OCD Artesia

Form 3160-5 (August 2007)

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

FORM APPROVED OMB NO. 1004-0135 Expires: July 31, 2010

	Expires:	Ju.
5.	Lease Serial No.	
	ALMANIA 4 4 A COOO	

SUNDRY		NMNM110829				
Do not use thi abandoned wel	6.	6. If Indian, Allottee or Tribe Name				
SUBMIT IN TRII	7.	7. If Unit or CA/Agreement, Name and/or No.				
1. Type of Well ☐ Gas Well ☐ Oth	8.	Well Name and No. BROWNING FEDERAL COM 5H				
Name of Operator LEGEND NATURAL GAS III, I		API Well No. 30-015-42442	•			
3a. Address 15021 KATY FREEWAY SUIT HOUSTON, TX 77094	E 200	3b. Phone No. (include area code Ph: 817,872-7822	e) 10	Field and Pool, or I WILLOW LAKE;	Exploratory BONE SPRING	
4. Location of Well (Footage, Sec., T.	, R., M., or Survey Description	i)	. 11	. County or Parish, a	and State	
Sec 20 T24S R28E 110FNL 12	277FEL			EDDY COUNTY, NM		
12. CHECK APPR	OPRIATE BOX(ES) TO	O INDICATE NATURE OF	NOTICE, REPO	ORT, OR OTHER	R DATA	
TYPE OF SUBMISSION			OF ACTION			
	Acidize	Deepen	□ Production	(Start/Resume)	☐ Water Shut-Off	
✓ Notice of Intent	☐ Alter Casing	☐ Fracture Treat	☐ Reclamation		☐ Well Integrity	
☐ Subsequent Report	□ Casing Repair	■ New Construction	☐ Recomplete		Other	
☐ Final Abandonment Notice	☐ Change Plans	Plug and Abandon	□ Temporarily	y Abandon	Change to Original A PD	
	Convert to Injection	onvert to Injection				
testing has been completed. Final Ab determined that the site is ready for final NMB000525 AMENDING SURFACE LOCA 20, T24S, R28E. REVISED 3160-3, REVISED E Surface: Previously	nal inspection.) TION FROM 110FNL & EXHIBITS AND SURFAC	1290 FEL; SECT. 20, T24S, CE USE PLAN ATTACHED.	R28E TO 110FN	IL & 1277FEL; SI	•	
	•	7.1		ARTESI	NSERVATION A DISTRICT	
		Accepted in	ar 19001d DD 1/14/2018	IA NI	0 9 2015	
14. I hereby certify that the foregoing is		255994 verified by the BLM W	ell Information Sy		ETVED	
•	For LEGEND I	NATURAL GAS III, LP, sent to processing by LINDA DENNI	the Carlsbad			
Name(Printed/Typed) JENNIFER	* *	1	EGULATORY AN		·	
			· · · · · · · · · · · · · · · · · · ·		•	
Signature (Electronic S		Date 08/06/				
	THIS SPACE F	OR FEDERAL OR STATE	OFFICE USE			
Approved By Stepl	MJ Copy	Title Fon	FIELD MANAGE	R	Date 1/6/14	
Conditions of approval, if any, are attached certify that the applicant holds legal or equivalent would entitle the applicant to conduct the applicant the applicant the applicant to conduct the applicant to conduct the applicant	iitable title to those rights in th	ne subject lease	RLSBAD FIELD C	FFICE	•	
Title 18 U.S.C. Section 1001 and Title 43	U.S.C. Section 1212, make it				agency of the United	



15021 Katy Freeway Suite 200 Houston, TX 77094 (281) 644-5900 Fax: (281) 644-5901 777 Main Street Suite 900 Fort Worth, TX 76102 (817) 872-7800 Fax: (817) 872-7898

June 11, 2014
Bureau of Land Management
Carlsbad Field Office
620 E. Green St.
Carlsbad, NM 88220

Re: Legend Natural Gas III, LP Fort Worth Office 777 Main St. Ste. 900 Fort Worth, TX 76102

Revisions to surface location for the Browning Federal Com 5H were made in order to comply with BLM and OCD rules. Attached are the revised documents to be added to the APD packet.

