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OKLAHOMA CORPORATION COMMISSION  
Oil & Gas Conservation Division  
Post Office Box 52000  
Oklahoma City, Oklahoma 73152-2000

Form 1023  
Rev. 2007

1. API No. 083-20924 **B**  
2. OTC Prod. Unit No.  
3. Date of Application 2/26/2013

4. Application For (check one)  
 A. Commingle Completion in the Wellbore (165:10-3-39)  
 B. Commingle Completion at the Surface (165:10-3-39)  
 C. Multiple (Dual) Completion (165:10-3-36)  
 D. Downhole Multiple Choke Assembly (165:10-3-37)

5. Operator Name Marjo Operating Co., Inc. OTC/OCC No. 19301 ✓ Email carolyn@marjoop.com  
Address P.O. Box 729 Phone No. 918-583-0241  
City Tulsa State OK Zip 74101-0729  
6. Lease Name/Well No. Bahan-Pollard 4-5 ✓ FAX No. 918-582-8159  
Location within section: SW 1/4 NE 1/4 NE 1/4 NE 1/4 Sec. 5 Twp 18N Rge 4W ✓ County Logan ✓

8. The following facts are submitted:	UPPER ZONE	INTERMEDIATE ZONE	LOWER ZONE
A. Name of common source of supply	Carmichael ✓	Lower Layton ✓	Cleveland ✓
B. Top and bottom of pay section (perforations)	3457-3485 (est) ✓	4785-4795 ✓	5225-5275 (est) ✓
C. Type of production (oil or gas)	Gas (depleted)	Oil	Gas
D. Method of production (flowing or art. lift)	Flowing	Flowing	Flowing ✓
E. Latest test data by zone (oil, gas, and water)	Not tested	2 bpd oil ✓	19 mcf gas ✓
F. Wellhead or bottom hole pressure		WH 760 psi ✓	WH 800 psi ✓
G. Spacing order number and size of unit	40 acre, <sup>unspaced</sup> lease ✓	40 acre/#28337 ✓	40 acre, <sup>unspaced</sup> lease ✓
H. Increased density order number	N/A	N/A	N/A
I. Location exception order number and penalty	N/A	N/A	N/A

If 4A, 4B or 4D above, and size of the units under 8G above are not the same, have the different allocations been addressed?  Yes  No

9. List all operators with mailing addresses within 1/2 mile, producing from the above listed zones.  
Gilliland Oil & Gas  
Southwestern Exp Consultants  
Oklahoma Corporation Commission  
Oil & Gas Division  
**Approved**

10. The operators listed above have been notified and furnished a copy of this application.  Yes  No  
If no, an affidavit of mailing must be filed not later than five (5) days after submission of this application.

11. Classification of well (see OAC 165:10-13-2)  Oil  Gas

12. ATTACH THE FOLLOWING:  
A. Correlation log section (porosity, resistivity, or gamma ray) with top and bottom of perforated intervals marked.  
B. Diagrammatic sketch of the proposed completion of the well.  
C. Plat showing the location of all wells within 1/2 mile producing from the zones listed above.  
D. If 4B, 4C or 4D above, a Form 1024, Packer Setting Report, and a Form 1025 Packer Leakage Test.  
E. If 4A, 4B or 4D above, and size of the units under 8G above are not the same, have the different allocations been addressed?  Yes  No

I hereby certify that I am authorized to submit this application which was prepared by me or under my supervision. The facts and proposals made herein are true correct and complete to the best of my knowledge and belief.

