

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**

THIS CHECKLIST IS MANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AND REGULATIONS WHICH REQUIRE PROCESSING AT THE DIVISION LEVEL IN SANTA FE

**Application Acronyms:**

- [NSL-Non-Standard Location] [NSP-Non-Standard Proration Unit] [SD-Simultaneous Dedication]
- [DHC-Downhole Commingling] [CTB-Lease Commingling] [PLC-Pool/Lease Commingling]
- [PC-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]
- [EOR-Qualified Enhanced Oil Recovery Certification] [PPR-Positive Production Response]

[1] **TYPE OF APPLICATION** - Check Those Which Apply for [A]

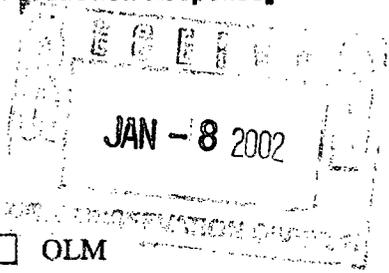
- [A]  Location - Spacing Unit - Simultaneous Dedication  
 NSL  NSP  SD

Check One Only for [B] or [C]

- [B]  Commingling - Storage - Measurement  
 DHC  CTB  PLC  PC  OLS  OLM

- [C]  Injection - Disposal - Pressure Increase - Enhanced Oil Recovery  
 WFX  PMX  SWD  IPI  EOR  PPR

[D] Other: Specify \_\_\_\_\_



[2] **NOTIFICATION REQUIRED TO:** - Check Those Which Apply, or Does Not Apply

- [A]  Working, Royalty or Overriding Royalty Interest Owners
- [B]  Offset Operators, Leaseholders or Surface Owner
- [C]  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] **SUBMIT ACCURATE AND COMPLETE INFORMATION REQUIRED TO PROCESS THE TYPE OF APPLICATION INDICATED ABOVE.**

[4] **CERTIFICATION:** I hereby certify that the information submitted with this application for administrative approval is accurate and complete to the best of my knowledge. I also understand that no action will be taken on this application until the required information and notifications are submitted to the Division.

Note: Statement must be completed by an individual with managerial and/or supervisory capacity.

James Bruce		Attorney for Applicant	1/3/02
Print or Type Name	Signature	Title	Date
JAMES BRUCE		jamesbruc@aol.com	
P.O. BOX 1056		e-mail Address	
SANTA FE, NM 87504			

**JAMES BRUCE**  
ATTORNEY AT LAW

POST OFFICE BOX 1056  
SANTA FE, NEW MEXICO 87504

324 MCKENZIE STREET  
SANTA FE, NEW MEXICO 87501

(505) 982-2043  
(505) 982-2151 (FAX)

January 3, 2002

Michael E. Stogner  
Oil Conservation Division  
1220 South St. Francis Drive  
Santa Fe, New Mexico 87505

Dear Mr. Stogner:

Pursuant to Division Rule 104.F.(2), Pogo Producing Company applies for administrative approval of an unorthodox oil well location for the following well:

Well: Lost Tank "3" Fed. Well No. 8  
Location: 1330 feet FNL & 550 feet FEL  
Unit: SE $\frac{1}{4}$ NE $\frac{1}{4}$  of Section 3, Township 22 South, Range 31  
East, N.M.P.M., Eddy County, New Mexico

The well will be drilled to test the Delaware formation (West Lost Tank- Delaware Pool), which is developed on statewide rules. An APD and a Form C-102 are attached as Exhibits A and B.

The application is based on geologic reasons. The pool produces from several Delaware sands, with two of the most prolific being the Lower Brushy BC-4 Sand and the Middle Brushy "F" Sand. Attached as Exhibits C and D are isopachs of those sands. The proposed location optimizes the opportunity to encounter a thick Middle Brushy "F" Sand while also providing the opportunity to encounter a thick Lower Brushy BC-4 Sand interval. In addition, the proposed location maintains a high structural position. See Exhibit E.

As shown on Exhibit F, Federal Lease NM 0417696 covers all of Section 3, among other acreage. Royalty, overriding royalty, and working interest ownership are common throughout Section 3. Thus, the well does not adversely affect anyone, and notice has not been given to any offset interest owner.

Please call me if you need any further information on this matter.

Very truly yours,

A handwritten signature in cursive script that reads "James Bruce". The signature is written in dark ink and is positioned above the printed name.

