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

5. Lease Serial No.

CHAIDDY MOTICES	AND DECODE ON WELLS
SUNDRY NOTICES	AND REPORTS ON WELLS
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abandoned wei						
SUBMIT IN TRI	7. If Unit or CA/Agreement, Name and/or No.					
Type of Well Gas Well ☐ Oth	8. Well Name and No. PARDUE 29 FEDERAL COM 4H					
2. Name of Operator	Contact:	JENNIFER E	LROD		9. API Well No.	
LEGEND NATURAL GAS III, I	30-015-42422					
3a. Address 15021 KATY FREEWAY SUIT HOUSTON, TX 77094		10. Field and Pool, or Exploratory WILLOW LAKE;BONE SPRING				
4. Location of Well (Footage, Sec., T.		11. County or Parish, and State				
Sec 29 T24S R28E 45FNL 12	77FWL			EDDY COUNTY, NM		
12. CHECK APPE	ROPRIATE BOX(ES) TO) INDICATE	'NATURE OF I	NOTICE, RI	EPORT, OR OTHER	R DATA
TYPE OF SUBMISSION			TYPE O	F ACTION		
Notice of Intent	☐ Acidize	☐ Dee	pen	☐ Product	ion (Start/Resume)	☐ Water Shut-Off
_	☐ Alter Casing	☐ Frac	ture Treat	☐ Reclam	ation	■ Well Integrity
☐ Subsequent Report	Casing Repair	□ New	Construction	☐ Recomp	olete	☑ Other Change to Original A
☐ Final Abandonment Notice	Change Plans		and Abandon	☐ Temporarily Abandon		PD PD
	☐ Convert to Injection	Plug	ug Back		Disposal	
If the proposal is to deepen directions Attach the Bond under which the wor following completion of the involved testing has been completed. Final Abdetermined that the site is ready for fi	k will be performed or provide operations. If the operation re- pandonment Notices shall be file	the Bond No. or sults in a multipl	n file with BLM/B1/ e completion or reco	A. Required sul ompletion in a l	bsequent reports shall be new interval, a Form 316	filed within 30 days 0-4 shall be filed once
NMB000525						
AMENDING SURFACE LOCA T24S, R28E.	ATION FROM 45FNL & 12	290FWL; SEC	CT. 29, T24S, R2		NL & 1277FWL; SEC	
REVISED 3160-3, REVISED B	EXHIBITS AND SURFAC	E USE PLAN	ATTACHED.		ARTESIA DISTRI	CT
	fr	Spiec ion	2015		JAN 6 9 20	15
		RECEIVED				
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14. I hereby certify that the foregoing is	true and correct.			· · · · · · · · · · · · · · · · · · ·		
	Electronic Submission #2	ATURAL GAS	III, LP, sent to the	ne Carlsbad		
Name(Printed/Typed) JENNIFEF	R ELROD	Title SR. RE	GULATORY	ANALYST		
•	•				•	
Signature (Electronic S	Submission)		Date 08/06/2	014		
	THIS SPACE FO	OR FEDERA	L OR STATE	OFFICE U	SE	
Approved By	pln/I Coyy	Title FIELD MANAGER Date / 6//3				
Conditions of approval, if any, are attache certify that the applicant holds legal or equ which would entitle the applicant to condu	iitable title to those rights in the		Office CARLS	BAD FIELD	OFFICE	
Title 18 U.S.C. Section 1001 and Title 43 States any false, fictitious or fraudulents	U.S.C. Section 1212, make it a	crime for any pe	rson knowingly and	willfully to ma	ake to any department or	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 Pardue 29 Federal Com 4H 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 APPROVED Form 3160-3 OMB No. 1004-0137 Expires October 31, 2014 (Match 2012) UNITED STATES 5. Lease Sérial No. DEPARTMENT OF THE INTERIOR NM92757 BUREAU OF LAND MANAGEMENT 6. If Indian, Allotee or Tribe Name APPLICATION FOR PERMIT TO DRILL OR REENTER 7 If Unit or CA Agreement, Name and No. DRILL REENTER la. Type of work: 8. Lease Name and Well No. Ib. Type of Well: Oil Well Gas Well Other ✓ Single Zone Multiple Zone PARDUE 29 FEDERAL COM 4H Name of Operator LEGEND NATURAL GAS III, LP 9. API Well No. 30-015-3b. Phone No. (include area code) 3a. Address 10. Field and Pool, or Exploratory 15021 KATY FREEWAY, STE. 200 817-872-7822 HOUSTON, TX 77094 Willow Lake; Bone Spring (64450) 4. Location of Well (Report location clearly and in accordance with any State requirements.*) 11, Sec., T. R. M. or Blk. and Survey or Area SECT. 29 T-24S, R-28E At surface 45 FNL & 1277 FWL At proposed prod. zone. BOTTOM HOLE 330 FSL & 380 FWL 12. County or Parish 14. Distance in miles and direction from nearest town or rost office* 13. State Eddy NM APPROX 5:0 MILES WEST/SOUTHWEST OF MALAGA, NM Distance from proposed! 17. Spacing Unit dedicated to this well 16 No. of acres in lease NM-92757 - 1081.18 location to nearest property of lease line, ft. (Also to nearest drig, unit line, if any) 160 ACRES 18. Distance from proposed location* SURFACE-30' to nearest well, drilling, completed, SUBSURFACE+ applied for, on this lease, ft. 300' Vary 1130' Horiz 20. BLM/BIA Bond No. on file 19. Proposed Depth 12747'MD; 7972'TVD NMB00525 22. Approximate date work will start* 21. Elevations (Show whether DF, KDB, RT, GL, etc.) 23. Estimated duration 3048 04/01/2013 2 MONTHS 24. Attachments The following, completed in accordance with the requirements of Onshore Oil and Gas Order No.1, must be attached to this form: 1. Well plat certified by a registered surveyor. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above). 2. A Drilling Plan. 3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO must be filed with the appropriate forest Service Office). Operator certification Such other site specific information and/or plans as may be required by the BLM. 25. Signatura Name (Printed Typed) Date