*Carolyn Bennett*  
Signature

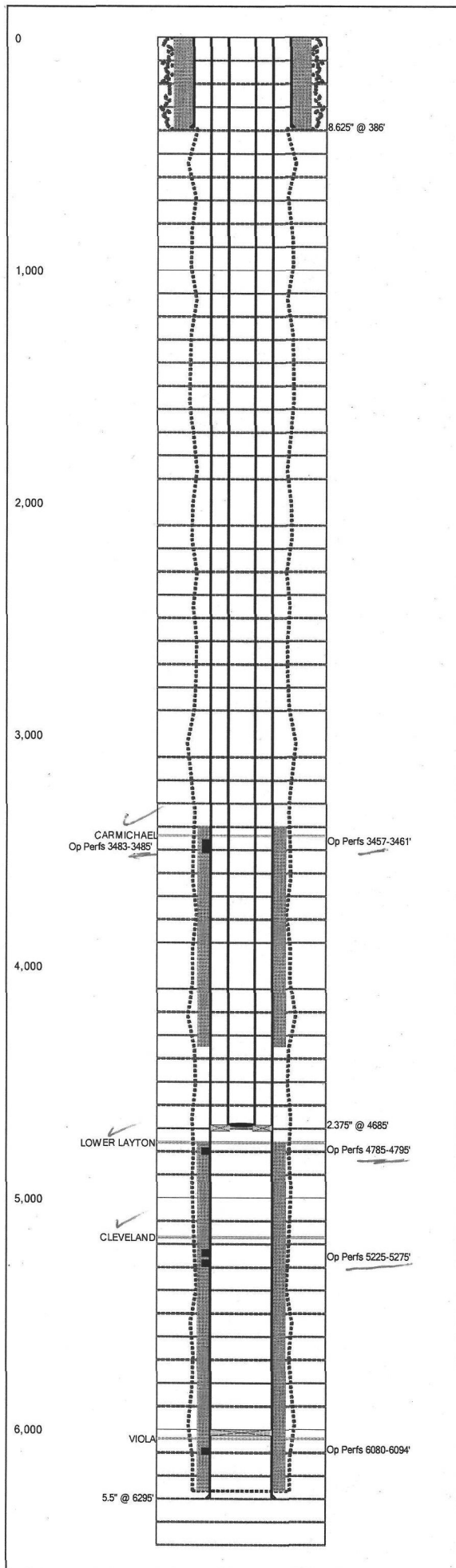
Engineer  
Title

918-583-0241  
Phone (AC/NO)

OCC USE ONLY

Staff Signature \_\_\_\_\_ Phone No. \_\_\_\_\_ Date 3.15.13  Approved  Rejected

Last Updated: 2/26/2013 01:26 PM



Field Name		Lease Name		Well No.
CRESCENT-LOVELL		BAHAN-POLLARD 4-5		4-5
County, State			API No.	
Logan, Oklahoma			35083209240000	
Version	Version Tag			
0	Current			
G.L. (ft)	K.B. (ft)	Sec.	Township/Block	Range/Survey
1,017.0	1,026.0	5	18N	4W
Operator		Well Status	Latitude	Longitude
Marjo Operating Co., Inc.				
Footage Call				
2210' FSL & 2160' FWL From NE/4				
PropNum		Spud Date	Comp. Date	
		5/9/1978	7/4/1978	
Additional Information				
Prepared By				
Brian				
Updated By		Last Updated		
Brian		2/26/2013 1:26 PM		

Hole Summary

Date	O.D. (in)	Top (MD ft)	Bottom (MD ft)	Comments
	12.250	0	393	Assumed
	7.875	393	6,265	PBTD 6119' from CBL

Tubular Summary

Date	Description	O.D. (in)	Wt (lb/ft)	Grade	Top (MD ft)	Bottom (MD ft)
	Surface Casing	8.625	23.00		0	386
	Production Casing	5.500	14.00		0	6,295
11/2/2012	Tubing	2.375			0	4,685

Casing Cement Summary

Date	No. Sx	Csg. O.D. (in)	Top (MD ft)	Bottom (MD ft)	Comments
	393	8.625	0	393	1002A shows 300 sx
		5.500	3,397	4,350	
	350	5.500	4,760	6,265	

