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ي <i>ع</i> ر	Form 3160-3 (July 1992)	UNITED DEPARTMENT O	1301 STATES	W. Gre esia . M	M 88546	CATE Tuctions on side)	OMBIN	APPROVED O. 1004-0136 ebruary 28, 1995
						<i>\$</i>	5. LEASE DESIGNAT	ION AND SERIAL NO.
-	BUREAU OF LAND MANAGEMENT						NM.O	354232
-	APPLICATION FOR PERMIT TO DRILL OR DEEPEN							TEE OR TRIBE NAME
•	1a. TYPE OF WORK D	RILL 🛛	DEEPEN				7. UNIT AGREEMEN	TNAME
-	WELL			SINGLE	12 320NE		8. FARM OR LEASE	NAME, WELL NO.
7	2. NAME OF OPERATOR			~	,0 ⁵ ,	620		ederal #1
-	Nadel and Gussma 3. ADDRESS AND TELEPHON	·····	OGRID #1556	315 (9 ²	7	1.01	9 API WELL NO.	15 - 3703
				aments.*)	AUG 2003	1011	10. FIELD AND POOL	L, OR WILDCAT
-	4. LOCATION OF WELL (Repo	rt location clearly and in accordance	e with any State require	ements.*)	OCDECEIVED	N	Burto	n Flat, Manau
		660' FNL Bitunt	7/24/03	SN Port	23 TARTESIA	137	11. SEC., T., R., M., C AND SURVEY OR	or Blk
	At proposed prod. zone Same			/cc		12	Sec. 28-T	21S-R27E
7	14. DISTANCE IN MILES AND	DIRECTION FROM NEAREST TO	WN OR POST OFFICE		11819202123	N97	12. COUNTY OR PAP	RISH 13. STATE
	1.5 miles Northeas	t of Carlsbad, NM			120261811		Eddy	NM
-	15. DISTANCE FROM PROPO LOCATION TO NEAREST			16. NO. OF ACR		17. NO. OF TO THIS	ACRES ASSIGNED	
-	PROPERTY OR LEASE LIN (Also to nearest drig. unit line	e, if any)	660'		320			20
•	18. DISTANCE FROM PROPO TO NEAREST WELL, DRILL OR APPLIED FOR, ON THIS	LING, COMPLETED,	232'	19. PROPOSED	DEPTH 2,000	20. ROTARY	Y OR CABLE TOOLS Rotary	
:	21. ELEVATIONS (Show wheth	er DF, RT, GR, etc.)						WORK WILL START*
-	3232' GR		CARLSBAD C	ONTROLLEI	D WATER BASI	IN	10/01/03	
	23.		PROPOSED CA	SING AND CEME	ENTING PROGRAM			
-	SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER F	оот s	ETTING DEPTH		QUANTITY OF C	
TT	VESS 17 1/2"	13 3/8"/H-40	48#	OOT S	400' W	TNES	S 450 sx, circ. t	o surface
ITD -	NESS 17 1/2" 12 1/4" 8 3/4" The operator propos		48# 40# 17#		400' W 3100' 12000'		S 450 sx, circ. t 750 sx, TOC ins 1000 sx, TOC (o surface side 13 3/8" 2 +/- 8000'
TT	The operator proportion of the operator proporti	13 3/8"/H-40 9 5/8"/N80 5 1/2"/P110 ses to drill to a depth se 0'. If non-commercial, to 0 cement Delaware if pr WITNESS \3 ^{3/4}	48# 40# 17# ufficient to test the well will be	the morrow for plugged in ac	400' W 3100' 12000' ormation. If proc	ductive, 5 ederal reg 7/18/ INTI DEL	 \$ 450 sx, circ. t 750 sx, TOC ins 1000 sx, TOC (1/2" casing will Julations. 703 – DISCUSSI 703 – DISCUSSI 627 ERMEDIATE C AWARE WITH 	o surface side 13 3/8" 2 +/- 8000' be set and ED SETTING ASING AT TOP OF JOEL MARTIN @
-	The operator propose cemented to approximately 8000 May set a DV tool to Attachments: 1. Surface use and 2. BOP and choke 3. Lease, road, and 4. Certified location	13 3/8"/H-40 9 5/8"/N80 5 1/2"/P110 ses to drill to a depth su 0'. If non-commercial, to 0 cement Delaware if pr WITNESS \3 ^{3/4} drilling plan schematics topograhical maps plat	48# 40# 17# ufficient to test the well will be rospective. 8" and 95 APPROVA GENERAL AND SPE ATTACH	the morrow for plugged in action of the contract of the contra	400' W 3100' 12000' ormation. If proc cordance with for SOBS CT TO REMENTS PULATION	ductive, 5 ederal reg 7/18/ INTI DEL NAC	 450 sx, circ. t 750 sx, TOC ins 1000 sx, TOC (1/2" casing will gulations. 703 – DISCUSSI 703 – DISCUSSI 623 – DISCUSSI 634 – DISCUSSI 635 – DISCUSSI 644 – DISCUSI 644 – DISCUSI 644 – DISCUSI	o surface side 13 3/8" 2 +/- 8000' be set and ED SETTING ASING AT TOP OI JOEL MARTIN @ AN - L.BABYAK