Contents in the packet include:

- Revised Form 3160-3
- Revised C-102
- Revised Exhibits #1, #2, & #5
- Multi-Point Surface Use plan

If you have any questions, or if you need any more information please contact me at 817-872-7822 or jelrod@lng2:com

Jennifer Mosley Elrod

Sr. Regulatory Compliance Analyst

Legend Natural Gas Office: (817)872-7822 Fax: (817)872-7898

Form 3 (60 3 (March 2012)	FÖRM, APPROVED ÖNB No. 1004-0137 Expires October 31, 2014				
UNITED STATES DEPARTMENT OF THE I BUREAU OF LAND MAN		5. Lease Serial No. NM-110829			
APPLICATION FOR PERMIT TO I			6. If Indian, Allotee	or Tribe N	łame
la. Type of work: DRILL REENTE		7 If Unit or CA Agreement, Name and No.			
1b. Type of Well: Oil Well Gas Well Other	ole Zone	8. Lease Name and Well No. BROWNING FEDERAL COM 5H			
2. Name of Operator LEGEND NATURAL GAS'III, LP		9. API Well No. 30-0.15-			
3a. Address 777 MAIN ST., STE. 900 FORT WORTH, TX 76102	3b. Phone No. (include area code) 817-872-7822		10. Field and Pool, or Exploratory Willow Lake; Bone Spring (64450)		
4. Location of Well (Report Jocation clearly and in accordance with any	State regidrenients.*)		11. Sec., T. R. M. or B	k.and Sur	veý or Area
At surface 110 FNL & 1277 FEL	• •		SECTION 20, T-24S, R-28E - SHL SECTION 17, T-24S, R-28E - BHL		
At proposed prod. Zone BH-330 FNL & 360 FEL 14. Distance in miles and direction from hearest town or post office* APPROX-2.8 MILES WEST/SOUTHWEST OF MALAGA, IN	IM		12. County or Parish		13. State NM
15. Distance from proposed* location to hearest property of lease line, ft. (Also to nearest drig, unit line, if any)	16. No. of acres in lease 560 acres Legend Operates 400 acres	17. Spacing	ng Unit dedicated to this well		
18. Distance from proposed location SURFACE-30 to nearest well, drilling, completed, SURFACE applied for, on this lease, ft. 114 (Vecen) 1130 (Honz)	19. Proposed Depth 12988'MD; 8018'TVD	20. BLM/I NMB000	BIA Bond No. on file 0525		
21. Elevations (Show whether DF, KDB, .RT, GL; etc.) 3052 GR	22. Approximate date work will state 04/01/2014	it*	23. Estimated duration 2 MONTHS		
	24. Attachments				
The following, completed in accordance with the requirements of Onshor	e Oil and Gas Order No.1, must be a	ttached to thi	s form:		· · · · · · · · · · · · · · · · · · ·
 Well plat certified by a registered surveyor. A Drilling Plan. A Surface Use Plan (if the location is on National Forest System SUPO must be filed with the appropriate Forest Service Office). 	Item 20 above). 5. Operator certific	ation	ns unless covered by an ormation and/or plans as		
5. Signature	Name (Printed Typed) JENNIFER MOSLEY EL	.ROĎ	Date 01/20/2014		
SIR REGULATORY ANALYST					
Approved by (Signature)	Name (Printed Typed)	•	Date		
Title	QMice	Office			
Application approval does not warrant or certify that the applicant hold conduct operations thereon. Conditions of approval, if any, are attached.	l s legal or equitable tille to those righ	its in the sub	jeët Jease which would e	ntitle the a	pplicantto
Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a cr States any false, fictitious or fraudulent statements or representations as t	ime for any person knowingly and vo	willfully to n	pake to any department o	r agency	of the United

*(Instructions on page 2)

(Continued on page 2)

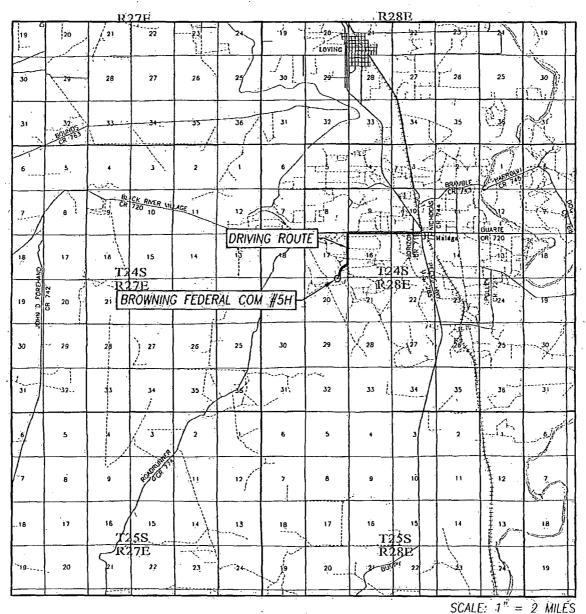
State of New Mexico Energy, Minerals & Natural Resources Department OIL CONSERVATION DIVISION 1220 South St. Francis Dr. Santa Fe, New Mexico 87505

