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

1220 S. St. Francis Dr., Santa Fe, NM 87505

District IV

State of New Mexico Energy Minerals and Natural Resources

Form C-101 May 27, 2004

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 APR 2 2 2008

APPI	LICATI	ON FOR				ENTE	ER, DI	EPEN	, PLUGBA				NE_
Operator Name and Address Nadel and Gussman Permian, LLC					OGRID Number								
601 N. Manenfeld Suite 508 Midland, TX 79701								30 – 015-	3/0 ^{AB} /	Number			
Property Code Property N					Name I Fee		<u> </u>			° Wel	ll No. 2		
Dublin Panch, Morrow					¹⁰ Proposed Pool 2								
- War	<u> </u>	7 1000	- Interior		⁷ Surface	Locat	ion		· · · · · · · · · · · · · · · · · · ·				
UL or lot no	Section	Township	Range	Lot I			North/Se	outh line	Feet from the	East/West line		Cou	inty
С	31	22 S	28 E	<u> </u>	66		No		1410	W	est	Ed	dy
			⁸ Propo	sed Botte	om Hole Loca	tion If	Differen	t From S	Surface				
UL or lot no	Section	Township	Range	Lot 1	dn Feet fr	om the	North/Se	outh line	Feet from the	East/W	est line	Cou	inty
					ditional We	ell Info	ormatic						
	Type Code		12 Well Type Coo G	le		e/Rotary R		14	Lease Type Code P		15 Grou	and Level Elev 3,032'	ration
	Multiple No		¹⁷ Proposed Dep 12,900'	th					¹⁹ Contractor be Determined)		²⁰ Spud Date 05/15/08		
Depth to Gro		0' or less		Distance	from nearest fresh w	ater well	200' or Mo	re	Distance from	nearest surf	ace water	Less than 20	0'
<u>Pit:</u> Line	r: Synthetic	20_m	ils thick Clay	Pit V	olume:	bbls Drilling Method:							
Clos	ed-Loop Sy	stem 🛛							Brine D	iesel/Oil-b	ased 🔲	Gas/Air	
			21	Propos	ed Casing a	and Ce	ement l	Progran	n				
Hole !	Size	Cası	ng Size		g weight/foot		Setting De		Sacks of C	ement		Estimated 7	ГОС
17 ½" 13 3/8"		3/8"	4	8# H-4 0		300'		350s	•		Circ. to Su	ırf.	
12 ¼"		9	5/8"	40# N	-80, HCN-80		6,800		1300s	1300sx Circ. to Surf.		ırf,	
8 ¾"			5 ½"		17# HCP-110, 20# P-110		12,900'		1200sx		TOC @ +/-		# 60
						<u> </u>							
Describe the Nadel and Go be installed of	e blowout prussman Perion the 9 5/8'	evention prog mian, LLC pro casing and t	gram, if any Use oposes to drill the ested. Cement to	e additiona e Hanniba o cover all	I sheets if necess Fee #2. A mud water, oil and ga	gas sepa s produc	rator will	be installe	esent productive and tested prior I-loop mud systen expected, but a co	to drillin	g the Wo	lfcamp A I P will notify	BOP will
best of my kr	nowledge an	id belief. I fur to NMOCD ;	given above is to rther certify tha guidelines , a roved plan .	t the drill	ing pit will be	Appro	ved by:		ONSERVA	_		ION	
Signature:	1/2	my ?	Vest			Trist	Di	In	NW. J	Se.	en l	* ***	(B
Printed name: Terry West					Title:	1.5	N. To	<u>.</u>	0		lasta		
Title: Engine		(Anagues ser				Appro	val Date:	T/32/ U	<u> </u>	Expiration	Date: 4	13410	C.
		@naguss.com		02.4420		G ::							
Date: 4/14/08 Phone: 432-682-4429			Conditions of Approval Attached										

DISTRICT I 1625 N. French Dr., Hobbs, NM 88240 DISTRICT II 1301 W. Grand Avenue, Artesia, NM 88210

State of New Mexico Energy, Minerals and Natural Resources Department

Form C-102 Revised October 12, 2005

Submit to Appropriate District Office

State Lease - 4 Copies Fee Lease - 3 Copies

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

DISTRICT IV 1220 S. St. Francis Dr., Santa Fe, NM 87505 OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, New Mexico 87505