	The operator proportion of the operator proporti	13 3/8"/H-40 9 5/8"/N80 5 1/2"/P110 ses to drill to a depth su of the commercial, the commercial, the commercial, the commercial, the commercial is a sub- with the commercial of the commercial of the commercial is a sub- drilling plan schematics I topograhical maps	48# 40# 17# ufficient to test the well will be rospective. 8 ^{°°} and 95 APPROVA GENERAL AND SPE ATTACH	the morrow for plugged in ac 25 ⁴ CMT 2 L SUBJE L REQUIE CIAL STI ED	400' W 3100' 12000' ormation. If proc cordance with for SOBS CT TO REMENTS PULATION concerned and proceedings	ductive, 5 rederal reg 7/18/ INTH DEL NAC	S 450 sx, circ. t 750 sx, TOC ins 1000 sx, TOC (1/2" casing will gulations. (03 – DISCUSSI ERMEDIATE C AWARE WITH DEL & GUSSMA	o surface side 13 3/8" 2 +/- 8000' be set and ED SETTING ASING AT TOP OF JOEL MARTIN @ AN - L.BABYAK
	The operator proportion of the operator proporti	13 3/8"/H-40 9 5/8"/N80 5 1/2"/P110 ses to drill to a depth su of the commercial, the commercial, the commercial, the commercial, the commercial of the comm	48# 40# 17# ufficient to test the well will be rospective. 8° and 95 APPROVA GENERAL AND SPEA AND SPEA ATTACH	the morrow for plugged in ac 25 ⁴ CMT 2 L SUBJE L REQUIE CIAL STI ED	400' W 3100' 12000' ormation. If prod cordance with for Cordance	ductive, 5 rederal reg 7/18/ INTH DEL NAC	S 450 sx, circ. t 750 sx, TOC ins 1000 sx, TOC (1/2" casing will gulations. /03 – DISCUSSI ERMEDIATE C AWARE WITH DEL & GUSSMA	o surface side 13 3/8" 2 +/- 8000' be set and ED SETTING ASING AT TOP OI JOEL MARTIN @ AN - L.BABYAK
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	Image: Signed view of the space for Federal content of the space for	13 3/8"/H-40 9 5/8"/N80 5 1/2"/P110 ses to drill to a depth st 0'. If non-commercial, t 0 cement Delaware if pr WITNESS \33'/c drilling plan schematics 1 opograhical maps a plat	48# 40# 17# ufficient to test the well will be rospective. 8° and 95 APPROVA GENERAL AND SPEA ATTACHI	the morrow for plugged in action of the control of the plugged in action of the control of the second true vertices of the control of the control of the plugged in action of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control	400' W 3100' 12000' ormation. If prod cordance with for Cordance	ductive, 5 rederal reg 7/18/ INTH DEL NAD	450 sx, circ. t 750 sx, TOC ins 1000 sx, TOC (1/2" casing will gulations. 403 – DISCUSSI ERMEDIATE C AWARE WITH DEL & GUSSMA productive zone. If pn pr program, if any.	o surface side 13 3/8" 2 +/- 8000' be set and ED SETTING ASING AT TOP OF JOEL MARTIN @ AN - L.BABYAK oposal is to drill or 0/2 0/0 3
	Image: Second system 17 1/2" 12 1/4" 8 12 1/4" 8 8 3/4" 1/2" The operator proportion of the operator properties	13 3/8"/H-40 9 5/8"/N80 5 1/2"/P110 ses to drill to a depth supervision of the set of t	48# 40# 17# ufficient to test the well will be rospective. 8° and 95 APPROVA GENERAL AND SPEA ATTACHI	the morrow for plugged in ac "8" CMT I "8" CMT	400' W 3100' 12000' ormation. If prod cordance with for Cordance	ductive, 5 ederal reg 7/18/ INTH DEL NAD	450 sx, circ. t 750 sx, TOC ins 1000 sx, TOC (1/2" casing will gulations. 403 – DISCUSSE ERMEDIATE C AWARE WITH DEL & GUSSMA productive zone. If pn productive zone. If pn er program, if any.	o surface side 13 3/8" 2 + - 8000' be set and ED SETTING ASING AT TOP OF JOEL MARTIN @ AN - L.BABYAK oposal is to drill or 2 / 2 / 0 3 et operations thereon.
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APPROVAL	FOR	1	YEAR
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SUBMIT IN TRIPLICATE - Other Instructions on reverse aide 1. Type of Weil Other 2. Name of Operator Multiple and Course of the Standard Stand	SUNDR Do not use th	UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT Y NOTICES AND REPORTS ON W his form for proposals to drill or to re all. Use Form 3160-3 (APD) for such p	e-enter an	FORM APPROVED OMB No. 1004-0135 Expires July 31, 1996 5. Lease Serial No. NM - 0354232 6. If Indian, Allottee or Tribe Name