Form C-102 Revised August 1, 2011 Submit one copy to appropriate District Office

DAMENDED REPORT

		WEL			ND ACREA	AGE DEDICA			
%Pl Number 30-015				Pool Code 1450	WI	llow lak	e i Bone.	Spring, N	10rTh
Property Code			BROWNING FEDERAL COM					5H	
OGRID 1 258894	. <i>1</i> .				Operator Name	ulor Name URAL GAS III, LP		Elévation 3052'	
		ia_ eeu t			Surface Locati				
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Ul. or lot No.	Section	Township	Range	Lôi lần	Feet from the	North/South line	Feet from the	East/West line	County
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Dedicated Acres	Joint of	Intill C	onsolidation Co	ode Ord	er No.	<u> </u>	i		to seeding the s
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ALLOWABLE W	ILL BE ASSIG	NED TO THIS CO	MPLETION UN	TIL ALL INTE	RESTS HAVE BEEN (ONSOLIDATED OR A N	ION-STANDARD UNI	T HAS BEEN APPROVE	D BY THE DIVISI
			7.7.2.217A	-		1767 84°			
			BH.	Arritarita	ŞCALE: 1	11.	OPER	ATOR CERTIFI	CATION
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-1		<u></u>		воттом н	IOLE LOCATION	BOTTOM HOLE LOCA	that this org	anization either owns a w	orking interest or
		PROPOSED	/14	Ŷ#4.4	15424.3 N 12761.1 E	Y=445365.8 N X=571577.9 E	proposed by	them hole location or has	o right to drill this
! ;	¹ CRID_AZ;≘1	WELL PATH	11	•			of such min	location pursuant to a con- eral or working interest, o	r to a voluntary
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					COORDINATES 83 NME	GEODETIC COORDIN	ATES Signature	ZYLD O. EV	r. Tanta sa sin
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VICINITY MAP

