



PARTNERS
CARLTON BEAL, JR.
BARRY BEAL
SPENCER BEAL
KELLY BEAL
BARRY BEAL, JR.
STUART BEAL
ROBERT DAVENPORT, JR.

BTA OIL PRODUCERS

104 SOUTH PECOS
MIDLAND, TEXAS 79701

915-682-3753
FAX 915-683-0311

GULF COAST DISTRICT
TWO GREENSPPOINT PLAZA
16825 NORTHCHASE DRIVE, STE. 680
HOUSTON, TEXAS 77060
PH. 281-872-5022 FAX 281-872-5054

ROCKY MOUNTAIN DISTRICT
600 17TH STREET, STE. 2230 SOUTH
DENVER, CO 80202
PH. 303-534-4404 FAX 303-534-4661

September 13, 2004

Re: Application for Administrative Approval
Non-Standard Well Location/Simultaneous Dedication
Pardue B, 8808 JV-P, #4
1650' FSL & 1420' FWL
Sec. 11, T23S, R28E
Eddy County, New Mexico

30-015-33638

NEW MEXICO OIL CONSERVATION DIVISION
Energy Minerals & Natural Resources Dept.
Oil Conservation Division
1220 S. St. Francis Drive
Santa Fe, NM 87504

Attn: Mr. David Catanach

NSL-5112 (SD)

Dear Mr. Catanach,

BTA Oil Producers hereby seeks administrative approval to produce at the above referenced location in the Loving East (Brushy Canyon) Pool. This location is unorthodox because it is governed by the Division's statewide rules which provide for wells in this pool to have a 40-acre spacing unit dedication. There are two other wells in this 40 acre spacing unit, BTA's 8808 JV-P Pardue B #1 30-015-26274 and BTA's 8808 JV-P Pardue B #3 30-015-32493, both which produce from the same pool.

Attached hereto is a copy of a certified plat showing the spacing unit, the proposed well location, and existing wells. The proposed unorthodox well location is necessary to enable BTA to locate this well in the thickest portion of the Brushy Canyon channel while maintaining an optimum structural position. It is our understanding that BTA's Pardue B #1, B #3, and B#4 will share one allowable.

As we are the only location that the referenced well would be encroaching on, there are no notifications necessary.

Should further information be required, to approve this application, please advise.

Respectfully,

Pam Inskeep
For BTA Oil Producers

/pdi

C:\Pardue B #4 Non-Standard Loc.doc

Pandue SPOT SAMPLE
mg

DEFS LLC Field Certificate of Analysis

Meter Number: 33270159 Flowing Temp: 85.6
Run/Secured Date: 07/08/03 13:43 Flowing Pressure: 50.2
Run Number: 1090001 Run/Secured By: JAM

Component	Normalized Mole%
Helium	0.000
H2S	0.000
Nitrogen	8.399
Oxygen	0.000
Carbon Dioxide	0.026
Methane	71.076
Ethane	9.848
Propane	6.356
Isobutane	0.803
Normal Butane	1.779
Isopentane	0.513
Normal Pentane	0.450
C6 Plus	0.752
Total:	100.000

H2S PPM: 0 Calculated Gravity: 0.7769
H2S Test Type:

BTU-DRY: 1213.9 at 14.65 PSIA and 60 Deg. F.
BTU-SAT: 1193.5

MANLEY GAS TESTING, INC.