Clouwell Course B. well have and No. 2. Name of Operator. Maddal and Gussamani F2R Musin (LLC) D64(D # 155G15) B. Well man and No. 3. Address Maddal and Gussamani F2R Musin (LLC) D64(D # 155G15) D minio Felceant. # 1 3. Address Man and No. Man and No. D minio Felceant. # 1 3. Address Man and No. Man and No. D minio Felceant. # 1 4. Location of Well (Fourge, Sec. T. R. M. or Surrey Description) Io. Find and Pool, or Exploratory Area B. Well No. 1. Control of Well (Fourge, Sec. T. R. M. or Surrey Description) II. Control of Notice, REPORT, OR OTHER DATA TYPE OF SUBMISSION TYPE OF ACTION 1. Notice of Intent Andrian Program Program Program Water Shau-Off 3. bodgeten Report Chaige Repair New Construction Recomptee Other Res SMANY 3. bodgeten Report Chaige Repair New Construction Recomptee Other Res SMANY 3. bodgeten Report Chaige Repair Program frame during teeroris Recomptee Other Res SMANY 3. bodgeten Report Chaige Repair Program demand and man and and and man and and and man and and and man and and and and and and and and and a	<u></u>	IPLICATE - Other Instructions on	reverse side	7. If Unit or CA/Agreement, Name and/or No.
Middle free Gessmann / FLCC UPROF No Pick 130 P. Art Well No. a. Address A. Address Mark MAD B. Room No. (network area code) 9. Art Well No. a. Address Mark MAD B. Room No. (network area code) 10. Field and Pool. or Exploratory Area b. Coration of Well (Forange, Sic. T. R. M. or Survey Description) Six C 28. T.2.1.S. R.2.7 F.d.My Eddy (N Lor A GOO 'FEL Six C 28. T.2.1.S. R.2.7 NM Eddy (N II. Consumy or Parital, State 12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA TYPE OF SUBMISSION TYPE OF ACTION In Notice of Intent Addres Deepen Production (StartResume) Water Shau-Off Subsequent Report Casing Repair New Construction Recomplete Other Ke SUMVEY Subsequent Report Casing Repair New Construction and rescared and area contained during calinated during data of any propagator approximate during data of any propagator and approximate during data data during data of any propagator and approximate during data of any propagator and approximate during data data during data data during data data during data data during data	Oil Well Gas Well			8. Well Name and No. Dom'NO Feleral #1
4. Location of Well (Footge, Ser, T. K. M. or Survey Description) EAU (1) EAU (2) EAU (2) LOT A GWO (FEL Sec 28 T21S R27 FMM It. Country or Parish, Stare 12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA TYPE OF SUBMISSION TYPE OF ACTION Notice of Intent Addite Deepen Production (Star/Resume) Water Stat-Off Subsequent Report Change Plans Presume Treat Reclamation Well Integrity Subsequent Report Change Plans Play and Abandon Temporarity Abandon Integrity 13. Describe Proposed or Complete Operation (clearly nate all performend tails, including estimated staring date of any proposed work and approximate during the ord all performend tails in the operation of tails in the operation of tails in the operation completion of the instarts at all of the operation completion of tails inducting estimated matters at all of the operation of tails in the operation completion of the instarts at all of the operation completion and the state in early a fill the operation completion of the instarts at all of the operation completion and the instant and the state in early and the data is and the operation of the operation of the instarts at all of the operation completion and the instant and the state in early and the data is induction. 13. Describe Proposed or Completed Operation. Total Abandonment Notice Istate Adamatic and the operatine data isto in the operation. Foot Adama		PERMAN, LLC DEFID #	155615	9. API Well No.
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	3a. Address 601 N. MARLIENFELD	1, Suck SDE TX 915-	No. (include area code) 6824429	
