

District I
1625 N French Dr, Hobbs, NM 88240
District II
1301 W Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St Francis Dr, Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

FEB 24 2009

Form C-101
May 27, 2004

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

Submit to appropriate District Office

☐ AMENDED REPORT

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE

¹ Operator Name and Address Chesapeake Operating, Inc. P.O. Box 18496 Oklahoma City, OK 73154-0496		² OGRID Number 147179
³ Property Code 300048		⁴ API Number 30-015-22452
⁵ Property Name Pardue Farms Gas Com.		⁶ Well No 1
⁹ Proposed Pool 1 Loving; Brushy Canyon, East (40350)		¹⁰ Proposed Pool 2

⁷ Surface Location

UL or lot no	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/Westline	County
G	26	23 S	28 E		1980'	North	1980'	East	Eddy

⁸ Proposed 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/Westline	County

Additional Well Information

¹¹ Work Type Code P	¹² Well Type Code O	¹³ Cable/Rotary R	¹⁴ Lease Type Code P	¹⁵ Ground Level Elevation 3012' GR
¹⁶ Multiple No	¹⁷ Proposed Depth	¹⁸ Formation Delaware	¹⁹ Contractor Mesa & Completion	²⁰ Spud Date
Depth to Groundwater		Distance from nearest fresh water well		Distance from nearest surface water
Pit. Liner Synthetic <input type="checkbox"/> milst thick Clay <input type="checkbox"/> Pit Volume: bbls Drilling Method:				
Closed-Loop System <input type="checkbox"/> Fresh Water <input type="checkbox"/> Brine <input type="checkbox"/> Diesel/Oil-based <input type="checkbox"/> Gas/Air <input type="checkbox"/>				

²¹ Proposed Casing and Cement Program

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
20"	16"	65#	408'	500 sxs.	Surface
14 3/4"	10 3/4"	45.5# & 40.5#	3025'	1930 sxs.	220'
9 1/2"	7 5/8"	33.7# & 39#	11,385'	1925 sxs.	4340'
6 1/2"	5"	18#	11,066-13,255'	200 sxs.	

²² Describe the proposed program. If this application is to DEEPEN or PLUG BACK, give the data on the present productive zone and proposed new productive zone Describe the blowout prevention program, if any Use additional sheets if necessary

Dear Sirs/Madams:

Please find the proposed program to plug-back to the Delaware for an oil well completion.

In addition, please find a current and after well-bore schematic, NMOCD's form C-102, and NMOCD's 144(CLEZ) pit permit.

²³ I hereby certify that the information given above is true and complete to the best of my knowledge and belief. I further certify that the drilling pit will be constructed according to NMOCD guidelines ☐, a general permit ☐, or an (attached) alternative OCD-approved plan ☐.

Printed name Linda Good *Linda Good*

Title Sr. Reg. Compliance Spec.

E-mail Address linda.good@chk.com

Date 09/23/2009

Phone (405)935-4275

OIL CONSERVATION DIVISION

Approved by

Title

Approval Date

Expiration Date

Conditions of Approval Attached ☐

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State of New Mexico

Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION

1220 South St. Francis Dr.

Santa Fe, NM 87505

Form C-102

Revised October 12, 2005

Submit to Appropriate District Office

State Lease - 4 Copies

Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

* API Number 30-015-22452		* Pool Code 40350		* Pool Name Loving; Brushy Canyon, East	
* Property Code 300048		* Property Name Pardue Farms Gas Com.			* Well Number 1
* OGRID No. 147179		* Operator Name Chesapeake Operating, Inc.			* Elevation 3012' GR

¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
G	26	23S	28E		1980'	North	1980'	East	

¹¹ 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 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.

<div style="text-align: center;"> </div>	¹⁷ OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division <div style="display: flex; justify-content: space-between;"> <div> </div> <div>02/23/2009</div> </div> <div style="display: flex; justify-content: space-between;"> <div>Signature</div> <div>Date</div> </div> <div> Linda Good Printed Name </div>	
	¹⁸ 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	
	Date of Survey Signature and Seal of Professional Surveyor	
	Please Refer to Original Plat Certificate Number	

**Pardue Farms Gas Com 1
Eddy County, New Mexico
Brushy Canyon Recompletion Procedure**

Date: February 10, 2009

Location: 1980' FNL & 1980' FEL Sec. 26-T23S-R28E

Production Casing: 7 5/8" 33.7# & 39# S-95 0-11,385', ID-6.625", Drift-6.500", Burst- 9,380#

Liner: 5" 18# N-80 Hydrill 11,066-13,254', ID-4.276", Drift-4.151", Burst-10,140#

PBTD/TD: 11,335' / 13,254'

Current Perfs: Atoka 11,427-11,798' below CIBP

Proposed Perfs: Brushy Canyon "C" 6170-78', 6184-86', 6218-30'
Brushy Canyon "D" 6248-52

Recommended Procedure:

1. MIRU PU. NDWH/NUBOP.
2. Pressure test casing to 2,000 psi.
3. RU wireline co. RIH w/ junk basket and gage ring to 11,050'. Set 7 5/8" CIBP @ 11,050' and dump 35' of cement on top of plug. Set 7 5/8" CIBP @ 8500' and dump 35' of cement on top of plug.
4. Perforate Brushy Canyon "C" 6170-78' (8'), 6184-86' (2'), 6218-30' (12'), Brushy Canyon "D" 6248-52' (4') w/ 2 spf (52 holes), 120 degree phasing using casing gun, .4" perf holes.
5. RIH w/ packer on 2 7/8" tbg to 6,275'. Spot acid across perfs and pull packer up to 6,075'. Reverse acid back into tubing. Set packer and pressure backside to 1000 psi. Acidize perfs w/ 3,000 gal 15% NEFE acid dropping 75 perf balls evenly throughout job. Displace acid to bottom perf. SI 30 mins. Flow/swab back acid and test. POH w/ packer.
6. If warranted, frac Brushy Canyon perfs per frac recommendation down casing (Anticipate 75,000# sand, 50 BPM). Flow back well until it dies.
7. RIH w/ 2 7/8" tbg w/ SN to 6150' (above perfs) and TAC @ 6,000'. RIH w/ pump and rods.
8. NDBOP/NUWH. RD MO.



Proposal for Workover

PARDUE FARMS GAS COM 1

Field: WILDCAT MORROW
County: EDDY
State: NEW MEXICO
Location: SEC 26, 23S-28E, 1980 FNL & 1980 FEL
Elevation: GL 3,012.00 KB 3,031.00
KB Height: 19.00

Spud Date: 3/14/1978
Initial Compl. Date:
API #: 3001522452
CHK Property #: 890656
1st Prod Date:
PBSD: Original Hole - 11335.0
TD: 13,255.0