P.O. DRAWER 193
OFFICE(915)367-3024

FAX(915)367-1166

ODESSA, TEXAS 79760
E-MAIL: MANLEYGAST@AOL.COM

CHARGE..... 11 - 1 - 1
REC. NO. 0
TEST NUMBER.. 22017

DATE SAMPLED..... 05 -24 -01
DATE RUN..... 06 -01 -01
EFF DATE..... - -

STATION NO.
AREA
SAMPLE NAME.... PARDUE MASTER
RECEIVED FROM.. BTA
LOCATION..... MIDLAND TEXAS 79701

SAMPLE CONDITIONS PRESSURE PSIG.. 26.0 ... FLOWING TEMP..... 75.0 F

SAMPLED BY: MS

FRACTIONAL ANALYSIS
CALCULATED at 14.650 PSIA AND 60F

	MOL%	GPM	SULPHUR DETERMINATION
HYDROGEN SULFIDE.	0.00		GRAINS/100 SCF
NITROGEN.....	5.98		* HYDROGEN SULFIDE.. 0.000
CARBON DIOXIDE...	0.03		MERCAPTANS..... 0.000
METHANE.....	74.29		SULFIDES..... 0.000
ETHANE.....	10.52	2.797	RESIDUAL SULPHUR.. 0.000
PROPANE.....	5.66	1.550	TOTAL 0.000
ISO-BUTANE.....	0.62	0.202	
NOR-BUTANE.....	1.56	0.489	LIQUEFIABLE HYDROCARBONS- GPM
ISO-PENTANE.....	0.41	0.149	
NOR-PENTANE.....	0.42	0.151	ETHANE PLUS..... 5.560
HEXANES.....	0.31	0.135	PROPANE PLUS..... 2.763
HEPTANES+	0.20	0.087	BUTANES PLUS..... 1.213
	-----	-----	PENTANES PLUS..... 0.522
TOTAL.....	100.00	5.560	

'Z' FACTOR = 0.9966

REID VAPOR PRESSURE

MIXTURE SPECIFIC GRAVITY

26 LB..... 0.782
12 LB..... 0.529

CALCULATED FROM ANALYSIS..... 0.746
DETERMINED BY RANAREX..... 0.000

MIXTURE HEATING VALUE..... DRY..... 1206 WET..... 1186 BTU

DISTRIBUTION AND REMARKS:

* H2S PPM = 0

TOM WILLIAMS

MIKE SNELSON

ANALYZED BY: JC

APPROVED:



MANLEY GAS TESTING, INC.
P.O. DRAWER 193 ODESSA, TEXAS 79760
OFFICE(915)367-3024 FAX(915)367-1166 E-MAIL: MANLEYGAST@AOL.COM

CHARGE..... 11 - 1 - 1
REC. NO. 0
TEST NUMBER.. 43004

DATE SAMPLED..... 12 -12 -00
DATE RUN..... 12 -13 -00
EFF DATE..... - -

STATION NO.
AREA
SAMPLE NAME.... PARDUE
RECEIVED FROM.. BTA
LOCATION..... MIDLAND TEXAS 79701

SAMPLE CONDITIONS PRESSURE PSIG.. 27.0 ... FLOWING TEMP..... 48.0 F

SAMPLED BY: MS

FRACTIONAL ANALYSIS
CALCULATED at 14.650 PSIA AND 60F

	MOL%	GPM	SULPHUR DETERMINATION
HYDROGEN SULFIDE.	0.00		GRAINS/100 SCF
NITROGEN.....	5.37		* HYDROGEN SULFIDE.. 0.000
CARBON DIOXIDE...	0.02		MERCAPTANS..... 0.000
METHANE.....	76.44		SULFIDES..... 0.000
ETHANE.....	10.05	2.672	RESIDUAL SULPHUR.. 0.000
PROPANE.....	5.13	1.405	TOTAL 0.000
ISO-BUTANE.....	0.58	0.189	
NOR-BUTANE.....	1.39	0.436	LIQUEFIABLE HYDROCARBONS- GPM
ISO-PENTANE.....	0.30	0.109	
NOR-PENTANE.....	0.30	0.108	ETHANE PLUS..... 5.101
HEXANES.....	0.22	0.095	PROPANE PLUS..... 2.429
HEPTANES+	0.20	0.087	BUTANES PLUS..... 1.024
	-----	-----	PENTANES PLUS..... 0.399
TOTAL.....	100.00	5.101	