TYPE OF SUBMISSION TYPE OF ACTION In Notice of Intent Axidize Deepen Production (Star/Resume) Water Shut-Off Subsequent Report Casing Repair New Construction Recomplete Other Re SubNey Final Abandonment Noice Casing Phas Plug and Abandon Recomplete Other Re SubNey 13. Describe Proposed or Completed Operation (clearly state all performed detalls, including estimated wating date of depth of all performed and one provide the Bond No. on file with BLMPIA. Required abbreauter at one serial depth of all performed at provide the Bond No. If it is proposed or and approximate duration thereof. If the proposition of the works will be performed or provide the Bond No. If it is with BLMPIA. Requirement, including estimated at the Bond which is do days following completion of the works for final approximate duration thereof. If the operation. The Order opticat. Final Abandonment Noice shall be filed only after all requirements, including estimation, have been completed. That which all depth of all periferent as form all completences. Mouled 150' fo TWU WSIT due to an Articleo Legitar dubecular estimation. The Order opticat. Final Abandonment Noice shall be filed only after all requirements, including estimation, have been completed. fold while dube operator has determined the site is analyticat, and the operator has determined watch the work operation. The Order opticat. That Abandonment Noice shall be filed only after all requirements, including resummers, including resummers	GO'FNL)'/ '	11. County or Parish, State
Image: Subsequent Report Acidize Deepen Production (Star/Resume) Water Shut-Off Subsequent Report Casing Repair New Construction Recomplete Other Re Survey Final Abandonment Notice Casing Repair New Construction Recomplete Other Re Survey 13. Describe Proposed or Completed Operation (clearly state all performed or provide the Bond No. on File with BLMPIA. Keen and approximate duration thereof. If the proposed is to deepen discipling or recomplete involved performance and approximate duration thereof. The Bond No. on File with BLMPIA. Keen interval, Form 3164 state Berling was theread. Starting data were interval, Form 3164 state Berling was theread. Starting data were interval, Form 3164 state Bield within 30 days. The operation of the operation. If the operation results in a multiple completion of the write Start data bandoon recomplete involved performance Notice state all performance Notice state all performance Notice state all performance interval. The writerval, Form 3164 state Bield work will be performed or provide the Bond No. on File with BLMPIA. Keel adaption interval is an antiple completion of the writerval is form 3164 state Bield work will be performed or provide the Bond No. on File with BLMPIA. Keel adaption matching the operation is bandoon and the writerval is form 3164 state Bield work and approximate duration thereof. The Operation Clear privation Notice state all performant works and approximate duration thereof. File with Black Clear performance and approximate duration thereof. The Operation Clear privation Notice state all performant works and aperformante duration thereof. File with	12. CHECK AF	PROPRIATE BOX(ES) TO INDICATE	E NATURE OF NOTICE, R	EPORT, OR OTHER DATA