Tools/Problems Summary

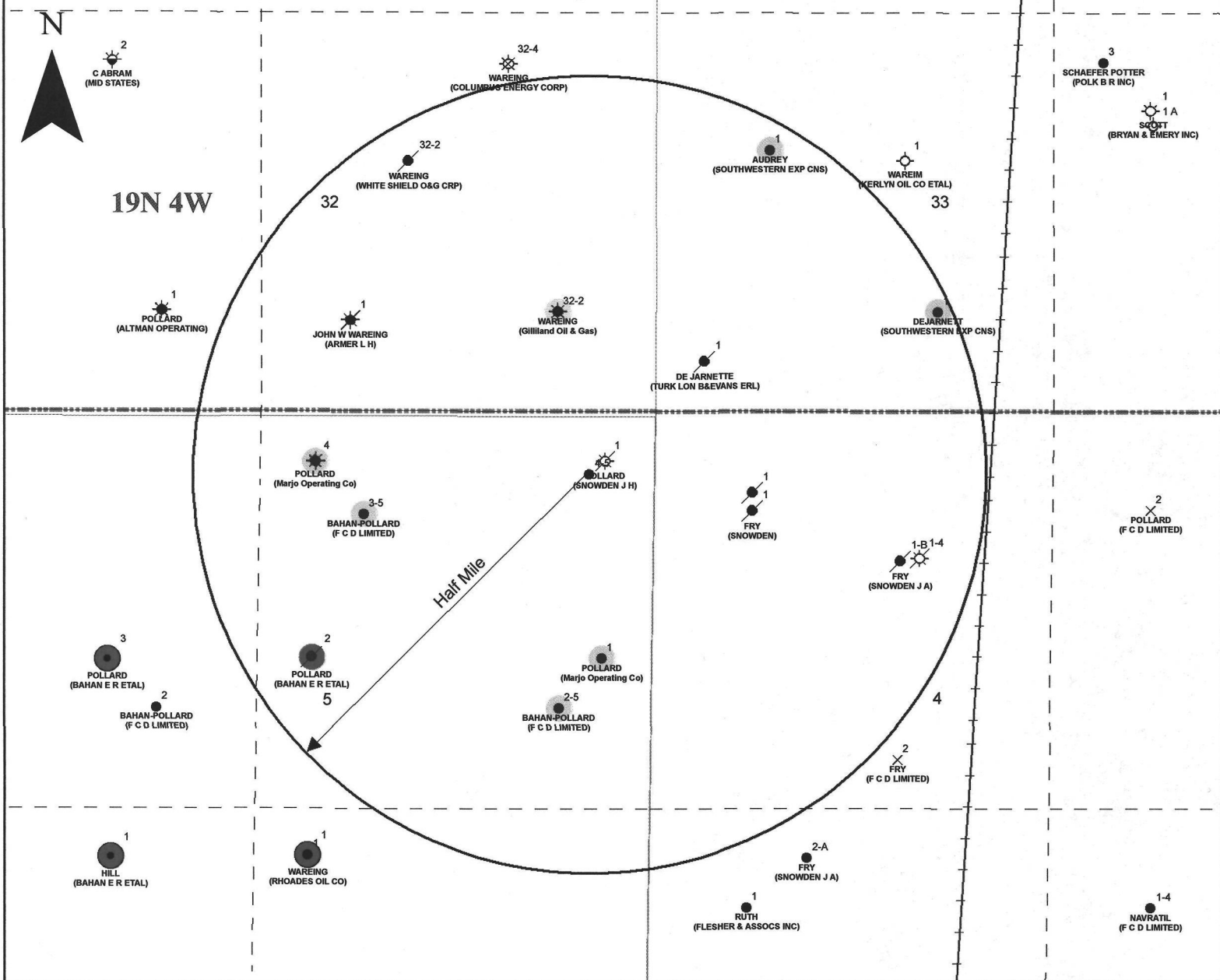
Date	Tool Type	O.D. (in)	I.D. (in)	Top (MD ft)	Bottom (MD ft)
11/2/2012	Pkr	5.500	2.000	4,685	0
11/2/2012	CIBP	5.500	0.000	6,000	0

Perforation Summary

C	Date	Perf. Status	Formation	OA Top (MD ft)	OA Bottom (MD ft)	Shots
		Open	Middle Carmichael	3,457	3,461	
		Open	Upper Carmichael	3,483	3,485	
	10/31/2012	Open	LAYTON	4,785	4,795	
		Open	CLEVELAND	5,225	5,275	
		Open	VIOLA	6,080	6,094	28

Formation Tops Summary

Formation	Top (MD ft)	Comments
CARMICHAEL	3,438	
LOWER LAYTON	4,762	
CLEVELAND	5,172	
VIOLA	6,040	



# Marjo Operating Co., Inc. Bahan Pollard 4-5

Commingle Application OCC form 1023

Map showing location of all wells within 1/2 mile of the subject well.