'Z' FACTOR = 0.9967

REID VAPOR PRESSURE

MIXTURE SPECIFIC GRAVITY

26 LB..... 0.605
12 LB..... 0.409

CALCULATED FROM ANALYSIS..... 0.726
DETERMINED BY RANAREX..... 0.738

MIXTURE HEATING VALUE..... DRY..... 1185 WET..... 1165 BTU

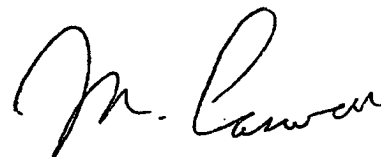
DISTRIBUTION AND REMARKS:

* H2S PPM = 0

TOM WILLIAMS

ANALYZED BY: KC

APPROVED:



DEFS LLC Field Certificate of Analysis

Meter Number:	33270159	Flowing Temp:	59
Run/Secured Date:	10/20/00 12:07	Flowing Pressure:	37
Run Number:	2177001	Run/Secured By:	GRB

Component	Normalized Mole%
Helium	0.000
H2S	0.000
Nitrogen	5.551
Oxygen	0.000
Carbon Dioxide	0.019
Methane	74.596
Ethane	10.289
Propane	6.062
Isobutane	0.672
Normal Butane	1.702
Isopentane	0.342
Normal Pentane	0.348
C6 Plus	0.420
Total:	100.000

H2S PPM:	0	Calculated Gravity:	0.7460
H2S Test Type:			

BTU-DRY:	1215.0	at 14.65 PSIA and 60 Deg. F.
BTU-SAT:	1194.7	

MANLEY GAS TESTING, INC.

P.O. DRAWER 19
OFFICE(915)367-3024

FAX(915)367-1166

ODE 1, TEXAS 79760
E-MAIL: MANLEYGAST@AOL.COM

CHARGE..... 11 - 1 - 1
REC. NO. 0
TEST NUMBER.. 34009

DATE SAMPLED..... 09 -28 -00
DATE RUN..... 10 -02 -00
EFF DATE..... - -

STATION NO.
AREA
SAMPLE NAME.... PARDUE MASTER
RECEIVED FROM.. BTA
LOCATION..... MIDLAND TEXAS 79701

SAMPLE CONDITIONS PRESSURE PSIG.. 24.0 ... FLOWING TEMP..... 58.0 F

SAMPLED BY: MS

FRACTIONAL ANALYSIS
CALCULATED at 14.650 PSIA AND 60F

	MOL%	GPM	SULPHUR DETERMINATION
HYDROGEN SULFIDE.	0.00		GRAINS/100 SCF
NITROGEN.....	5.88		* HYDROGEN SULFIDE.. 0.000
CARBON DIOXIDE...	0.01		MERCAPTANS..... 0.000
METHANE.....	76.95		SULFIDES..... 0.000
ETHANE.....	9.60	2.552	RESIDUAL SULPHUR.. 0.000
PROPANE.....	4.75	1.301	TOTAL 0.000
ISO-BUTANE.....	0.53	0.172	
NOR-BUTANE.....	1.31	0.411	LIQUEFIABLE HYDROCARBONS- GPM
ISO-PENTANE.....	0.30	0.109	ETHANE PLUS..... 4.813
NOR-PENTANE.....	0.30	0.108	PROPANE PLUS..... 2.261
HEXANES.....	0.25	0.108	BUTANES PLUS..... 0.960
HEPTANES+	0.12	0.052	PENTANES PLUS..... 0.377
TOTAL.....	100.00	4.813	

'Z' FACTOR = 0.9969

REID VAPOR PRESSURE

MIXTURE SPECIFIC GRAVITY

26 LB..... 0.564
12 LB..... 0.381

CALCULATED FROM ANALYSIS..... 0.719
DETERMINED BY RANAREX..... 0.734

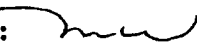
MIXTURE HEATING VALUE..... DRY..... 1166 WET..... 1146 BTU

DISTRIBUTION AND REMARKS:

* H2S PPM = 0

TOM WILLIAMS

ANALYZED BY: KC

APPROVED: 

Record Number :

41986

Duke Energy Field Services, Inc.

