

Submit to Appropriate
District Office
State Lease - 6 copies
Fee Lease - 5 copies
DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

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

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION
2040 Pacheco St.
Santa Fe, NM 87505

Form C-105
Revised 1-1-89

WELL API NO. 30-015-32549
5. Indicate Type of Lease STATE ☒ FEE ☐
6. State Oil & Gas Lease No. K-4540

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well: OIL WELL ☐ GAS WELL ☒ DRY ☐ OTHER _____		7. Lease Name or Unit Agreement Name White Baby Com	
b. Type of Completion: NEW WELL ☒ WORK OVER ☐ DEEPEN ☐ PLUG BACK ☐ DEEP RESVR ☐ OTHER _____		8. Well No. 4	
2. Name of Operator Gruy Petroleum Management Company		9. Pool name or Wildcat White City; Penn, (Gas)	
3. Address of Operator P.O. Box 140907, Irving, TX 75014-0907			
4. Well Location Unit Letter <u>D</u> : <u>990'</u> Feet From The <u>North</u> Line and <u>990'</u> Feet From The <u>West</u> Line Section <u>16</u> Township <u>24S</u> Range <u>26E</u> <u>NMPM</u> <u>Eddy</u> County			
10. Date Spudded 1-22-03	11. Date T.D. Reached 2-24-03	12. Date Compl. (Ready to Prod.) 4-21-03	13. Elevations (DF & RKB, RT, GR, etc.) 3439' GR
15. Total Depth 11823'	16. Plug Back T.D. 11762'	17. If Multiple Compl. How Many Zones?	18. Intervals Drilled By Rotary Tools All
19. Producing Interval(s), of this completion - Top, Bottom, Name 11314' - 11624' Morrow			20. Was Directional Survey Made Yes
21. Type Electric and Other Logs Run Dual LL, Dual Sp GR, CBL,			22. Was Well Cored No

23. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT LB/FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
13 3/8"	48 # H-40	445'	17 1/2"	490 sx Prem circ 99 sx to pit	
9 5/8"	40 # J-55	3309'	12 1/4"	910 sx Prem circ 24 sx to pit	
5 1/2"	17 #	11710"	8 3/4"	1665 sx Interfil TOC 2709'	

24. LINER RECORD					25. TUBING RECORD		
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET
					2 7/8"	11165'	11165'

26. Perforation record (interval, size, and number) 11616'-11582' 6 SPF 96 Holes 11314'-11426' 3 JSPF 45 Holes	27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.	
	DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
	11616'-11582'	40000 gal fmd CO2 20400# veraprop
	11314'-11426'	116000 gal Fmd CO2 79000# veraprop

28. PRODUCTION

Date First Production 4-19-03		Production Method (Flowing, gas lift, pumping - Size and type pump) Flowing				Well Status (Prod. or Shut-in) Producing	
Date of Test 5-02-03	Hours Tested 24	Choke Size 48	Prod'n For Test Period	Oil - Bbl. 0	Gas - MCF 3236	Water - Bbl. 0	Gas - Oil Ratio NA
Flow Tubing Press. 480	Casing Pressure -0-	Calculated 24-Hour Rate	Oil - Bbl. 0	Gas - MCF 3236	Water - Bbl. 0	Oil Gravity - API - (Corr.)	

29. Disposition of Gas (Sold, used for fuel, vented, etc.) Sold	Test Witnessed By
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30. List Attachments
Inclination survey, C-122, and electric log

31. I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief

Signature Zeno Farris Printed Name Zeno Farris Title Mgr. Ops Admin Date 5-21-03

INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Division not later than 20 days after the completion of any newly-drilled or deepened well. It shall be accompanied by one copy of all electrical and radio-activity logs run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, Items 25 through 29 shall be reported for each zone. The form is to be filed in triplicate except on state land, where six copies are required. See Rule 1105.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