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

		WELL L	CATION	AND ACKEA	GE DEDICATION	UN FLAI			
	30-015-36307 76140 Dublin Ranch.							Morrow	
	Property Code			Property Nam		7)	Well Number		
	35 438			HANNIBAL F			2		
	OGRID No.		NADEL	Operator Nam AND GUSSMA			Elevat		
l	<u> </u>		NADEL			3032'			
				Surface Loca					
	UL or lot No. Section	Township Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County	
	C 31	22 S 28 E		660	NORTH	1410	WEST	EDDY	
		Bottom	Hole Lo	cation If Diffe	rent From Sur	face			
	UL or lot No. Section	Township Range	Lot ldn	Feet from the	North/South line	Feet from the	East/West line	County	
		or Infill Consolidation	Code Or	der No.					
	220								
	NO ALLOWABLE V	WILL BE ASSIGNED OR A NON-STAI					EN CONSOLIDA	ATED	
		1	7			OPERATO	R CERTIFICAT	ION	
	1	-,09		1		I hereby cer	tify that the inform	ation	
		9	Lat.: N32*	21'16.29"		the best of my	tify that the inform n is true and compl knowledge and belief	and that	
	1410'	-8	Long.: W1	04°07'48.51" 492767.564		interest or unle	ı either owns a work ased mineral interest	in the	
			SPC-N.:	604081.273		location pursuan	the proposed bottom I it to a contract with al or working intere	an owner	
			(NA	D-83)		a voluntary pool	ling agreement or a ing order heretofore	1	
	K	- 	 _			the division.	a. / .	_	
	1 i			i	(Porru	Wast	1 10 20	
	İ			j		Signature	1000	7-/5-18 Date	
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				İ		IERKY	WEST		
				i		Printed Name	e		
	1		/	<u> </u>		SURVEYO	R CERTIFICAT	ION	
	i i	1	7	i			that the well locate		
	ļ					11	is plotted from field made by me or	1	
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						AP	RIJ 2008		
				ļ		Date Surveye	W. W.		
			† – – -			Signature Professional	Surveyor	\	
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				1		Certificate No	Gary L. Jones	7977	
	II i	1	1			11 12	CIN CHIDURYS		

NADEL AND GUSSMAN PERMIAN, L.L.C. 601 N. Marienfeld, Suite 508 Midland, TX 79701 (432) 682-4429 (Office) (432) 682-4325 (Fax)

APR 2 2 2008 OCD-ARTESIA

4/15/08

Mr. Bryan Arrant District 2 Geologist New Mexico Oil and Gas Division 1301 West Grand Avenue Artesia, NM 88210

Re: Hannibal Fee #2 660' FNL & 1410' FWL Unit Letter C, Sec. 31-T22S-R28E Eddy, NM

Application for Permit to Drill

Dear Mr. Arrant,

Attached you will find an original and 4 copies of a C-101, C-102, H2S contingency letter, blowout preventer requirements, mud program, plats, maps and rig plat for the referenced well. This well will be drilled with a closed loop mud system and drilling operations are scheduled to begin approximately on 05/15/08.

Please contact me if you have any additional questions.

Sincerely,

Engineer

NADEL AND GUSSMAN PERMIAN, L.L.C. 601 N. Marienfeld, Suite 508 Midland, TX 79701 (432) 682-4429 (Office) (432) 682-4325 (Fax)

4/15/08

Mr. Bryan Arrant District 2 Geologist New Mexico Oil and Gas Division 1301 West Grand Avenue Artesia, NM 88210

Re: Hannibal Fee #2 660' FNL & 1410' FWL Unit Letter C, Sec. 31-T22S-R28E Eddy, NM Rule 118 H2S Exposure

Dear Mr. Arrant,

Nadel and Gussman Permian have evaluated this well and we do not expect to encounter hydrogen sulfide. However, we will employ a third party monitoring system. We will begin monitoring prior to drilling out the intermediate casing and will continue monitoring the remainder of the well.

Please contact me if you have any additional questions.