	JENNIFER MOSLEY ELROD	02/06/2014		
SR-REGULATORY ANALYST				
Approved by (Signature)	Name (Printed Typed)	Date		
Title	Office .			
•				

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon

Conditions of approval, if any, are attached.

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictilious or fraudulent statements or representations as to any matter within its jurisdiction.

(Continued on page 2)

*(Instructions on page 2)

DISTRICT 1
1625 N. French Dr., Hobbs, NM 88240
Phoje: (375) 393-6161 Fav. (575) 393-0720
DISTRICT II
811 S. Frist St. Artesio, NM 88210
Phoje: (375) 748-1283 Fav. (575) 748-9720
DISTRICT III
1000 Rio Benros Read, Aztec, NM 87410
Phoje: (305) 334-6178 Fax. (305) 334-6170
DISTRICT IV
1220 S. St. Francis Dr., Sanda Fe, NM 87505
Phoje: (305) 476-3450 Fax. (505) 476-3462

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

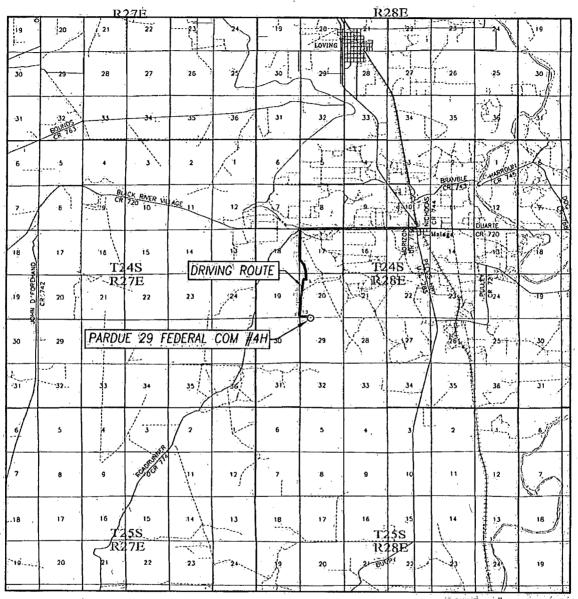
Form C-162 Revised August 1, 2011 Submit one copy to appropriate District Office

DAMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

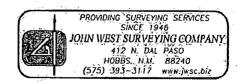
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Bottom Hole Location If Different From Surface										
UL or lot No.	Section	Township	Kange	Lot Idn Feet from the		1 1 1 1 1		from the East/West line		County
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Dedicated Acres	Joint gi	r Infill Co	nsolidation C	Code Ord	er No.					
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	11		X=609157.4 E X=567974:0 E proposed bottom hote location or has a right to drill this well at this location pursuant to a contract with an owner of such mineral or working interest, or to a voluntary							
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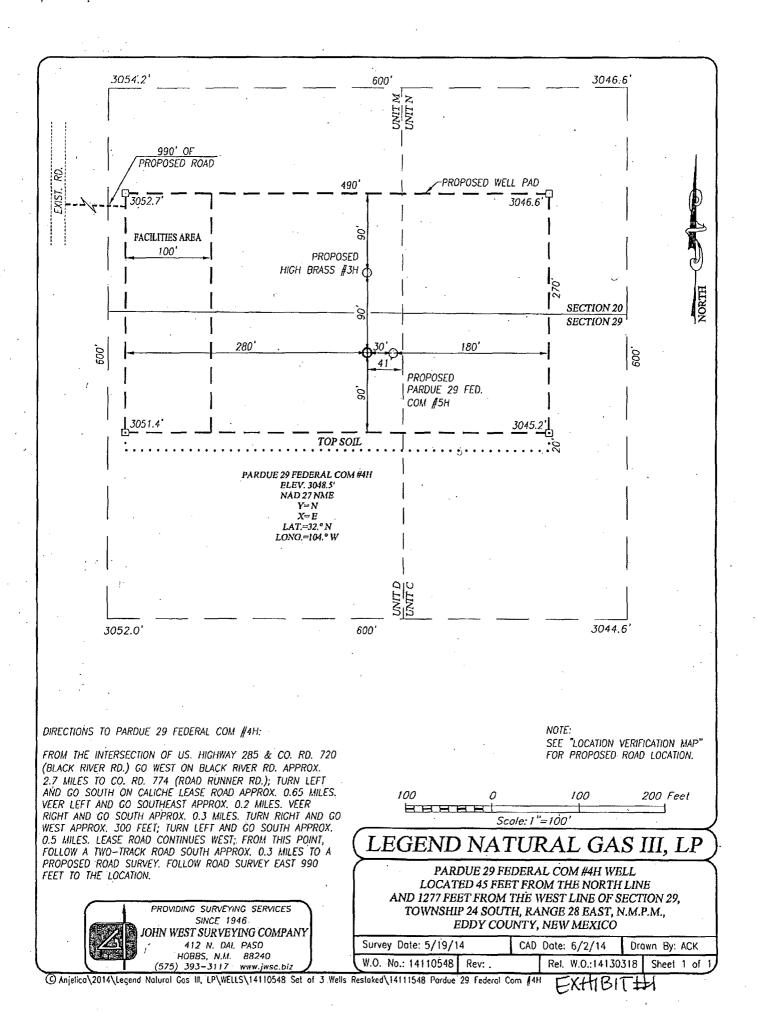
VICINITY MAP



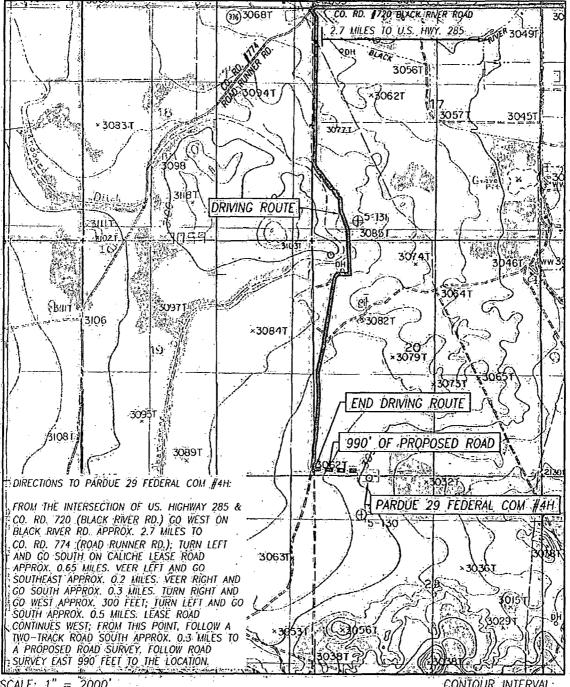
SCALE: 1" = 2 MILES DRIVING ROUTE: SEE LOCATION VERIFICATION MAP

SEC 29	TWP. <u>24-S</u> RGE. <u>28-E</u>
SŲRVĖY_	N.M.P.M.
COUNTY	ÉDDY STATE NEW MEXICO
DESCRIP	TION <u>45' FNL & 1277' FWL</u>
ELEVATIO	N3048'
OPERATO	R LEGEND NATURAL GAS III, LP
LEASE	PARÖHÉ 29 FEDERAL COM





LOCATION VERIFICATION MAP



SCALE: 1'' = 2000'