Southeastern New Mexico

T. Anhy _____	T. Canyon <u>9810</u>
T. Salt _____	T. Strawn <u>10010</u>
B. Salt _____	T. Atoka <u>10585</u>
T. Yates _____	T. Miss _____
T. 7 Rivers _____	T. Devonian _____
T. Queen _____	T. Silurian _____
T. Grayburg _____	T. Montoya _____
T. San Andres _____	T. Simpson _____
T. Glorieta _____	T. McKee _____
T. Paddock _____	T. Ellenburger _____
T. Blinebry _____	T. Gr. Wash _____
T. Tubb _____	T. Delaware Sand _____
T. Drinkard _____	T. Bone Springs _____
T. Abo _____	T. _____
T. Wolfcamp _____	T. Morrow <u>10860</u>
T. Penn _____	T. _____
T. Cisco (Bough C) _____	T. _____

Northwestern New Mexico

T. Ojo Alamo _____	T. Penn. "B" _____
T. Kirtland-Fruitland _____	T. Penn. "C" _____
T. Pictured Cliffs _____	T. Penn. "D" _____
T. Cliff House _____	T. Leadville _____
T. Menefee _____	T. Madison _____
T. Point Lookout _____	T. Elbert _____
T. Mancos _____	T. McCracken _____
T. Gallup _____	T. Ignacio Otzte _____
Base Greenhorn _____	T. Granite _____
T. Dakota _____	T. _____
T. Morrison _____	T. _____
T. Todilto _____	T. _____
T. Entrada _____	T. _____
T. Wingate _____	T. _____
T. Chinle _____	T. _____
T. Permian _____	T. _____
T. Penn "A" _____	T. _____

OIL OR GAS SANDS OR ZONES

No. 1, from.....to.....

No. 2, from.....to.....

No. 3, from.....to.....

No. 4, from.....to.....

IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.
No. 1 from

No. 1, from.....to.....feet.....
 No. 2, from.....to.....feet.....
 No. 3, from.....to.....feet.....

LITHOLOGY RECORD (Attach additional sheet if necessary)

From	To	Thickness in Feet	Lithology

From	To	Thickness in Feet	Lithology

DISTRICT I
P.O. Box 1980, Hobbs, NM 88241-1980

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

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

DISTRICT IV
P.O. BOX 2088, SANTA FE, N.M. 87504-2088

State of New Mexico

Energy, Minerals and Natural Resources Department

Form C-102

Revised February 10, 1994

Submit to Appropriate District Office

State Lease - 4 Copies

Fee Lease - 3 Copies

OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number	Pool Code 87280	Pool Name White City; Penn. (Gas)
Property Code	Property Name WHITE BABY COM	Well Number 4
OGRID No. 162683	Operator Name GRUY PETROLEUM MANAGEMENT CO.	Elevation 3439'