James Bruce

Attorney for Pogo Producing Company

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
**RECEIVED**  
BUREAU OF LAND MANAGEMENT

**APPLICATION FOR PERMIT TO DRILL OR DEEPEN**

1A. TYPE OF WORK  
DRILL  MIDLAND DEEPEN

B. TYPE OF WELL  
OIL WELL  GAS WELL  OTHER  SINGLE ZONE  MULTIPLE ZONE

2. NAME OF OPERATOR  
POGO PRODUCING COMPANY (RICHARD WRIGHT 915-685-8140)

3. ADDRESS AND TELEPHONE NO.  
P.O. BOX 10340 MIDLAND, TEXAS 79702-7340 (915-695-8100)

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)\*  
At surface 1330' FNL & 550' FEL SEC. 3 T22S-R31E EDDY CO. NM  
At proposed prod. zone SAME

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*  
Approximately 30 miles East of Carlsbad New Mexico

15. DISTANCE FROM PROPOSED LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 550'

15. DISTANCE FROM PROPOSED LOCATION TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 1000'

21. ELEVATIONS (Show whether DF, RT, GR, etc.) 3503' GR.

5. LEASE DESIGNATION AND SERIAL NO.  
NM-0417696

6. IF INDIAN, ALLOTTEE OR TRIBE NAME  
-----

7. UNIT AGREEMENT NAME  
-----

8. FARM OR LEASE NAME, WELL NO.  
LOST TANK "3" FEDERAL # 8

9. AM WELL NO.  
-----

10. FIELD AND POOL, OR WILDCAT  
LOST TANK DELAWARE-WEST

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
SEC. 3 T22S-R31E

12. COUNTY OR PARISH 13. STATE  
EDDY CO. NEW MEXICO

16. NO. OF ACRES IN LEASE 1280

17. NO. OF ACRES ASSIGNED TO THIS WELL 40

19. PROPOSED DEPTH 8500'

20. ROTARY OR CABLE TOOLS ROTARY

22. APPROX. DATE WORK WILL START\* WHEN APPROVED

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	GRADE SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
25"	Conductor	NA	40'	Cement to surface with Redi-mix.
17½"	H-40 13 3/8"	48	825'	800 Sx. circulate to surface
11"	J-55 8 5/8"	32	4200'	1500 Sx. circulate to surface
7 7/8"	J-55 5½"	17 & 15.5	8500'	1650 Sx cement in 3 stages circulate

1. Drill 25" hole to 40'. Set 40' of 20" conductor pipe and cement to surface with Redi-mix.
2. Drill 17½" hole to 825'. Run and set 825' of 13 3/8" 48# H-40 ST&C casing. Cement with 800 Sx. of Class "C" cement + 2% CaCl, + ¼# Floceles/Sx. Circulate cement to surface.
3. Drill 11" hole to 4200'. Run and set 4200' of 8 5/8" 32# J-55 ST&C casing. Cement with 1500 Sx. of Class "C" cement + 2% CaCl, = ¼# Flocele/Sx. circulate cement to surface.
4. Drill 7 7/8" hole to 8500'. Run and set 5½" casing as follows: 2500' of 5½" 17# J-55 LT&C, 5000' of 5½" 15.5# J-55 LT&C, 1000' of 17# J-55 LT&C casing. Cement in 3 stages with DV tools at 6100' & 3700' ±. 1st stage cement with 650 Sx. of Class "H" + additives, 2nd stage cement with 600 Sx. of Class "C" + additives, 3rd stage cement with 400 Sx. of Class "C" + additives, circulate cement to surface as per R-111-P.

ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen, give data on present productive zone and proposed new productive zone. If proposal is to drill or open directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

SIGNED Joel T. Janice TITLE Agent DATE 09/25/01

(This space for Federal or State office use)

PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_

Application approval does not warrant or certify that the applicant holds legal or equitable title which would entitle the applicant to conduct operations thereon. CONDITIONS OF APPROVAL, IF ANY:



APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_

\*See Instructions On Reverse Side

DISTRICT I  
P.O. Box 1986, Hobbs, NM 88241-1986

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

DISTRICT III  
1000 Rio Brazos Rd., Artes, 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	Pool Code	Pool Name
	96582	LOST TANK DELAWARE-WEST
Property Code	Property Name	Well Number
20943	LOST TANK 3 FED	8
GRID No.	Operator Name	
17891	POGO PRODUCING COMPANY	3503' 3503'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
H	3	22-S	31-E		1330	NORTH	550	EAST	EDDY