Gas Analysis Report

Analyzer #

2

7/28/00

10:49:12.73 AM

Station # 33270159	Sample Frequency CO	Sample Date 7/24/00	Duke Energy Field Services Greeley Laboratory Weld Fractionator 3009 West 49th Street Greeley, COLORADO 80631 Lab Tel No.: (970) 330-3272 Fax No: (303) 572-8020
Station Name BTA	Sample Temp. 95	Analysis Date 7/28/00	
Producer BTA Producers	Samp. Press. 18	Sampled by ESPINOZA	

<u>COMPONENT</u>		<u>MOL %</u>	<u>GPM @ 14.65</u>	<u>GPM @ 14.73</u>	<u>GPM @ 15.025</u>
Hydrogen	(H2)	0.0111			
*Hydrogen Sulphide	(H2S)	0			
Helium	(He)	0.017			
Oxygen/Argon	(O2/Ar)	0.011			
Nitrogen	(N2)	3.084			
Methane	(C1)	71.4679			
Carbon Dioxide	(CO2)	0.034			
Ethane	(C2)	12.868	3.4208	3.4395	3.5084
Propane	(C3)	7.117	1.9489	1.9596	1.9988
Iso Butane	(IC4)	0.812	0.2642	0.2656	0.2709
Normal Butane	(NC4)	2.142	0.6716	0.6753	0.6888
Iso Pentane	(IC5)	0.557	0.2027	0.2038	0.2079
Normal Pentane	(NC5)	0.61	0.2197	0.2209	0.2253
Hexanes Plus	(C6+)	1.269	0.5506	0.5536	0.5647
<u>TOTALS:</u>		100	7.2785	7.3183	7.4648

Pardue Lease

<u>GPA 2145 GROSS @ 60F:</u>	<u>@ 14.65</u>	<u>@ 14.73</u>	<u>@ 15.025</u>
<u>BTU DRY (Real) =</u>	1338.4	1345.8	1372.7
<u>BTU SAT. (Real) =</u>	1315	1322.4	1349.3

GPA 2145 AIR=1 @ 60F : @ 14.696 PSIA

Relative Density (Real) : 0.801

Supercompressibility (Z) : 0.9956

26# gasoline GPM @ 14.65 : 1.5121

DO NOT USE
THIS ANALYSIS
IF 'C' IS IN THE
BOX BELOW

A

Dewpoint	* Field H2S Mol %
	0

*Note: H2S Mol %'s are Field %'s and are
not produced by Analysis

Time of Analysis: 10:47:57.49 AM



Duke Energy Field Services, inc.

370 17th Street, #900 Denver CO 80202

Gas Analysis Certificate Report

07/14/2000

08:50:10

lwalker

Analysis ID: 33270159

Alternate ID: BTA

Company Name: BTA Producers

Effective Date: 06/01/2000 07:00

Saturated BTU:

1303.0

Sample Date:

06/23/2000

Valid Thru Date: 01/18/2038 00:00

Sample ID:

Last Update: 06/29/2000 16:25

Dry BTU:

1326.1

Sample Type:

Composite

Analysis Origin: Gas Analysis Lab

Gravity:

0.7905

Sample Pressure Base:

14.730

Analysis Type: Lab analysis

Source:

Import

Sample Temperature:

91.0

Sample Pressure:

12.0

Component	% Mol	GPM		
Methane	72.737		C4 lighter STCond	0.000
Ethane	12.029	3.2152	C5 heavier STCond	0.000
Propane	6.778	1.8662	26 # Gasoline @14.65	1.422
I Butane	0.797	0.2607	26 Lbs. excess	0.000
N Butane	2.080	0.6557	Stock Tank Bbl/mm	0.00
I Pentane	0.549	0.2009	H2O GPMs	0.000
Pentane	0.599	0.2169	FWS Factor	0.0000
Hexanes+	1.161	0.5065	FWS C6+or C7+ GPM	0.000

Nitrogen 3.044

CO2 0.199

Oxygen 0.000

H2O 0.000

CO 0.000

H2S 0.000

Hydrogen 0.010

Helium 0.017

Argon 0.000

Total	100.000	6.9221
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Comments:

UPF



Duke Energy Field Services, inc.