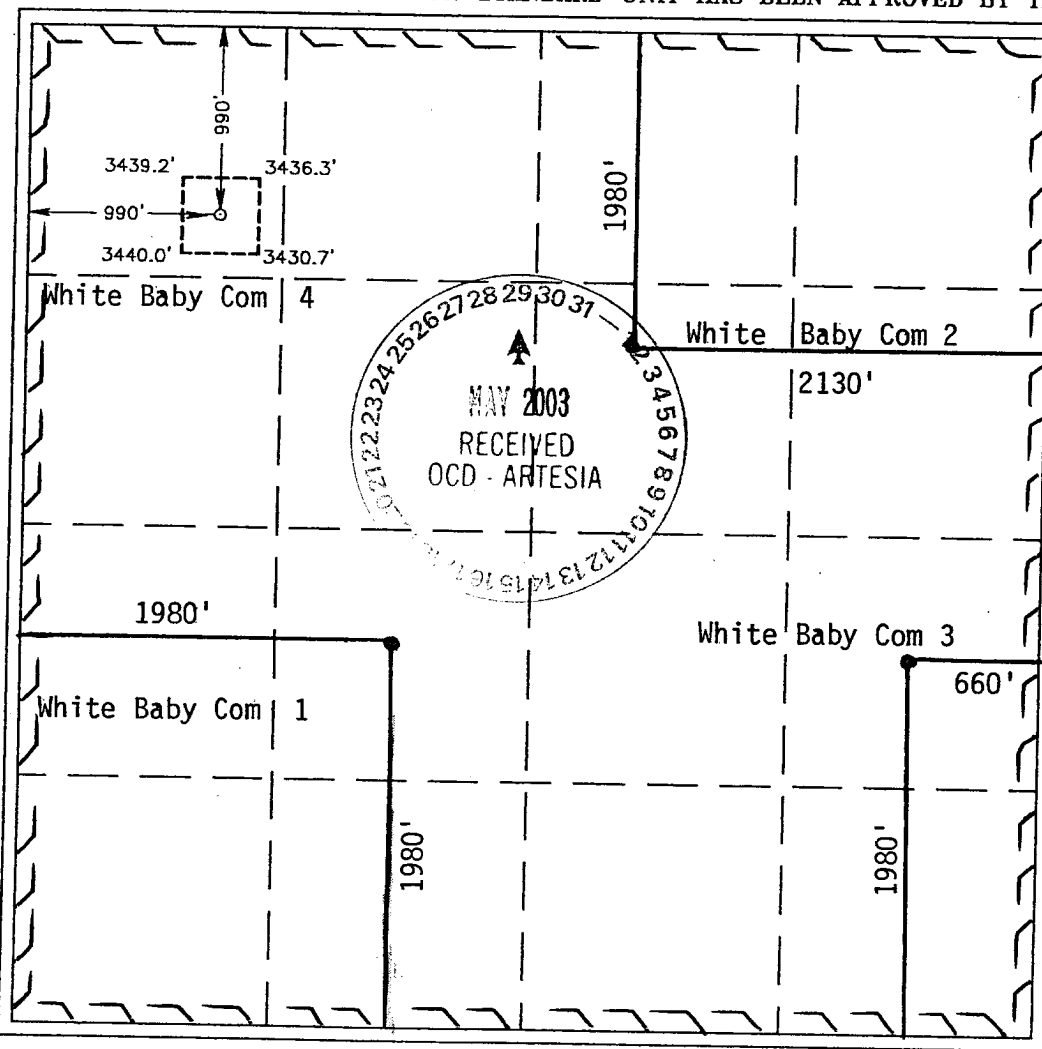
Surface Location

UL or lot No. D	Section 16	Township 24-S	Range 26-E	Lot Idn	Feet from the 990'	North/South line NORTH	Feet from the 990'	East/West line WEST	County EDDY
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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 640	Joint or Infill Y	Consolidation Code C	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