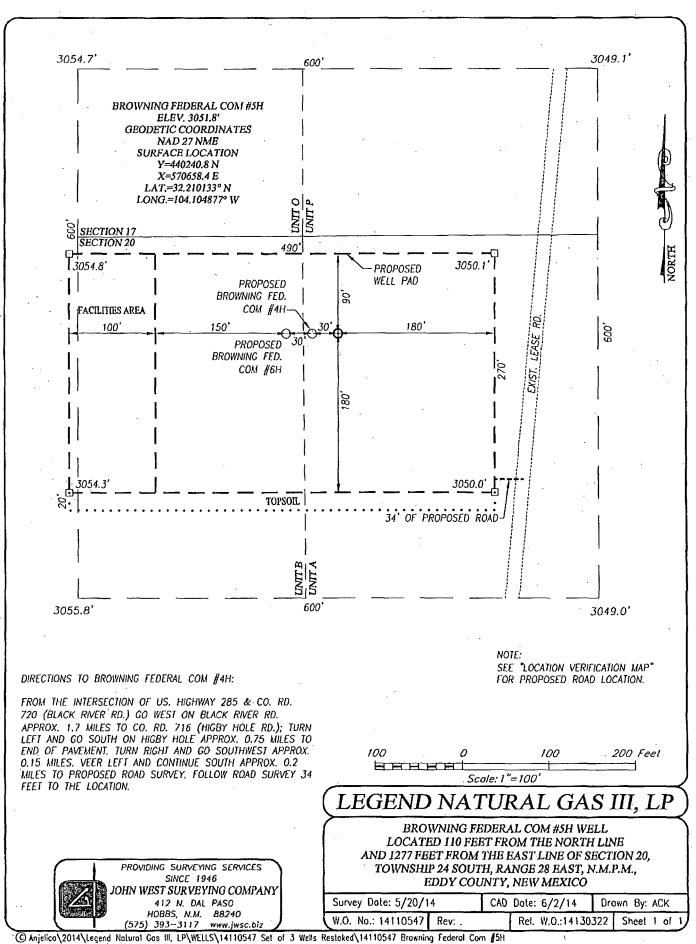


DRIVING ROUTE: SEE LOCATION VERIFICATION MAP

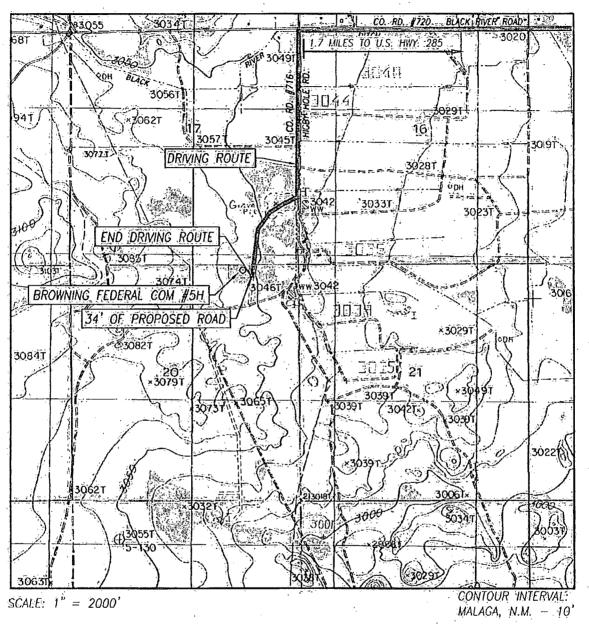
SEC. <u>20</u>	TWP. <u>24-S</u> RGE. <u>28-E</u>
SURVEY_	N.M.P.M.
COUNTY_	EDDY STATE NEW MEXICO
DESCRIPT	ION <u>.110' FNL & 1277' FEL</u>
ELEVATIO	ý3052'
OPERATOI	R <u>LEGEND NATURAL GAS III, LP</u>
LËASE	BROWNING FEDERAL COM







LOCATION VERIFICATION MAP



SEC. 20 TWP. 24-S RGE. 28-E

SURVEY N.M.P.M.

GOUNTY EDDY STATE NEW MEXICO

DESCRIPTION 110' FNL & 1277' FEL

ELEVATION 3052'

OPERATOR LEGEND NATURAL GAS III, LP

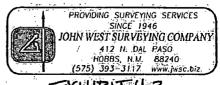
LEASE BROWNING FEDERAL COM

U.S.G.S. TOPOGRAPHIC MAP

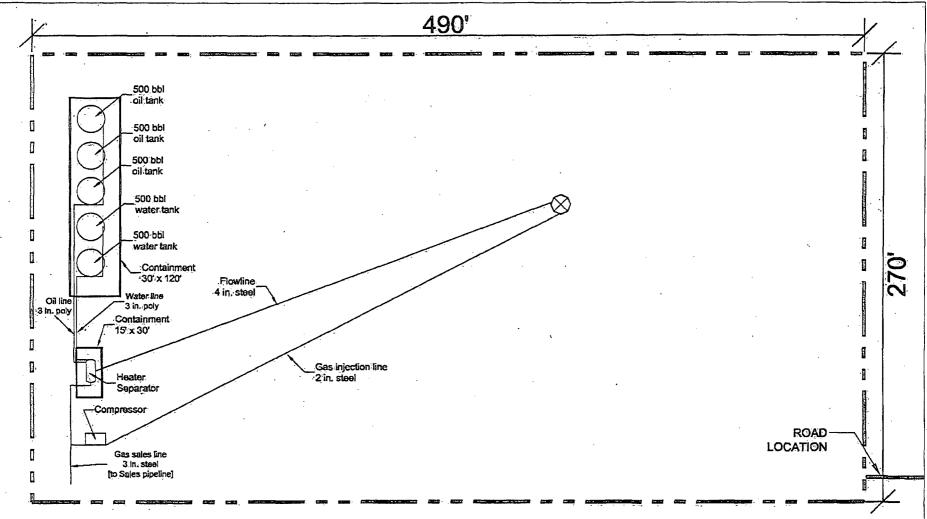
MALAGA, N.M.

DIRECTIONS TO BROWNING FEDERAL COM #5H:

FROM THE INTERSECTION OF US. HIGHWAY 285 & CO. RD. 720 (BLACK RIVER RD.) GO WEST ON BLACK RIVER RD. APPROX. 1,7 MILES TO CO. RD. 7:16 (HIGBY HOLE RD.); TURN LEFT AND CO SOUTH ON HIGBY HOLE APPROX. 0.75 MILES TO END OF PAVEMENT. TURN RIGHT AND CO SOUTHWEST APPROX. 0.15 MILES, VEER LEFT AND CONTINUE SOUTH APPROX. 0.2 MILES TO PROPOSED ROAD SURVEY. FOLLOW ROAD SURVEY 34 FEET TO THE LOCATION.