Notice of Interit Atter Casing Practure Treat Reclamation Well Integrity Subsequent Report Casing Repair New Construction Recomplete Other Re Survey Final Abandonment Notice Charge Plans Plug and Abandon Temporarily Abandon Other Re Survey 13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approval and others and ones. Interport of UleST 13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approval and others and ones. Interport of UleST 14. In proposal is to deepen directionally, presentation. If when Plug Back Water Disposal 15. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approval and one interval is formation thereof. If the proposal is to deepen directionally, presented work and approval and one interval is formation thereof. 13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approval and ones indicated starting date of any proposed work and approval and ones indicated starting date of any proposed work and approval indicated starting date of any proposed work and approval indicated starting date of any proposed work and approval indicated starting date of any proposed work and approval inditon thereof indicated starting date of any pr	TYPE OF SUBMISSION		TYPE OF ACTION	
Or a colspan="2" In the foregoing is true and correct Name (Printed/Typed) Title Dr. CLING Supervised Gar Don BAAKen Date 7/24/03 THIS SPACE FOR FEDERAL OR STATE OFFICE USE Approved by /s/ Joe G. Lara Title FIELD MANAGE Date 3 0 JUL 2003 Conditions of approval, if any, are attached. Approval of this notice 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. Office CARLSBAD FIELD OFFICE	 Subsequent Report Subsequent Report Final Abandonment Notice 13. Describe Proposed or Complete If the proposal is to deepen dire Attach the Bond under which the following completion of the invitesting has been completed. Find determined that the site is ready The CAGGLONAL 	Alter Casing Fracture 1 Casing Repair New Const Change Plans Plug and A Convert to Injection Plug Back d Operation (clearly state all pertinent details, ind ctionally or recomplete horizontally, give subsurf he work will be performed or provide the Bond I olved operations. If the operation results in a mu nal Abandonment Notices shall be filed only aft for final inspection.)	Ireat Reclamation struction Recomplete Abandon Temporarily Abits Abandon Temporarily Abits Abandon Temporarily Abits Cluding estimated starting date of an face locations and measured and true No. on file with BLMBIA. Requipablic completion or recompletion er all requirements, including reclamation + 11 50' FEL	andon Well Integrity Other <u>Re Survey</u> $\frac{Mvve}{Mvve}$ $\frac{Mvve}{Mvve}$ $\frac{Mvve}{Mvve}$ $\frac{Mvve}{Mvve}$ $\frac{Mvve}{Mve}$ $\frac{Mvve}{Mve}$ $\frac{Mvve}{Mve}$ $\frac{Mvve}{Mve}$ $\frac{Mvve}{Mve}$ $\frac{Mvve}{Mve}$ $\frac{Mvve}{Mve}$ $\frac{Mvve}{Mve}$ $\frac{Mvve}{Mve}$ $\frac{Mvve}{Mve}$ $\frac{Mvve}{Mve}$ $\frac{Mvve}{Mve}$ $\frac{Mvve}{Mve}$ $\frac{Mvve}{Mve}$ $\frac{Mvve}{Mve}$ $\frac{Mvve}{Mve}$ $\frac{Mvve}{Mve}$ $\frac{Mve}{Mve}$
Name (Printed/Typed) Title Government Date Name (Printed/Typed) Date Signature Date Out Date 1/24/03 THIS SPACE FOR FEDERAL OR STATE OFFICE USE Approved by /s/ Joe G. Lara Title Title Title THIS SPACE FOR FEDERAL OR STATE OFFICE USE Approved by /s/ Joe G. Lara Title Title FIELD MANAGE Pate 3 0 JUL 2003 Office Cartify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.				D OF
Signature Date 7/24/03 THIS SPACE FOR FEDERAL OR STATE OFFICE USE Approved by /s/ Joe G. Lara Title Title TIELD MANAGER 3 0 JUL 2003 Conditions of approval, if any, are attached. Approval of this notice 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.	Name (Printed/Typed)		Title De Maine De	CE TT D
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/s/ Joe G. Lara FIELD MANAGER 5 0 301 2005 Conditions of approval, if any, are attached. Approval of this notice 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. Office CARLSBAD FIELD OFFICE		THIS SPACE FOR FEDER	AL OR STATE OFFICE USE	
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.	Approved by	/s/ Joe G. Lara	Tide FIELD MAN	NAGER ^{Pate} 3 0 JUL 2003
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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