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

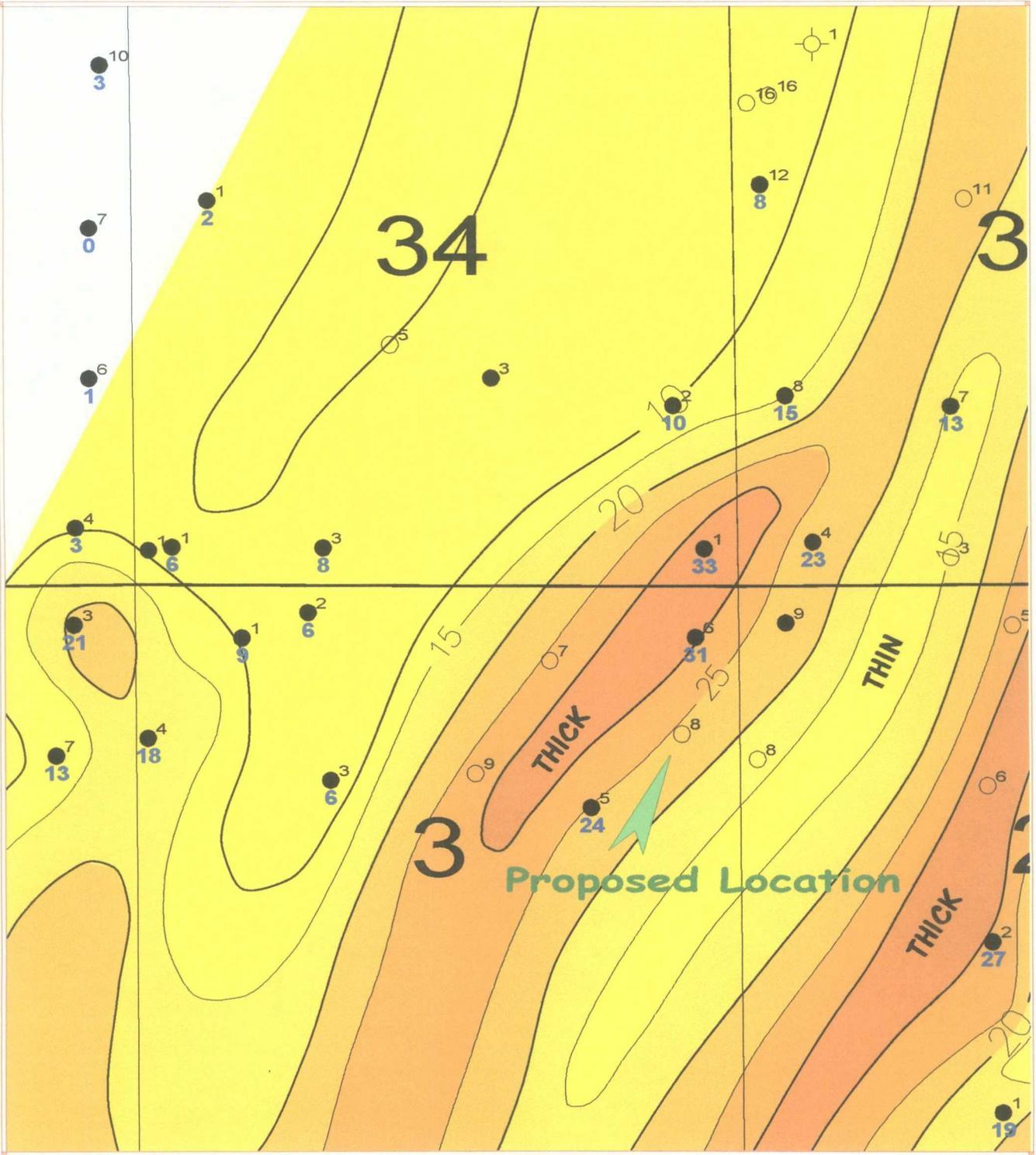
Dedicated Acres	Joint or InHH	Consolidation Code	Order No.
40			

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

LOT 4 39.65 AC	LOT 3 39.78 AC	LOT 2 39.92 AC	LOT 1 40.05 AC		<p><b>OPERATOR CERTIFICATION</b></p> <p>I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief.</p> <p><i>Joe T. Janica</i> Signature</p> <p>Joe T. Janica Printed Name</p> <p>Agent Title</p> <p>09/25/01 Date</p>







Blumberg No. 5208  
**EXHIBIT**  
**D**

 **POGO PRODUCING COMPANY**

**Lost Tank West Delaware**

Isopach Map

Brushy "F" Sand Net Sand (14% Porosity Cutoff)  
 Eddy County, New Mexico

WEH		lt_ocd3.gpf
12/11/01		



Pogo Prod.  
7-23-83  
50347

U.S.