EXHIBITUZ



BROWNING FEDERAL COM #5H

ELEV. 3,052°

NAD 27 NME

SURFACE LOCATION

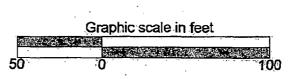
Y = 440240.8 N

X = 570658.4 E

LAT. = 32.210133 DEG. N

LONG. = 104.104877 DEG. W

Final Pad = 270' x 490'





EXHIBIT#5

Legend Natural Gas III, LP Multi-Point Surface Use Plan of Operations

Browning Federal Com 5H SHL: 110 FNL & 1277 FEL BHL: 330 FNL & 360 FEL SHL: Section 20, T-24S, R-28E BHL: Section 17, T-24S, R-28E

Eddy County, New Mexico

The plan is submitted with Form 3160-3, Application for Permit to Drill, covering the above described well: The purpose of this plan is to describe the location of the proposed well, the proposed construction activities and operations plan, the magnitude of the surface disturbance involved and the procedures to be followed in rehabilitating the surface after completion of the operations so that a complete appraisal can be made of the environmental effect associated with the operations.

1. Existing Roads:

- a. The well site and elevation plat for the proposed well are reflected on the well site layout Form C-102. The well was staked by John West Surveying Company.
- b. Exhibit #2 is a portion of a topographic map showing the well and roads in the vicinity of the location. The well site is indicated on Exhibit #2
- c. Routine grading and maintenance of existing roads will be conducted as necessary to maintain their condition as long as any operations continue with this lease.

Directions:

From the intersection of US Highway 285 & CR 720 (Black River Rd.) go west on Black River Road approx. 1.7 miles to CR 716 (Higby Hole Rd.); turn left and go south on Higby Hole approx. 0.75 miles to end of pavement. Turn right and go southwest approx. 0.25 miles. Veer left and continue south approx. 0.2 miles. This location is west approx. 300 feet. Location is approximately 2.9 miles west/southwest of Malaga, NM.

2. Planned Access Road:

Legend Natural Gas III, LP will be using existing caliche road to access the Browning Federal Com 5H well; from there, an additional 47' of caliche road will need to be constructed. Width of the road is 14' wide with a crown design. The maximum with of surface disturbance needed to construct the road is 25 feet. The road is crowned and ditched with a 2% slope from the tip of the crown to the edge of the driving surface. The ditches are 3 feet wide with 3:1 slopes.

3. Location of Existing Facilities: (Exhibit #4)

Wells within a mile radius of proposed surface-hole location include:

- Ogden-8 #1
- Craft/8/#1
- James R Craft #1
- Browning Federal Com 3H (Proposed Location, Legend Natural Gas III, LP)
- Browning Federal Com 4H (Proposed Location, Legend Natural Gas III, LP)
- Browning Federal Com 5H (Proposed Location, Legend Natural Gas III, LP)
- Browning Federal Com 6H (Proposed Location, Legend Natural Gas III, LP)
- Oxy Big Spender State #1
- State 16#1
- State /16/#1
- Bypass #1HSTHL
- Oxy Bypass 16 State #1
- Enfield Federal #1
- Carlton 17
- Black Eagle Federal #1
- Browning Federal CO #1
- High Brass 2H
- High Brass Fee #1
- High Brass 3H (Proposed Location, Legend Natural Gas III, LP)
- Willow Lake 20 FED #1
- Willow Lake Unit #2
- New Man Federal Com #1
- Pardue Farms/20/#1
- Pardue 19 Com #1
- Pardue 19 Com 3H (Permitted Location, Legend Natural Gas III, LP)
- Pardue 19 Federal Com 2H (Proposed Location, Legend Natural Gas III, LP)
- Congo Federal Com #1
- Rwanda Fee Com #1
- Stent 21 Federal Com #2H
- OPL Stent Federal #1
- Pardue #1
- Pardue Farms 21 #1
- Woods /9/#1