Sincerely,

Engineer

Hydrogen Sulfide Drilling Operations Plan

- 1. Company and Contract personnel admitted on location should be trained by a qualified H₂S safety instructor to the following:
 - A. Characteristics of H₂S.
 - B. Physical Effects and Hazards.
 - C. Proper Use of Safety Equipment and Life Support Systems.
 - D. Principle and Operation of H₂S Detectors, Warning System and Briefing.
 - E. Evacuation Procedure. Routes and First Aid.
 - F. Proper Use of 30 minute Pressure Demand Air Pack.

2. H₂S Detection and Alarm Systems

A. H₂S Detectors and Audio Alarm System to be Located at Bell Nipple, End of Blooie Line (mud pit) and on Derrick floor or doghouse.

3. Windsock and/or Wind Streamers

- A. Windsock at Mud Pit Area Should be High Enough to be Visible.
- B. Windsock at Briefing Area Should be High Enough to be Visible.
- C. There Should be a Windsock at Entrance to Location.

4. Condition Flags and Signs

- A. Warning Sign on Access Road to Location.
- B. Flags to be Displayed on Sign at Entrance to Location.
 - 1. Green Flag, Normal Safe Condition.
 - 2. Yellow Flag, Indicates Potential Pressure and Danger.
 - 3. Red Flag, Danger H₂S Present in Dangerous Concentration Only Emergency Personnel Admitted to Location.

5. Well Control Equipment

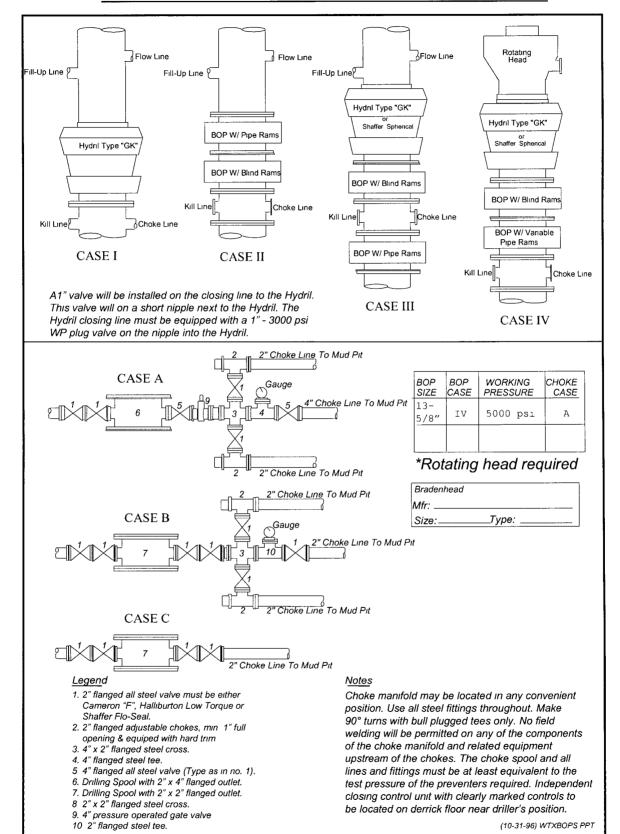
A. See Attached Diagram.

6. Communication

- A. While Working Under Masks Chalkboards Will be Used for Communication.
- B. Hand Signals will be Used Where Chalk Board is Inappropriate.
- C. Two Way Radio or Cell Phone will be Used to Communicate off Location in Case of Available at Most Drilling Foreman's Trailer or Living Quarters.

7. Drillstem Testing

- A. Exhausts will be Watered.
- B. Flare Line will be Equipped with an Electric Igniter or a propane pilot light in case gas reaches the surface.
- C. If Location is near any Dwelling a Closed DST will be Performed.
- 8. Drilling Contractor Supervisor will be Required to be Familiar with the Effects H₂S has on tubular goods and other mechanical equipment.
- 9. If H₂S Encountered, Mud system will be Altered if Necessary to Maintain Control of Formation. A Mud Gas Separator will be Brought into Service Along with H₂S Scavengers if Necessary.