LOCATION VERIFICATION MAP



- <u>Dwellings</u> There are no houses within 2000 feet of the location.
- Archeological Summary:

Drilling location is covered under BLM Report No. 90-NM-067388. Road is covered under attached Class III archeological survey. The report was negative, and the cultural resource use permit holder recommends clearance for this operation.

10. Operator's Representative -

Gordon BarkerMobile Pho	ne (432) 238-1269
Joel Martin Office Phor	ne (432) 682-4429
Home Phor	ne (432) 694-2569
Ernie LittleHome Phor	ne (505) 392-4907
Mobile Pho	one (505) 390-9472

- 12. Other facets: none
- 13. <u>Certification</u> I hereby certify that I, or persons under my direct supervision, have inspected the proposed drilling site and access route; that I am familiar with the condition which presently exists; that the statements made in this plan are, to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein will be performed by B&H Construction Company or their contractors and sub-contractors in conformity with this plan

Joel Martin Engineering Manager

13 Point Drilling Plan:

- 1. Location: 660' FNL, 1150' FEL, Sec. 28, T-21-S, R-27-E, Eddy County, New Mexico (Form C-102)
- 2. Elevation: 3232' GL
- 3. Geological Name of Surface Formation: Quaternary Rock
- 4. <u>Type of Drilling Tools to be utilized</u>; Rotary Tools
- 5. Proposed Drilling Depth: 12,000'

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8.

6. Tops of Important Geological Markers:

Delaware	2,400'	Pennsylvanian	9,950'	Morrow	10,900'
Bone Springs	5,150'	Strawn	10,450'	Morrow clastics	11,150'
3 rd Bone Springs	8,300'	Atoka	10,600'	Lower Morrow	11,400'

7. Estimated Depth of Anticipated Water, Oil or Gas:

<u>Casing P</u>	rogram:	Oil and water Gas Gas	- Delaware - Strawn - Morrow	2,400' 10,450' 11,150'	
•	13 3/ 8"	48#	H-40	@ 400'	450 sx, circulated to surface
•	9 5/ 8 "	40#	N80	<u>@</u> 3100'	750 sx, TOC inside surface csg
•	5 1/2"	17#	P110	@ 12,000'	1000 sx, TOC @~8000'
_				-	-

The surface and intermediate casing strings will be cemented to the surface. The TOC on the intermediate string will be inside the 13 3/8" casing. The TOC behind the production casing will be determined after running open hole logs.

9. Specifications for Pressure Control Equipment: (see figures No. 6, No. 7 & No. 8)

This rig will have a series 900 BOP with 5 $\frac{1}{2}$ " pipe rams and blind rams, kill line, choke manifold, Koomey hydraulic controls, and accumulator with remote controls. When nippling up, will test BOP and choke to 1000 psi, will operate BOP once a day or as directed by the company representative.