Scale 1:12,000 February 20th, 2013

## Legend

### Producing Formation

- Other Formations
- Cleveland, Oswego
- Cottage Grove



**Company** CHARTER OAK PRODUCTION CO., LLC.  
**Well** LADD ROAD SWD #1  
**Field** N/A  
**County** McCLAIN  
**State** OKLAHOMA



**CASED HOLE**  
**COMPENSATED NEUTRON**  
**GAMMA RAY**

	<b>SEC</b> 07	<b>TWP</b> 06N	<b>RGE</b> 02W		<b>OTHER SERVICES:</b> RADIAL BOND	
Location. 759' FNL & 1086' FEL			NW SW NE NE			
SURF. SAME			APH. 035-087-21946			
Permanent Datum		Ground Level		Elev 1224		<b>ELEVATIONS</b> K.B. 1239
Log Measured From		Kelly Bushing				G.L. 1224
Drilling Measured From		Kelly Bushing				D.F. N/A
<b>Date</b>	14-MAR-2013					
<b>Run No.</b>	ONE					
<b>ID Driller</b>	4095	ft.				ft.
<b>TD RECON</b>	4036	ft.				ft.
<b>Bot Logged Interval</b>	4031	ft.				ft.
<b>Top Logged Interval</b>	20	ft.				ft.
<b>Casing Depth Driller</b>	9 5/8	in.	@	450	in.	@
<b>Casing Depth RECON</b>	N/A	in.	@	N/A	in.	@
<b>Bit Size</b>	8 3/4	in.				in.
<b>Drilling Fluid Type</b>	FRESH WATER					
<b>Density</b>	8.3 ppg		N/A			
<b>Fluid Loss</b>	N/A		N/A			
<b>Source Of Sample</b>	Flowline					
<b>RM @ Measured Temp</b>	N/A	Ohmm	@	N/A	Ohmm	@
<b>RMF @ Measured Temp</b>	N/A	Ohmm	@	N/A	Ohmm	@
<b>RMC @ Measured Temp</b>	N/A	Ohmm	@	N/A	Ohmm	@
<b>RM @ MRT</b>	N/A	Ohmm	@	N/A	Ohmm	@
<b>Max Recorded Temp</b>	N/A		DegF			DegF
<b>Time Drilling Stopped</b>	N/A		N/A			
<b>Time Circulation Stopped</b>	N/A		N/A			
<b>Time Logger On Bottom</b>	14-MAR-2013		09:00			
<b>Unit Num</b>	S407		OKLAHOMA CITY, OK.			
<b>Recorded By</b>	H. GARCIA					
<b>Witnessed By</b>	MR. B. NOVOTNY					

81-21946

# RECON

## RADIAL CEMENT BOND LOG GAMMA RAY CCL

Company Well Field County State	CHARTER OAK PRODUCTIONS LADD ROAD SWD NO. 1 N/A McCLAIN OKLAHOMA	Company CHARTER OAK PRODUCTIONS Well LADD ROAD SWD NO. 1 Field N/A County McCLAIN State OKLAHOMA
	Location: SEC 07 TWP 6N RGE 2W API #: 087 21946	Other Services CNL
	Permanent Datum GROUND LEVEL Elevation 1224 Log Measured From KELLY BUSHING @ 15 FT APD Drilling Measured From KELLY BUSHING	Elevation K.B. 1239 D.F. N/A G.L. 1224

Date	MARCH-14-2013
Run Number	ONE
Depth Driller	4095
Depth Logger	4036
Bottom Logged Interval	4036
Top Log Interval	SURFACE
Open Hole Size	8.75
Type Fluid	WATER
Density / Viscosity	N/A
Max. Recorded Temp.	N/A
Estimated Cement Top	SURFACE
Time Well Ready	CRANE TRUCK
Time Logger on Bottom	12:00
Equipment Number	406
Location	OKC,OK
Recorded By	Z. USSERY
Witnessed By	MR. BILL NOVOTNY

Borehole Record				Tubing Record			
Run Number	Bit	From	To	Size	Weight	From	To

Casing Record	Size	Wgt/Ft	Top	Bottom
Surface String	9 5/8		SURFACE	450
Prot. String				
Production String	7	26#	SURFACE	4090
Liner				

>>>> Fold Here <<<<

COMPANY: **F.C.D. LTD.**  
 WELL: **BARAN POLLARD NO. 4-5**  
 FIELD: **CRESCENT-LOVELL**  
 COUNTY: **LOGAN** STATE: **OKLAHOMA**

LOG MEASURED FROM: **5-21-78**  
 DISTINGUISHED FROM: **5-21-78**

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**DETAIL LOG**

SPONTANEOUS POTENTIAL MILLIVOLTS	RESISTIVITY OHMS M <sup>2</sup> M LATERLOG - 8
	MEDIUM INDUCTION
	DEEP INDUCTION
RXC/RT	

CALIPER DIAM IN INCHES	CORRECTION GRAMS CC
GAMMA RAY API UNITS	BULK DENSITY GRAMS CC
	POROSITY PERCENT