370 17th Street, #900 Denver CO 80202

Gas Analysis Certificate Report

06/14/2000

13:14:31

lwalker

Analysis ID: 33270159

Alternate ID: BTA

Company Name: BTA Producers

Effective Date: 05/01/2000 07:00	Saturated BTU: 1332.8	Sample Date: 05/31/2000
Valid Thru Date: 01/18/2038 00:00		Sample ID:
Last Update: 06/05/2000 10:33	Dry BTU: 1356.4	Sample Type: Composite
Analysis Origin: Gas Analysis Lab	Gravity: 0.7797	Sample Pressure Base: 14.730
Analysis Type: Lab analysis	Source: Import	Sample Temperature: 81.0
		Sample Pressure: 21.0

<u>Component</u>	<u>% Mol</u>	<u>GPM</u>		
Methane	75.230		C4 _lighter STCond	0.000
Ethane	12.378	3.3085	C5 _heavier STCond	0.000
Propane	6.785	1.8682	26 # Gasoline @14.65	1.423
I Butane	0.768	0.2512	26 Lbs. excess	0.000
N Butane	2.065	0.6510	Stock Tank Bbl/mm	0.00
I Pentane	0.528	0.1932	H2O GPMs	0.000
Pentane	0.596	0.2158	FWS Factor	0.0000
Hexanes+	1.177	0.5135	FWS C6+or C7+ GPM	0.000

Nitrogen	0.311
CO2	0.132
Oxygen	0.000
H2O	0.000
CO	0.000
H2S	0.000
Hydrogen	0.012
Helium	0.018
Argon	0.000

Total	100.000	7.0014
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Comments:

UPF



Duke Energy Field Services, Inc.

370 17th Street, #900 Denver CO 80202

Gas Analysis Certificate Report

Pardue Lease

04/12/2000
09:24:17
mogden

Analysis ID: 33270159

Alternate ID: BTA

Company Name: BTA Producers

Effective Date: 03/01/2000 07:00	Saturated BTU: 1301.3	Sample Date: 03/29/2000
Valid Thru Date: 01/18/2038 00:00		Sample ID:
Last Update: 04/04/2000 16:05	Dry BTU: 1324.3	Sample Type: Composite
Analysis Origin: Gas Analysis Lab	Gravity: 0.7853	Sample Pressure Base: 14.730
Analysis Type: Lab analysis	Source: Import	Sample Temperature: 75.0
		Sample Pressure: 18.0

Component	% Mol	GPM		
Methane	73.811		C4 lighter STCond	0.000
Ethane	11.869	3.1725	C5 heavier STCond	0.000
Propane	6.204	1.7082	26 # Gasoline @14.65	1.642
I Butane	0.690	0.2257	26 Lbs. excess	0.000
N Butane	1.867	0.5886	Stock Tank Bbl/mm	0.00
I Pentane	0.487	0.1782	H2O GPMs	0.000
Pentane	0.570	0.2064	FWS Factor	0.0000
Hexanes+	1.525	0.6568	FWS C6+or C7+ GPM	0.000

Nitrogen	2.811	
CO2	0.101	
Oxygen	0.000	
H2O	0.000	
CO	0.000	
H2S	0.000	
Hydrogen	0.049	
Helium	0.016	
Argon	0.000	
Total	100.000	6.7364

Comments:

UPF

DISTRICT I
1625 N. French Dr., Hobbs, NM 88240

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

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

DISTRICT IV
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources Department

Form C-102
Revised August 15, 2000
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

OIL CONSERVATION DIVISION
2040 South Pacheco
Santa Fe, NM 87505

☒ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number	Pool Code	Pool Name
	40350	Loving; Brushy Canyon, East
Property Code	Property Name	Well Number
	8808 JV-P PARDUE "B"	4
OGRID No.	Operator Name	Elevation
003002	BTA OIL PRODUCERS	2985'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
K	11	23 S	28 E		1650	SOUTH	1420	WEST	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 Infill	Consolidation Code	Order No.						