U.S.

U.S.

(Phillips 1/2)  
Pogo Prod.

96231

33

"Lost Tank-Fed."

U.S.

Yates Pet. etal

V-4100

Concho Res.  
K Penwell  
Ener.)  
Loper  
Shackel-  
ford  
P207

"Jacque AQJ-St."

State

Yates Pet. etal

V-3850

"Lucy 'ALC'  
St."

Pitch  
Ener.

12-1-93  
61357  
U.S.

F187  
State

Pogo Prod.  
(Phillips)

V-3604

35

"Lost Tank-St."

LOST TANK

State?

U.S.

Concho Res  
Pogo Prod. 1/2  
(Phillips)

96232  
1150

Pogo  
Lost  
Tank Fed.

0417696

4

"Lost Tank-Fed."  
U.S.

(Phillips)  
Pogo Prod. 1/2

F190

0417696

3

"Lost Tank-Fed."  
U.S.

Yates Pet. etal

V-2705

"Graham 'AKB'-St."

Yates Pet. etal

V-2597

"Flora-AKF-  
St."

State

Superior  
8-1-75  
0417506

9

U.S.

Mobil  
CNG, 1/2  
9-1-75  
0417506

10

U.S.

CNG, 1/2  
Mobil  
9-1-75  
0417506

Yates Pet. etal

65417  
"AIK"

11

"Martha Fed"  
U.S.

EXHIBIT  
F

16

15

14

Yates Pet. etal  
65418

1-AIL  
P202

3-AIL  
P247

"Dolores  
Fed."

2-AIL

P225



NEW MEXICO ENERGY, MINERALS  
& NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION  
2040 South Pacheco Street  
Santa Fe, New Mexico 87505  
(505) 827-7131

February 8, 1999

**Pogo Producing Company**  
c/o James Bruce  
P.O. Box 1056  
Santa Fe, New Mexico 87504-1056

*Administrative Order NSL-4204*

Dear Mr. Bruce:

Reference is made to the following: (i) your initial application dated September 25, 1998 on behalf of the operator, Pogo Producing Company ("Pogo"); (ii) the New Mexico Oil Conservation Division's ("Division") request by letter from Mr. Michael E. Stogner, Chief Hearing Officer/Engineer, dated October 9, 1998 for additional information to complete this application; and (iii) your response dated October 13, 1998: all concerning Pogo's request for an unorthodox Delaware oil well location for its proposed Lost Tank "3" Federal Well No. 5 to be drilled 1950 feet from the North line and 1300 feet from the East line (Unit H) of Section 3, Township 22 South, Range 31 East, NMPM, Eddy County, New Mexico. The SE/4 NE/4 of Section 3 is to be dedicated to this well in order to form a standard 40-acre oil spacing and proration unit for either the Undesignated Lost Tank-Delaware Pool or the Undesignated West Lost Tank-Delaware Pool.

It is our understanding the proposed Lost Tank "3" Federal Well No. 5 is within the Oil/Potash "R-111-P" area, and is therefore subject to all applicable restrictions and rules therein. The original location proposed by Pogo for this well, which was to be at a standard oil well location 1650 feet from the North line and 430 feet from the East line of said Section 4, was unacceptable to the U.S. Bureau of Land Management ("BLM") based on "potash concerns". Further, it is our understanding that the BLM advised Pogo of a small window that exists within the immediate area of the proposed 40-acre unit where drilling operations can occur without impairing potential potash reserves, however all locations within this BLM recognized window are unorthodox.

Also, all of said Section 3 and Lots 1, 2, and 3, the S/2 N/2, and the S/2 of Section 4, Township 22 South, Range 31 East, NMPM, Eddy County, New Mexico is a single Federal lease (U. S. Government lease No. NM-0417696) in which Pogo is the operator; therefore, there are no effected offsets to the subject 40-acre tract other than Pogo.

