New Zone	Shut-In		New Zone to be Completed
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)	Date: 4-19-03 Rates: 3 BO, 20 BW, 11 MCF	Date: Rates:	Date: Estimated Rates: 7 BO, 4 BW, 55 MCF (Based on last test of equivalent SI zone in direct north offset Harroun 15 #4)
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 30 % 17 %	Oil Gas % %	Oil Gas 70 % 83 %

ADDITIONAL DATA

Are all working, royalty and overriding royalty interests identical in all commingled zones?
If not, have all working, royalty and overriding royalty interest owners been notified by certified mail?

Yes ☒ No _____
Yes _____ No _____

Are all produced fluids from all commingled zones compatible with each other?

Yes ☒ No _____

Will commingling decrease the value of production?

Yes _____ No ☒

If this well is on, or communitized with, state or federal lands, has either the Commissioner of Public Lands
or the United States Bureau of Land Management been notified in writing of this application?

Yes ☒ No _____

NMOCD Reference Case No. applicable to this well: _____

Attachments:

- C-102 for each zone to be commingled showing its spacing unit and acreage dedication.
- Production curve for each zone for at least one year. (If not available, attach explanation.)
- For zones with no production history, estimated production rates and supporting data.
- Data to support allocation method or formula.
- Notification list of working, royalty and overriding royalty interests for uncommon interest cases.
- Any additional statements, data or documents required to support commingling.

PRE-APPROVED POOLS

If application is to establish Pre-Approved Pools, the following additional information will be required:

- List of other orders approving downhole commingling within the proposed Pre-Approved Pools
- List of all operators within the proposed Pre-Approved Pools
- Proof that all operators within the proposed Pre-Approved Pools were provided notice of this application.
- Bottomhole pressure data.

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

SIGNATURE Mark V. Kelley TITLE Sr. Petroleum Engineer DATE 5-16-2003
Mark V. Kelley
TYPE OR PRINT NAME _____ TELEPHONE NO. () _____
915 685-8100

DISTRICT I
P.O. Box 1888, Hobbs, NM 88241-1888

DISTRICT II
P.O. Drawer 88, Artesia, NM 88211-0718

DISTRICT III
1000 Elko Branch Rd., Artesia, NM 87410

DISTRICT IV
P.O. Box 2088, Santa Fe, N.M. 87504-2088

State of New Mexico

Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

Form C-102
Revised February 10, 1994
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

WELL LOCATION AND ACREAGE DEDICATION PLAT

☐ AMENDED REPORT

API Number 30-015-31711	Pool Code 96473	Pool Name Pierce Crossing, East; Bone Spring
Property Code 17565	Property Name HARROUN "15"	Well Number 13
OGRID No. 017891	Operator Name POGO PRODUCING COMPANY	Elevation 2942'

Surface Location

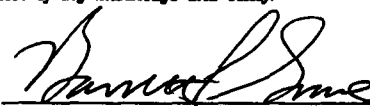
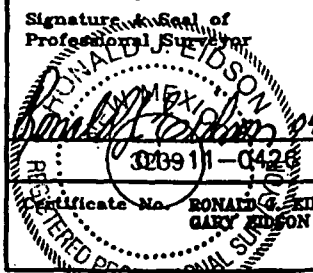
UL or lot No. P	Section 15	Township 24-S	Range 29-E	Lot Idn	Feet from the 660	North/South line SOUTH	Feet from the 360	East/West line EAST	County EDDY
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Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
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Dedicated Acres 40	Joint or Infill	Consolidation Code	Order No.
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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

					OPERATOR CERTIFICATION				
					I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief.				
					Signature 				
					Printed Name Barrett L. Smith				
					Title Div. Operations Engr.				
					Date 5-15-2003				
					Date				
					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 supervision, and that the same is true and correct to the best of my belief.				
					APRIL 10, 2001				
					Date Surveyed AWB				
					Signature & Seal of Professional Surveyor 				
					Certificate No. RONALD J. EIDSON 3239 GARY EIDSON 12641				

DISTRICT I
P.O. Box 1980, Hobbs, NM 88241-1980

DISTRICT II
P.O. Drawer 50, Artesia, NM 88211-0719

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

DISTRICT IV
P.O. BOX 2088, SANTA FE, N.M. 87504-2088

State of New Mexico

Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

Form C-102

Revised February 10, 1994

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WELL LOCATION AND ACREAGE DEDICATION PLAT

☐ AMENDED REPORT

API Number 30-015-31711	Pool Code 11540	Pool Name Cedar Canyon, Delaware
Property Code 17565	Property Name HARROUN "15"	Well Number 13
OGRID No. 017891	Operator Name POGO PRODUCING COMPANY	Elevation 2942'

Surface Location

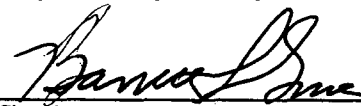
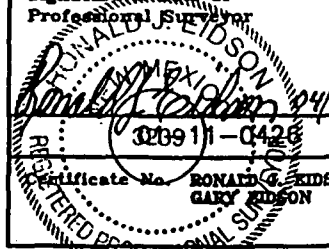
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						OPERATOR CERTIFICATION	
						I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief.	
							
						Signature Barrett L. Smith Printed Name Div. Operations Engr. Title 5-15-2003 Date	
						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 supervision, and that the same is true and correct to the best of my belief.	
						APRIL 10, 2001	
						Date Surveyed Signature & Seal of Professional Surveyor  Certificate No. RONALD G. EDSON 3239 GARY EDSON 12841	

Lease Name: HARROUN 15
County, State: EDDY, NM
Operator: POGO PRODUCING COMPANY
Field: CEDAR CANYON
Reservoir: DELAWARE
Location: 15 24S 29E E2 SE SE

WELL #13 - CUM PROD FROM 09/2001: 2,493 bbl OIL, 5,813 mcf GAS, 16,670 bbl WTR LOC: 15 24S 29E E2 SE SE