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

NOTE: 1) Plane Coordinates shown hereon are Transverse Mercator Grid and Conform to the "New Mexico Coordinate System", New Mexico East Zone, North American Datum of 1927. Distances shown hereon are mean horizontal surface values.	OPERATOR CERTIFICATION I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief. Signature Pam Inskeep Printed Name Regulatory Administrator Title 09/07/2004 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. August 31, 2004 Date Surveyed Signature & Seal of Professional Surveyor LVA Num. 2004-0627 12185 MACON McDONALD
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PARTNERS
CARLTON BEAL, JR.
BARRY BEAL
SPENCER BEAL
KELLY BEAL
BARRY BEAL, JR.
STUART BEAL
ROBERT DAVENPORT, JR.

BTA OIL PRODUCERS
104 SOUTH PECOS
MIDLAND, TEXAS 79701
915-682-3753
FAX 915-683-0311

GULF COAST DISTRICT
TWO GREENSPOINT PLAZA
16825 NORTHCHASE DRIVE, STE. 680
HOUSTON, TEXAS 77060
PH. 281-872-5022 FAX 281-872-5054
ROCKY MOUNTAIN DISTRICT
600 17TH STREET, STE. 2230 SOUTH
DENVER, CO 80202
PH. 303-534-4404 FAX 303-534-4661

September 13, 2004

Re: 8808 JV-P Pardue "B" No. 4
Application for Permit to Drill
-K-, Section 11, T23S, R28E
Eddy County, New Mexico

State of New Mexico
Oil Conservation Division
District II
1301 W. Grand Avenue
Artesia, NM 88210

Attn: Mr. Bryan Arrant

Dear Mr. Arrant:

In reference to our Application for Permit to Drill (Forms C-101 and C-102) for the referenced well which were submitted on September 8, 2004, we would like to amend the proposed pool to read Loving, Brushy Canyon East (40350).

Also, per your request, BTA respectfully submits the following information in conjunction with this Application for Permit to Drill for the above referenced proposed well:

Casing and Cementing Program:

- 1) Surface Casing: 8-5/8" at $\pm$ 400' w/350 sx as follows:

<u>Casing Detail</u>	<u>Weight</u>	<u>Grade</u>	<u>Thread</u>
Guide Shoe	24#	J55	STC
80'± (2 jts)	24#	J55	STC
Insert Float			
320'±	24#	J55	STC

Cementing

Slurry 350 sx of Class C w/2% CaCl₂
Yield = 1.32 cubic feet/sx
Slurry Weight = 14.8 ppg
Water Required = 6.30 gal/sx

2) Production Casing: 5-1/2" at $\pm$ 6,300' w/1300 sx as follows:

<u>Casing Detail</u>	<u>Weight</u>	<u>Grade</u>	<u>Thread</u>
Float Shoe	17#	J55	STC
80' $\pm$ (2 jts)	17#	J55	STC
Float Collar	17#	J55	STC
1220' $\pm$	17#	J55	STC
5000'	15.5#	J55	STC

Cementing

Lead Slurry 1000* sx of Interfill C with 1/4# Flocele

Yield = 2.45 cubic feet/sx

Slurry Weight = 11.9 ppg

Water Required = 14.12 gal/sx

Tail Slurry 300 sx of Halliburton Super H w/0.5% Halad-
344, 0.4% CFR2, 5#/sx Gilsonite, 3#/sx Salt

Yield = 1.63 cubic feet/sx

Slurry Weight = 13.2 ppg

Water Required = 7.83 gal/sx

* Actual volume to be calculated from caliper log

Mud Program

Surface to 400': Fresh water/Spud mud

400' – TD: Saturated Brine Water

If you have any questions, please do not hesitate to contact us.

Respectfully,



PAM INSKEEP
For BTA Oil Producers