The subject application has been duly filed under the provisions of Division Rule 104.F.

Administrative Order NSL-4204

Pogo Producing Company

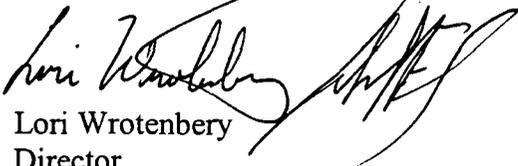
February 8, 1999

Page 2

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By the authority granted me under the provisions of Division Rule 104.F(2), the above-described unorthodox oil well location within the West Lost Tank-Delaware Pool is hereby approved.

Sincerely,



Lori Wrotenbery  
Director

LW/MES/kv

cc: New Mexico Oil Conservation Division - Artesia  
U. S. Bureau of Land Management - Carlsbad

CMD :  
OG6IWCM

ONGARD  
INQUIRE WELL COMPLETIONS

01/15/02 07:28:  
OGOMES -TP

API Well No : 30 15 30586 Eff Date : 03-29-2000 WC Status : A  
Pool Idn : 96582 LOST TANK; DELAWARE, WEST  
OGRID Idn : 17891 POGO PRODUCING CO  
Prop Idn : 20943 LOST TANK 3 FEDERAL

Well No : 005  
GL Elevation: 3493

	U/L	Sec	Township	Range	North/South	East/West	Prop/Act (P/
B.H. Locn	: H	3	22S	31E	FTG 1950 F S	FTG 1300 F E	P
Lot Identifier:							
Dedicated Acre:		40.00					
Lease Type		: F					

Type of consolidation (Comm, Unit, Forced Pooling - C/U/F/O) :

M0025: Enter PF keys to scroll

PF01 HELP      PF02              PF03 EXIT      PF04 GoTo      PF05              PF06  
PF07              PF08              PF09              PF10 NEXT-WC   PF11 HISTORY   PF12 NXTREC

CMD : ONGARD 01/15/02 07:28:  
OG6ACRE C102-DEDICATE ACREAGE OGOMES -TP  
Page No :

API Well No : 30 15 30586 Eff Date : 03-29-2000  
Pool Idn : 96582 LOST TANK; DELAWARE, WEST  
Prop Idn : 20943 LOST TANK 3 FEDERAL Well No : 00  
Spacing Unit : 52835 OCD Order : Simultaneous Dedication:  
Sect/Twp/Rng : Acreage : 40.00 Revised C102? (Y/N) :  
Dedicated Land:

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S	Base	U/L	Sec	Twp	Rng	Acreage	L/W	Ownership	Lot	Idn
			H	3	22S 31E	40.00	N	FD		

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E0005: Enter data to modify or PF keys to scroll

PF01 HELP PF02 PF03 EXIT PF04 GoTo PF05 PF06 CONFIRM  
PF07 BKWD PF08 FWD PF09 PF10 LAND PF11 NXTSEC PF12 RECONF

CMD : ONGARD 01/15/02 07:29:  
OG6IPRD INQUIRE PRODUCTION BY POOL/WELL OGOMES -TP  
Page No:

OGRID Identifier : 17891 POGO PRODUCING CO  
Pool Identifier : 96582 LOST TANK; DELAWARE, WEST  
API Well No : 30 15 30586 Report Period - From : 01 2000 To : 11 2001

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API Well No	Property Name	Prodn. Days	Production Volumes	We
		MM/YY Prod	Gas Oil	Water St
30 15 30586		03 00 3	210 236	546
30 15 30586	LOST TANK 3 FEDERAL	04 00 19	1231 1161	4261
30 15 30586	LOST TANK 3 FEDERAL	05 00 31	4602 6900	3293 P
30 15 30586	LOST TANK 3 FEDERAL	06 00 30	7798 7585	1331 P
30 15 30586	LOST TANK 3 FEDERAL	07 00 31	7375 5999	939 P
30 15 30586	LOST TANK 3 FEDERAL	08 00 31	5133 4729	868 P
30 15 30586	LOST TANK 3 FEDERAL	09 00 30	4032 4008	730 P

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Reporting Period Total (Gas, Oil) :

M0025: Enter PF keys to scroll

PF01 HELP PF02 PF03 EXIT PF04 GoTo PF05 PF06 CONFIRM  
PF07 BKWD PF08 FWD PF09 PF10 NXTPOOL PF11 NXTOGD PF12

CMD : ONGARD 01/15/02 07:29:  
OG6IPRD INQUIRE PRODUCTION BY POOL/WELL OGOMES -TP  
Page No:

OGRID Identifier : 17891 POGO PRODUCING CO  
Pool Identifier : 96582 LOST TANK; DELAWARE, WEST  
API Well No : 30 15 30586 Report Period - From : 01 2000 To : 11 2001

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API Well No	Property Name	Prodn. Days	Production Volumes	We
		MM/YY Prod	Gas Oil	Water St
30 15 30586	LOST TANK 3 FEDERAL	10 00 31	3423 3447	634 P
30 15 30586	LOST TANK 3 FEDERAL	11 00 30	2853 3302	565 P
30 15 30586	LOST TANK 3 FEDERAL	12 00 31	4789 4596	621 P
30 15 30586	LOST TANK 3 FEDERAL	01 01 31	3987 3610	657 P
30 15 30586	LOST TANK 3 FEDERAL	02 01 28	2459 2099	380 P
30 15 30586	LOST TANK 3 FEDERAL	03 01 26	1811 2764	1126 P
30 15 30586	LOST TANK 3 FEDERAL	04 01 30	2342 3227	1260 P

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Reporting Period Total (Gas, Oil) :

E0049: User may continue scrolling.

PF01 HELP PF02 PF03 EXIT PF04 GoTo PF05 PF06 CONFIRM  
PF07 BKWD PF08 FWD PF09 PF10 NXTPOOL PF11 NXTOGD PF12

CMD :  
OG6IPRD

ONGARD  
INQUIRE PRODUCTION BY POOL/WELL

01/15/02 07:29:  
OGOMES -TP  
Page No:

OGRID Identifier : 17891 POGO PRODUCING CO  
Pool Identifier : 96582 LOST TANK; DELAWARE, WEST  
API Well No : 30 15 30586 Report Period - From : 01 2000 To : 11 2001

API Well No	Property Name	Prod. Days	Production Volumes	We
		MM/YY Prod	Gas Oil Water	St
30 15 30586	LOST TANK 3 FEDERAL	05 01 31	3120 3470 768	P
30 15 30586	LOST TANK 3 FEDERAL	06 01 29	3161 3083 724	P
30 15 30586	LOST TANK 3 FEDERAL	07 01 30	3843 3044 734	P
30 15 30586	LOST TANK 3 FEDERAL	08 01 19	2418 2256 629	P
30 15 30586	LOST TANK 3 FEDERAL	09 01 28	5546 2556 419	P
30 15 30586	LOST TANK 3 FEDERAL	10 01 31	2827 1936 539	P

Reporting Period Total (Gas, Oil) : 72960 70008 21024

E0049: User may continue scrolling.

PF01 HELP PF02 PF03 EXIT PF04 GoTo PF05 PF06 CONFIRM  
PF07 BKWD PF08 FWD PF09 PF10 NXTPOOL PF11 NXTOGD PF12



CMD :  
OG5SECT

ONGARD  
INQUIRE LAND BY SECTION

01/15/02 07:28:  
OGOMES -TP  
PAGE NO:

Sec : 03 Twp : 22S Rng : 31E Section Type : NORMAL

4 39.65  Federal owned R A	3 39.78  Federal owned R A	2 39.92  Federal owned R	1 40.05  Federal owned R
E 40.00  Federal owned R A	F 40.00  Federal owned R A	G 40.00  Federal owned R	H 40.00  Federal owned R A

PF01 HELP    PF02    PF03 EXIT    PF04 GoTo    PF05    PF06  
PF07 BKWD    PF08 FWD    PF09 PRINT    PF10 SDIV    PF11    PF12

CMD :  
OG5SECT

ONGARD  
INQUIRE LAND BY SECTION

01/15/02 07:29:  
OGOMES -TP  
PAGE NO:

Sec : 03 Twp : 22S Rng : 31E Section Type : NORMAL

L 40.00  Federal owned R	K 40.00  Federal owned R	J 40.00  Federal owned R	I 40.00  Federal owned R
M 40.00  Federal owned R	N 40.00  Federal owned R	O 40.00  Federal owned R	P 40.00  Federal owned R

PF01 HELP    PF02            PF03 EXIT    PF04 GoTo    PF05            PF06  
PF07 BKWD    PF08 FWD       PF09 PRINT   PF10 SDIV     PF11            PF12