SEC. 29 TWP. 24-S RGE. 28-E N.M.P.M. SURVEY

COUNTY EDDY STATE NEW MEXICO DESCRIPTION 45' FNL & 1277' FWL

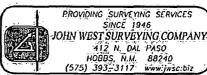
3048 ELEVATION

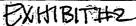
OPERATOR LEGEND NATURAL GAS III, LP

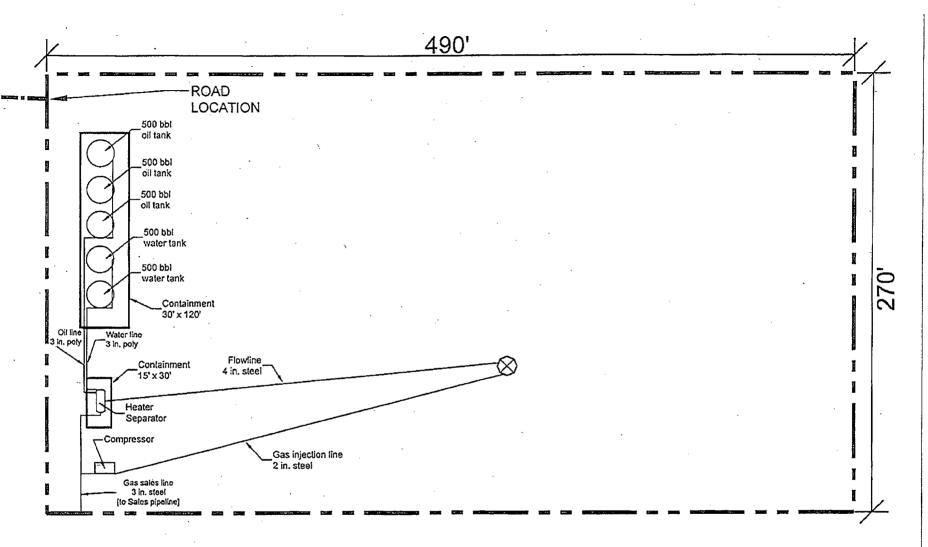
PARDUE 29 FEDERAL COM

U.S.G.S. TOPOGRAPHIC MAP

CONTOUR INTERVAL: MALAGA, N.M. - 10'



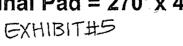




PARDUE 29 FEDERAL COM #4H

ELEV. 3,047.5' NAD 27 NME Y = 434989.5 NX = 567974.0 ELAT. = 32.195712 DEG. N LONG. = 104.113591 DEG. W

Final Pad = $270' \times 490'$





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

Pardue 29 Federal Com 4H SHL: 45 FNL & 1277 FWL BHL: 330 FSL & 380 FWL Section 29, 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 & County Rd. 720 (Black River) go west on Black River rd. approximately 2.7 miles to CR 774 (Road Runner Rd.); turn left and go South on caliche lease road approximately 0.70 miles. Veer left and go southeast approximately 0.2 miles, veer right and go south approximately 0.3 miles. Turn right and go west approximately 300 feet; turn left and go south approximately 0.5 miles. Lease road continues west; from this point, follow a two-track road south approximately 0.3 miles to a proposed road survey. Follow road survey east approximately 1003 feet to the northwest corner of the proposed well pad. This location stake is southeast approximately 325 feet. This well location is approximately 5.0 miles west/southwest of Malaga, NM.

2. Planned Access Road:

Legend Natural Gas III, LP will be using existing caliche road and will have to construct an 1003' of caliche road in order to access the Pardue 29 Federal Com 5H well site. 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:

- Pardue 29 Federal Com 4H (proposed; Legend Natural Gas III, LP, permitted 01/2014)
- Pardue 29 Federal Com 5H (proposed; Legend Natural Gas III, LP, permitted 01/2014)
- Pardue 29 Federal Com 6H (proposed; Legend Natural Gas III, LP, permitted 01/2014)
- Pardue 29 Federal Com 7H (proposed; Legend Natural Gas III, LP, permitted 01/2014)
- Pardue Farms 29 #3
- Pardue Farms 29 #2
- Pardue Farms 29 SWD #1
- EKG Fee #1
- High Brass Fee #1
- High Brass 3H (proposed; Legend Natural Gas III, LP, permit has not been submitted)
- High Brass 2H
- New Man Federal Com #1
- OPL Stent Federal #1
- Federal 28 #1
- Reed #1
- Mossberg 28 Federal #1Y
- Mossberg Federal #1
- Second Chance Fed #1
- Really Scary Federal Com #2H
- Really Scary Federal Com #3H
- Realy Scary Federal Com #5H
- Spanky Federal Com #1
- Full Choke Com 3H
- Full Choke #1
- Full Choke Com 2H
- Buckshot State Com #2H
- Pardue Farms 20 #1
- Pardue 19 Com 3H (permitted ENMRD; API-30-015-41405)
- Pardue 19 Com #1
- Pardue 19 Federal Com 2H
- Dakota Federal 30 #1
- Goodnight Federal #1
- Goodnight Federal #2

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)
- b. Exhibit #3 shows the proposed pipeline route to the Pardue 29 Federal Com 4H facility. The proposed route is 6687.9' in length, and will include: 1-6" steel, buried gas sales line with a working PSI of 150; and 1-4" poly waterline on surface with an operating PSI of 120 or less. The 6" steel gas pipeline is to parallel the southern portion of section 20 W/E, crossing into section 21 for 607.9' running S/E to section 28 tying into existing pipeline at Legend Natural Gas III,LP, central gathering facility, 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.

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. This pad location is designated for the Pardue 29 Federal Com 4H and the Pardue 29 Federal Com 5H

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