	OPERATOR CERTIFICATION I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief. <i>Zeno Farris</i> Signature Zeno Farris Printed Name Manager, Operations Admin. Title December 9, 2002 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. OCTOBER 31, 2002 Date Surveyed Signature & Seal of Professional Surveyor <i>Ronald J. Eidson</i> 02-11-0818 Certificate No. RONALD J. EIDSON 3239 GARY EIDSON 12641
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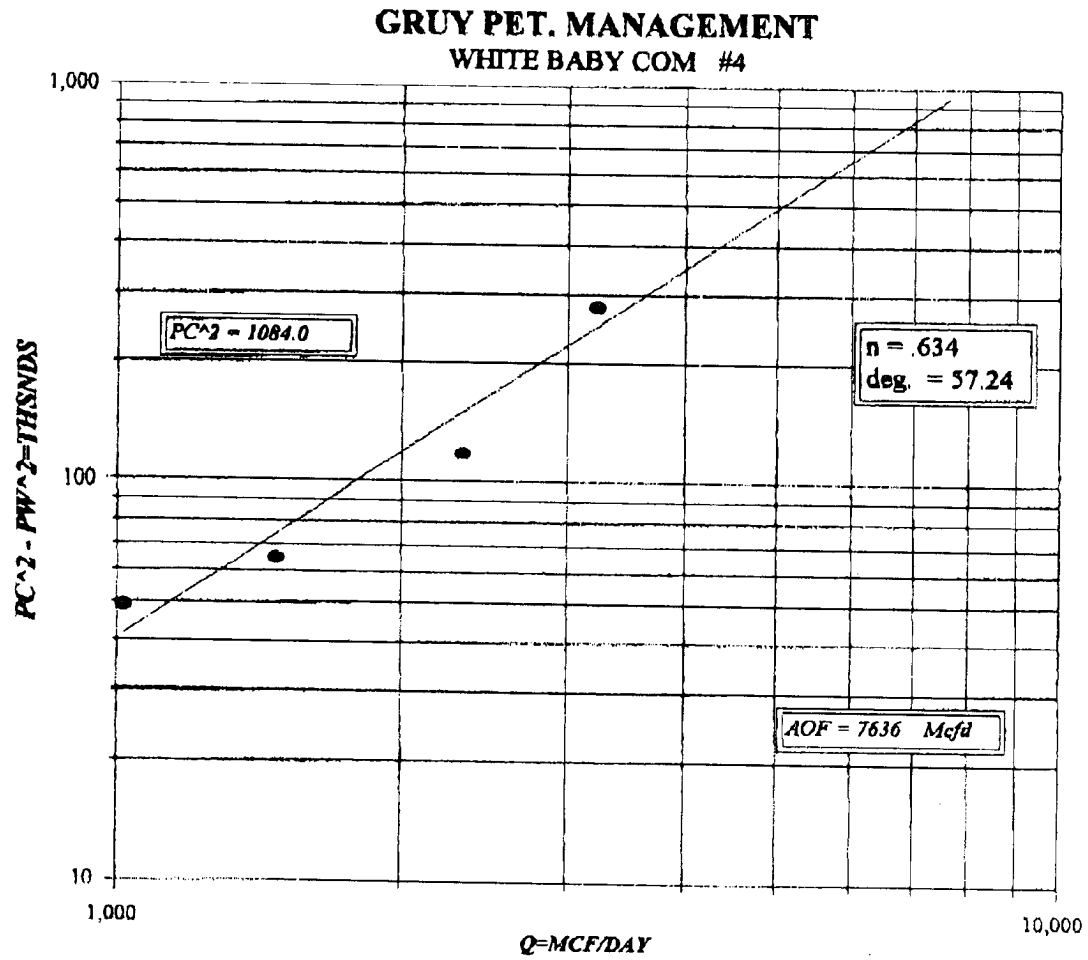
Submit in duplicate to
appropriate district office.
See Rule 401 & Rule 1122

State of New Mexico
Energy Minerals and Natural Resources
Oil Conservation Division
2040 South Pacheco
Santa Fe, NM 87505