10. Mud Program:

Spud and drill with fresh water to a depth of approx. 400'. Drill out from under surface casing with fresh water. Control lost circulation with paper and LCM pills. Drill out from under the intermediate casing and drill to 8700' with fresh water while maintaining a Ph of 10. Drill from 8,700' to TD with cut brine at approximately 9.2 PPG. Use starch and XCD polymer for filtrate control and mix pre-hydrated freshwater gel slurry to clean and condition hole prior to running electric logs.

11. Testing, Logging & Coring Program:

- a. Testing:: No DST's are expected.
- b. Coring: no coring is planned.
- c. Logging: open hole logs will be run prior to running production casing. The standard suite will be a Dual Lateral/ ML and GR/Density/Neutron combination.
- d. Depending on the sand quality, a FMI and/or formation tester may be run.
- e. Open hole logs will not be run through the intermediate hole section; GR neutron to surface.

12. Potential Hazards:

None significant. Lost circulation may occur, but H₂S should not be present.

13. Anticipated starting date & duration:

Plans are to begin drilling operations about October 1, 2003; approximately 40 days will be required to drill the well and 8 days will be needed for the completion.

Nadel and Gussman Permian Domino Federal #1 MINIMUM BLOWOUT PREVENTER REQUIREMENTS

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Exhibit #1

NADEL AND GUSSMAN PERMIAN, LLC

DOMINO FEDERAL NO. 1

660' FNL & 1150' FEL SEC. 28-21S-27E

EDDY COUNTY. N.M.



Location map of an access road for the Domino Federal well No. 1 for Nadel & Gussin -Permian LLC in Section 28, T 21S, R 27E, NMPM, Eddy County, New Mexico. Map Reference: USGS 7.5' Series; CARLSBAD EAST, NM (Prov. Ed. 1985) 321041



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Location map of an access road for the Domino Federal well No. 1 for Nadel & Gussman Permian LLC in Section 28, T 21S, R 27E, NMPM, Eddy County, New Mexico. Map Reference: USGS 7.5 Series; CARLSBAD EAST, NM (Prov. Ed. 1985) 32104 D2



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660' FNL & 1150' FEL Sec. 28-21S-27E

Eddy Co., NM

10-18-01

Patterson-UTI Drilling Company

Rig #3

DRAWWORKS

Brewster N-46, 800 HP Brake: Single Parmac Hydromatic 22" Automatic Driller

ENGINES

Two Caterpillar 3408 Engines

DERRICK

Al Hicks, 137', 450,000# rated capacity

SUBSTRUCTURE

Lee c. Moore, 15 ½' floor, KB - 17', 460,000#, 13' vertical clearance

MUD PUMPS

Pump #1: Emsco DB550 /379 Pump #2: Emsco DB550 w/Cat379

DRILL STRING

Drill Pipe 4-1/2" 16.60-16.60x-95&20#E (24) 6 1⁄2" Drill Collars (6) 8" Drill Collars

13,500'

ON DOMINO Federal #1

- 6ndm Bonken

915-2381269

BLOWOUT PREVENTERS

12" 3000# Ram/Ram/Annular Shaffer LS

MUD SYSTEM

Two Steel Pits w/900 bbls volume, two pit stirrers, six guns, high speed vibrating shaker & transfer pump

MUD HOUSE

None ·

COMMUNICATIONS

24 hour direct cellular telephone

OTHER EQUIPMENT

Blocks. Brewster 250 Ton Hook. Brewster 250 Ton Swivel. Emsco LB 300 Rotary Table. Brewster 18" – 250 Ton Shale Shaker. Single Double Rumba Electrical Power. Two 320 kw generators, vapor proof lights. Fresh Water Storage. 1000 bbls Housing.

"Hole Requirements will dictate actual Reserve Pit size (TOOLPUSHER SHOULD BE CONSULTED)"



Rig 3