4. Location of Existing and/or Proposed Facilities:

- a. In the event the well is found productive, a tank battery and other surface facilities will be constructed onsite (See Exhibit C-102 & Exhibit#5 & #6)
- b. Exhibit #3 shows the proposed pipeline route to the Browning Federal Com 4H, 5H, and 6H facility. The proposed route is 8625.0' in length, all included in section 20. 1"-6" steel, buried gas sales line with a working PSI of 150, Starting at the S/E corner

of section 20 running N 3582' with a slight turn N/W 562.6' then 3730.4' W to tie-in point for Browning Federal Com 2H and 3H pad. Browning 2H & 3H pad will consist of a 750.0' 4" sales line (stated L11) tying into proposed pipeline route. Browning Federal Com 4H, 5H, and 6H will consist of a 789.8' 4" sales line (stated L14) tying into intersection point of proposed pipeline; and 1-4" poly waterline on surface with an operating PSI of 120 or less. being more particularly described in Exhibit #3

- c. A buried flow line from the well head to the separator is proposed and will be 150' of 4" welded steel line carrying oil, gas, and water with less than 150 psi.
- d. All flow lines will adhere to API Standards
- e. An Onsite Inspection was conducted with BLM representative, Indra Dahal on **December 11, 2013** with no issues being found during the inspection.

5. Location and Types of Water Supply:

This well will be drilled using a combination of water mud systems (outlined in the Drilling Program). The water will be obtained from commercial water stations in the area and hauled to a location by transport truck using the existing and proposed roads shown in Exhibit #2. On occasion, water will be obtained from a pre-existing water well, running a pump directly to the drill rig. In these cases where a poly pipeline is used to transport water for drilling purposes, the existing and proposed road shown in Exhibit #2 will be utilized.

6. Construction Materials

All caliche utilized for the drilling pad and proposed access road will be obtained from an existing pit or from prevailing deposits found under the location. All roads will be constructed of 6" rolled and compacted caliche. Where BLM recommends use of extra caliche, will obtain from other locations close by for roads, if available.

7. Methods of Handling Waste Material:

- a. All trash, junk, and other waste material will be removed from the well site within 30 days after finishing drilling and/or completion operations. All waste material will be contained in trash cages or trash bins to prevent scattering. When the job is completed, all contents will be removed and disposed of in an approved sanitary landfill.
- b. The supplier will pick up slats, including broken sacks, remaining after the completion of the well.
- c. A port-o-john will be provided for the rig crews. This equipment will be properly maintained during the drilling and completion operations and will be removed when all operations are complete.
- d. Disposal of fluids to be transported by an approved disposal company.

8. Ancillary Facilities:

No campsite or other facilities will be constructed as a result of this well

9. Well Site Layout:

- a. Exhibit #1 shows the proposed well site layout with dimensions of the pad layout.
- b. Mud pits in the active circulating system will be steel pits and a closed loop system will be utilized.

10. Plans for Surface Reclamation:

Surface is privately owned; per discussion with the landowner we will keep the pad the same size for future drilling and completion operations off this same pad to minimize the footprint.

11. Surface Ownership:

The surface is owned by Pardue Limited. PO Box 2018 (126 N. Canyon), Carlsbad, New Mexico 88220. Phone number is 575-887-9525. A Surface Use Agreement between Pardue Limited and Legend Natural Gas III, LP has been executed. A copy of the Multi-Point Surface Use and Operations Plan has been mailed to Pardue Limited. (See Exhibit #8 & Exhibit #9)

12. Other Information

- a. The area surrounding the well site is grassland. The vegetation is moderately sparse with native prairie grass and mesquite bushes. No wildlife was observed but is likely that deer, rabbits, coyotes, and rodents traverse the area.
- b. There is no permanent or live water in the general proximity of the location.
- c. Topsoil will be stockpiled 30' wide on the SOUTH SIDE of the location until it is needed for interim reclamation.
- d. A NSL (Non Standard Location) application will be filed with the State of New Mexico Oil Conservation Division
- e. This pad location is designated for the Browning Federal Com 4H, Browning Federal Com 5H, and the Browning Federal Com 6H

13. Operator's Representatives:

Drilling: David Dunn: 817-872-7805 Drilling: Scott Zacharie: 817-872-7806 Operations: Jason Vining: 817-872-7845 Operations: Ron Dahle: 817-872-7811 Land: John McCauley: 281-644-5972 Geology: Dan Emmers: 817-872-7853 Regulatory: Jennifer Elrod: 817-872-7822

Environmental: Brad Bingham: 817-872-7808 HSE- Jody Fontenot: 817-872-7809