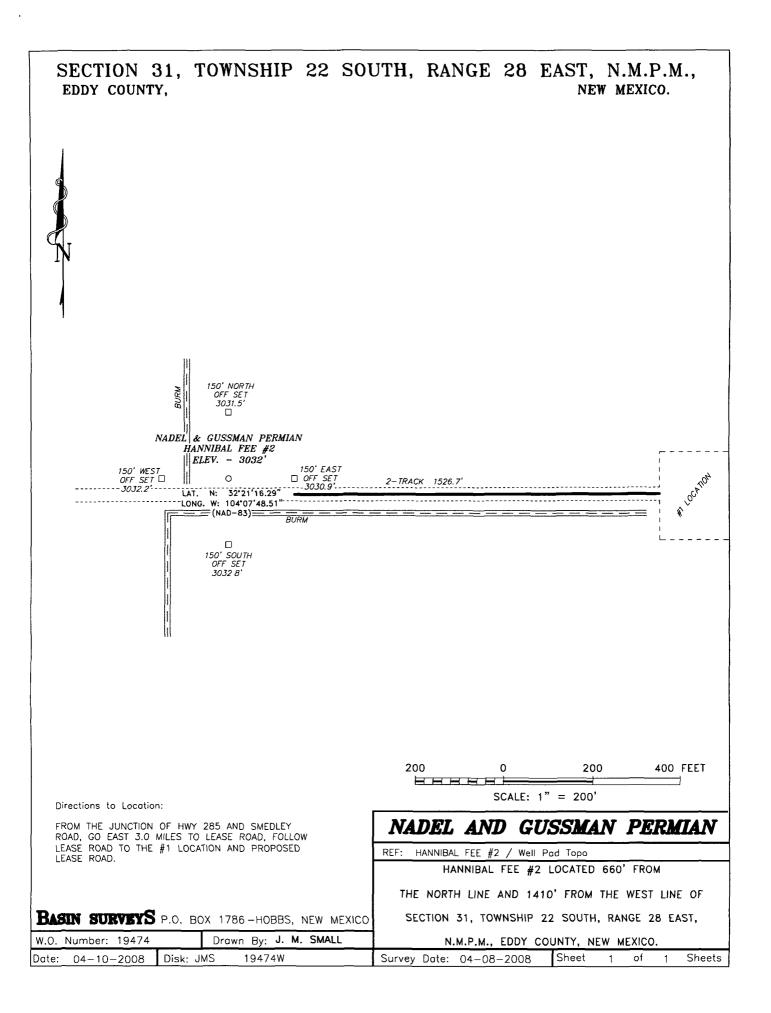
PROPOSED MUD PROGRAM

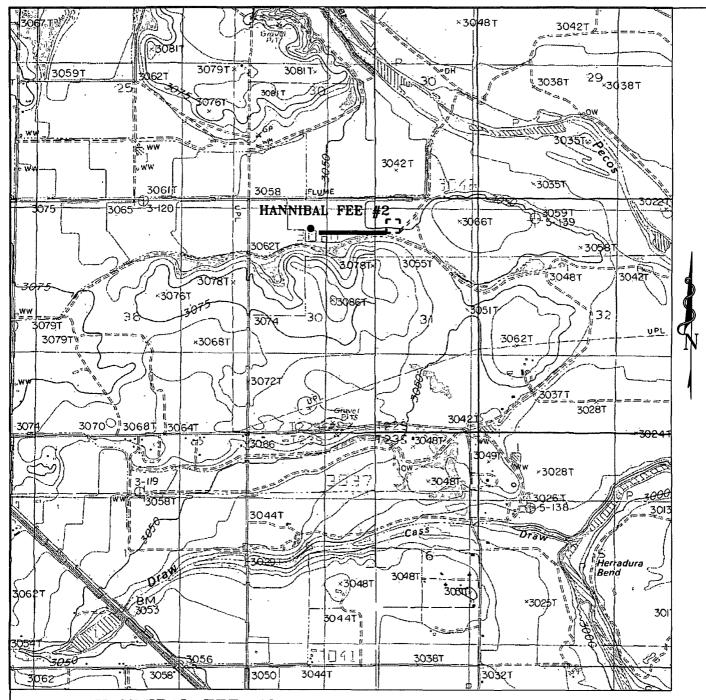
CASING DESIGN

13 3/8"	Surface Casing	at	300'
9 5/8"	Intermediate Casing	at	6,800'
8 3/4"	Open Hole	to	12, 8 00'