Form C-122
Revised October, 1999

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Operator GRUB PET.				Lease or Unit Name WHITE BABY COM			
Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 5/2/03		Well No. 4	
Completion Date		Total Depth 11823		Plug Back TD 11762		Elevation	
Csg. Size 5 1/2		Wt. 17		Set At 11823		Perforations: From: 11314 To: 11624	
Tbg. Size 2 7/8		Wt. 6.5		Set At 11165		Perforations: From: To:	
Type Well-Single-Bradenhead O.O. or O.O. Multiple SINGLE				Packer Set At 11165		Formation MORROW	
Producing Thru Tubing		Reservoir Temp. °F 185		Mean Annual Temp. °F 60		Harm. Press. P _a 13.2	
L 11165		H 11165		Dg 0.576		Taps FLG	
H 11165		Dg 0.576		%CO ₂ 1.476		%N ₂ 0.233	
%H ₂ S N/A		Prover N/A		Meter Run 4.026		Taps FLG	
FLOW DATA				TUBING DATA			
CASING DATA				Duration of Flow			
No.	Prover Line Size	Orifice Size	Press. p.s.i.g.	Diff. h _w	Temp. °F	Press. p.s.i.g.	Temp. °F
SI							
1	4.026 X 2.250	199	4.1	102	997		
2	4.026 X 2.250	213	7.9	78	981		
3	4.026 X 2.250	230	18.9	74	930		
4	4.026 X 2.250	245	32	61	796		
5							
RATE OF FLOW CALCULATIONS							
No.	COEFFICIENT (24 Hour)		h _w P _m	Pressure P _m	Flow Temp. Factor Ft.	Gravity Factor F _g	Super Compress Factor F _{pv}
1							
2							
3	TOTAL		FLOW	METER			
4							
5							
No.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio		
1					N/A		
2					A.P. I. Gravity of Liquid Hydrocarbons		
3	TOTAL	FLOW	METER		N/A		
4					Specific Gravity Separator Gas		
5					0.576		
					Specific Gravity Flowing Fluid		
					N/A		
					Critical Pressure		
					677		
					P.S.I.A.		
					341		
					R.		
					R		
P _o	1041.2	P ₂	1084				
No.	P _r ²	P _w	P _w ²	P _c ² - P _w ²	(1) P _o ² = 3.873 (2) $\left[\frac{P_o^2}{P_o^2 - P_w^2} \right]^n = 2.36$		
1		1017.4	1035.1	48.9			
2		1009.5	1019.1	64.9			
3		983	966.2	117.8			
4		896.7	804.1	279.9			
5							
Absolute Open Flow				7.636	Mcf @ 15.025	Angle of Slope (°)	57.24
Slope n:				0.643			
Remarks: * NO LIQUID MADE DURING TEST.							
Approved By Division:		Conducted By:		Calculated By:		Checked By:	
		PRO WELL TESTING		MERV BUECKER		MB	



MAY-05-2003 10:09 AM

P. 02

C122 FORM IMPORTED FROM SYMPHONY ON 5-8-01

COMPANY : GRUY PET. MANAGEMENT CO.		LEASE : WHITE SAGE COM		WELL NO. : 248		DATE : 5/2/03		PC = 1043.2		PC2 = 1084.0	
LIMIT : 11165		SECTION : 16		TOWNSHIP : 24S		DATE : 5/2/03		PC2 = 1020.5		PC2 = 1017.4	
ROOF : 1476		L/H : 1		DATE : 5/2/03		DATE : 5/2/03		PC2 = 989.4		PC2 = 1009.8	
R : 2441		H : 0.228		DATE : 5/2/03		DATE : 5/2/03		PC2 = 889.6		PC2 = 983.0	
		FR : 0.010763		DATE : 5/2/03		DATE : 5/2/03		PC2 = 854.8		PC2 = 886.7	
VOL 1 : 1019		PBA 1 : 1012.2		RESV. TEMP : 185.0				PC2 PW2 = 48.9		PC2 = 1030.1	
VOL 2 : 1478		PBA 2 : 884.2		SHUT-IN PRES = 1043.2				84.9		1019.1	
VOL 3 : 2830		PBA 3 : 943.2						117.9		986.2	
VOL 4 : 3236		PBA 4 : 809.2						279.9		804.1	
		PCR : 677						n = 0.634			
		TCR : 341						PC2/(PC2-PW2) =		22.169	
LINE		RATE 1		RATE 2		RATE 3		RATE 4			
		1ST		2ND		1ST		2ND			
1 QM		1019		1478		2830		3236			
2 TW		534		534		534		534			
3 TR		645.0		645.0		645.0		645.0			
4 T		389.5		389.5		389.5		389.5			
PR (net)		1.42		1.47		1.36		1.20			
5 Z (net)		0.894		0.897		0.900		0.909			
6 TZ		927.9		928.5		928.1		928.0			
7 QM/TZ		13.329		13.509		13.499		13.534			
8 QM		1.790		1.780		1.802		1.799			
9 P-5		0.441		0.441		0.445		0.444			
10 P1		1010.2		1010.2		994.2		943.2			
11 P12 / 1000		1020.5		984.4		889.6		809.2			
12 FR		0.010763		0.010763		0.010763		0.010763			
13 PC-FR2		5.882		5.889		5.620		5.626			
14 PC-QM		5.79		5.72		5.81		5.749			
15 L/H (FC-QM)		33.8		32.7		30.0		13.13			
16 PW		14.795918		14.576013		13.174514		12.548924			
17 PW2		1035.3		1019.6		1019.1		987.5			
18 PW2		1853.2		1828.9		1828.1		1737.8			
19 PW		1361.3		1360.9		1355.0		1314.1			
20 P		1185.0		1178.4		1174.6		1130.7			
21 PR		1.78		1.75		1.74		1.67			
22 TR		1.73		1.73		1.73		1.73			
23 Z		0.888		0.888		0.886		0.886			
										FORM C122-D	

MAY-05-2003 10:10 AM

Laboratory Services

P. 03

**Laboratory Services, Inc.**4018 Fleeta Drive
Hobbs, New Mexico 88240

Telephone: (505) 397-3713

FOR:Pro Well Testing & Wireline
P. O. Box 791
Hobbs, New Mexico 88241**SAMPLE:**IDENTIFICATION: White Baby Com. #4
COMPANY: Gruy Petroleum
LEASE:
PLANT:SAMPLE DATA: DATE SAMPLED: 5/2/03 11:00 am
ANALYSIS DATE: 5/2/03
PRESSURE - PSIG 210
SAMPLE TEMP. °F 78
ATMOS. TEMP. °FGAS (OO) LIQUID ()
SAMPLED BY: Merv Busoker
ANALYSIS BY: Vickie Biggs**REMARKS:****COMPONENT ANALYSIS**

COMPONENT	MOL PERCENT	GPM
Hydrogen Sulfide (H2S)		
Nitrogen (N2)	0.233	
Carbon Dioxide (CO2)	1.476	
Methane (C1)	97.028	
Ethane (C2)	1.153	0.308
Propane (C3)	0.109	0.030
i-Butane (iC4)	0.000	0.000
n-Butane (nC4)	0.000	0.000
i-Pentane (iC5)	0.000	0.000
n-Pentane (nC5)	0.000	0.000
Hexane Plus (C6+)	0.000	0.000
	100.000	0.386

BTU/CU.FT. - DRY 1008
AT 14.850 DRY 1000
AT 14.850 WET 989
AT 14.73 DRY 1008
AT 14.73 WET 988

MOLECULAR WT. 16.8781

SPECIFIC GRAVITY -
CALCULATED 0.676
MEASURED

OPERATOR: GRUY PETROLEUM
WELL/LEASE: WHITE BABY COM. 4
COUNTY: EDDY

075-0017

STATE OF NEW MEXICO
DEVIATION REPORT

222	3/4	7,712	1 1/4
445	1 1/2	8,312	1 1/4
797	2	8,755	2
1,081	3/4	9,099	1 1/2
1,207	1 1/4	9,573	1 1/2
1,302	2 1/2	10,073	1 3/4
1,397	3 1/2	10,553	2 1/4
1,461	4	10,687	1
1,556	4 1/2	11,129	2
1,619	4	11,619	2 1/2
1,650	4	11,823	2
1,683	3 1/2		
1,745	2 3/4		
1,777	2 3/4		
1,808	2 1/2		
1,840	2 1/4		
1,903	1 1/2		
2,031	1		
2,316	1		
2,726	1/4		
3,209	1/4		
3,490	1/2		
3,965	1/4		
4,442	1/4		
4,942	1/2		
5,426	1		
5,903	1 1/4		
6,142	1/2		
6,761	1 1/4		
7,233	1 1/2		



By: Steve Moore

STATE OF TEXAS

COUNTY OF MIDLAND

The foregoing instrument was acknowledged before me on this 28th day of February, 2003, by Steve Moore on behalf of Patterson-UTI Drilling Company LP, LLLP.

My Commission Expires: 4/08/2007

Joni D. Hodges
Notary Public for Midland County, Texas