RECOMMENDED MUD PROPERTIES

DEPTH	MUD WEIGHT	VISCOSITY	FLUID LOSS
Spud	8.6- 8.7	30-32	No Control
300'	8.9- 9.2	30-32	No Control
Set 13 3/8" Surfa	ace Casing at 300'. Drill ou	t with Brine Water.	
400'	9.8-10.0	28-29	No Control
2,000°	9.8-10.0	28-29	No Control
3,500°	9.8-10.0	28-29	No Control
5,000°	9.8-10.0	28-29	No Control
6,800'	9.8-10.0	28-29	No Control
Set 9 5/8" Interr	nediate Casing at 6,800'. D	rill out with Fresh W	ater.
6,900'	8.4- 8.5	28-29	No Control
8,000'	8.4- 8.5	28-29	No Control
9,000'	8.4- 8.5	28-29	No Control
9,700'	9.4- 9.8	28-29	No Control
10,500'	9.6-10.0	28-29	No Control
10,900'	9.8-10.2	32-34	<12
11,200'	10.2-12.0	32-38	<12
11,500'	10.2-12.0	34-38	<12
11,800'	10.2-12.0	34-38	<8
12,800'	10.2-12.0	36-45	<8





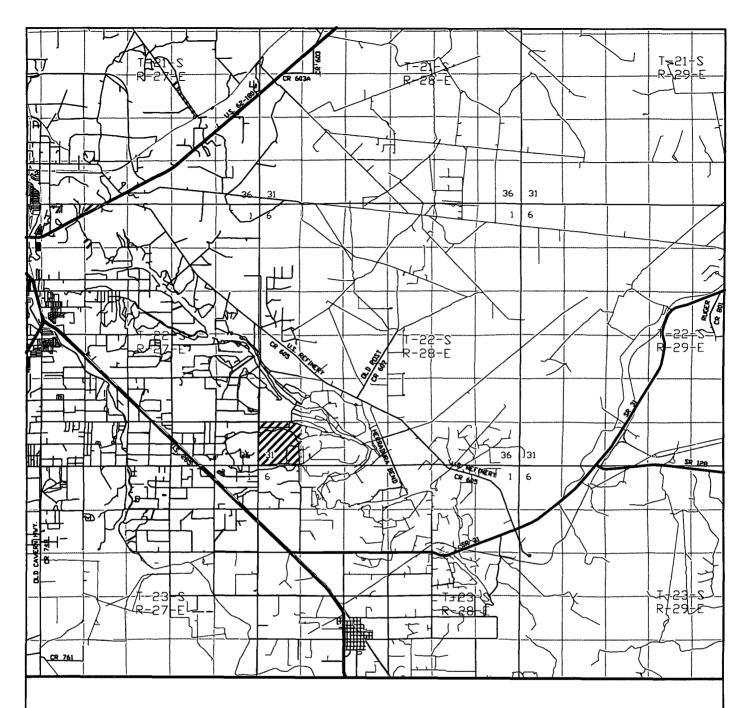
HANNIBAL FEE #2 Located at 660' FNL & 1410' FWL Section 31, Township 22 South, Range 28 East, N.M.P.M., Eddy County, New Mexico.



P.O. Box 1786 1120 N. West County Rd. Hobbs, New Mexico 88241 (505) 393-7316 - Office (505) 392-3074 - Fox basinsurveys.com

W.O. Number:	19474T
Survey Date:	04-08-2008
Scale: 1" = 2	000'
Date: 04-10-	-2008

NADEL AND GUSSMAN PERMIAN



HANNIBAL FEE #2 Located at 660' FNL & 1410' FWL Section 3, Township 22 South, Range 28 East, N.M.P.M., Eddy County, New Mexico.



P.O. Box 1786 1120 N. West County Rd. Hobbs, New Mexico 88241 (505) 393-7316 - Office (505) 392-3074 - Fax basinsurveys.com

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NADEL AND GUSSMAN PERMIAN

