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ABOVE THIS LINE FOR DIVISION USE ONLY

NEW MEXICO OIL CONSERVATION DIVISION

2163

- Engineering Bureau -

ADMINISTRATIVE APPLICATION COVERSHEET THIS COVERSHEET IS MANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AND REGULATIONS Application Acronyms: [NSP-Non-Standard Proration Unit] [NSL-Non-Standard Location]	20000000	
Application Acronyms: [NSP-Non-Standard Proration Unit] [NSL-Non-Standard Location] [DD-Directional Drilling] [SD-Simultaneous Dedication] [DHC-Downhole Commingling] [CTB-Lease Commingling] [PLC-Pool/Lease Commingling] [PC-Pool Commingling] [OLS - Off-Lease Storage] [OLM-Off-Lease Measurement] [WFX-Waterflood Expansion] [PMX-Pressure Maintenance Expansion] [SWD-Salt Water Disposal] [IPI-Injection Pressure Increase] [EOR-Qualified Enhanced Oil Recovery Certification] [PPR-Positive Production Response] [1] TYPE OF APPLICATION - Check Those Which Apply for [A] [A] Location - Spacing Unit - Directional Drilling	ISTRATIVE APPLICATION COVERSHEET	,
[NSP-Non-Standard Proration Unit] [NSL-Non-Standard Location] [DD-Directional Drilling] [SD-Simultaneous Dedication] [DHC-Downhole Commingling] [CTB-Lease Commingling] [PLC-Pool/Lease Commingling] [PC-Pool Commingling] [OLS - Off-Lease Storage] [OLM-Off-Lease Measurement] [WFX-Waterflood Expansion] [PMX-Pressure Maintenance Expansion] [SWD-Salt Water Disposal] [IPI-Injection Pressure Increase] [EOR-Qualified Enhanced Oil Recovery Certification] [PPR-Positive Production Response] [TYPE OF APPLICATION - Check Those Which Apply for [A] [A] Location - Spacing Unit - Directional Drilling	TORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AND REGULATIONS	THIS COVERSHE
[A] Location - Spacing Unit - Directional Drilling DEC 1 1 1998	OD-Directional Drilling] [SD-Simultaneous Dedication] ommingling] [CTB-Lease Commingling] [PLC-Pool/Lease Commingling] mingling] [OLS - Off-Lease Storage] [OLM-Off-Lease Measurement] /aterflood Expansion] [PMX-Pressure Maintenance Expansion] /D-Salt Water Disposal] [IPI-Injection Pressure Increase]	[DHC-Dov [PC-P
Check One Only for [B] and [C]	n - Spacing Unit - Directional Drilling NSP DD SD	[A]
[B] Commingling - Storage - Measurement ☑ DHC ☐ CTB ☐ PLC ☐ PC ☐ OLS ☐ OLM [C] Injection - Disposal - Pressure Increase - Enhanced Oil Recovery ☐ WFX ☐ PMX ☐ SWD ☐ IPI ☐ EOR ☐ PPR	ngling - Storage - Measurement CTB PLC PC OLS OLM n - Disposal - Pressure Increase - Enhanced Oil Recovery	[B]
[2] NOTIFICATION REQUIRED TO: - Check Those Which Apply, or □ Does Not Apply [A] □ Working, Royalty or Overriding Royalty Interest Owners [B] ☒ Offset Operators, Leaseholders or Surface Owner [C] □ Application is One Which Requires Published Legal Notice [D] □ Notification and/or Concurrent Approval by BLM or SLO U.S. Bureau of Land Management - Commissioner of Public Lands, State Land Office [E] □ For all of the above, Proof of Notification or Publication is Attached, and/or,	king, Royalty or Overriding Royalty Interest Owners et Operators, Leaseholders or Surface Owner lication is One Which Requires Published Legal Notice fication and/or Concurrent Approval by BLM or SLO Bureau of Land Management - Commissioner of Public Lands, State Land Office	[A] [B] [C] [D]

[3] INFORMATION / DATA SUBMITTED IS COMPLETE - Statement of Understanding

I hereby certify that I, or personnel under my supervision, have read and complied with all applicable Rules and Regulations of the Oil Conservation Division. Further, I assert that the attached application for administrative approval is accurate and complete to the best of my knowledge and where applicable, verify that all interest (WI, RI, ORRI) is common. I understand that any omission of data, information or notification is cause to have the application package returned with no action taken.

Note: Statement must be completed by an individual with supervisory capacity.

Kay Maddox

Print or Type Name

[F]

Signature

☐ Waivers are Attached

Regulatory Agent

12/8/98

Title

State of New Mexico Energy, Minerals and Natural Rasources Department

Form C-107-A New 3-12-96

BITRICT II

811 SouthI First St. Artesia NM 88210 2835

1000 Rio Brazos Rd. Aztec, NM 87410 1693

DISTRICT III

OIL CONSERVATION DIVISION

2040 S. Pacheco
Santa Fe, New Mexico 87505-6429

APPROVAL PROCESS:

☑Administrative ☐ Hearing

APPLICATION FOR DOWNHOLE COMMINGLING

⊈ Administrat	ive 🗌	Hea	ring
EXISTING			—
\boxtimes	YES		NO

Conoco Inc.	10	Desta Dr. Ste 100W, Midlan	d, Tx. 79705-4500
Varren Unit	#146	Section 26, T-20-S, R-38-E,	P Lea County
GRID NO. 005073 Property Cod	002122	Spacing	g Unit Lease Types: (check 1 or more) X , State (and/or) Fee
The following facts ate submitted in support of downhole commingilng:	Upper Zone	intermediate Zone	Lower Zone
1. Pool Name and Pool Code	Warren;Blinebry-Tubb Oil & Gas (62965)		Warren Drinkard East (63120)
2. TOP and Bottom of Pay Section (Perforations)	6010-6692'		6778-6967'
3. Type of production (Oil or Gas)	Expected Oil		Oil
4. Method of Production {Flowing or Artificial Lilt}	Artificial Lift		Artificial Lift
5. Bottomhole Pressure Oil Zones - Artilicial Lift: Estimated Current Gas & Oil - Flowing: Measured Current All Gas Zones: Estimated Or Measured Original	a (Current) 1400 b(Original) 2527	a. b.	a. 1100 b. 2603
6. Oil Gravity (°API) or Gas BT Content	35.7		38
7. Producing or Shut-In?	To be Completed		Producing
Production Marginal? (yes or no)	Expected Yes		Yes
If Shut-In give date and oil/gas/ water rates of lsst production Note For new zones with no production history applicant shad be required to attach production estimates and supporting dara	Date Rates	Date Raton:	Date Rates
If Producing, date and oil/gas/ water rates of recent test (within 60 days)	Allocation method by subtraction - See attached Chart	Dale Rates	Date 10/26/98 3 BOPD, 0 BWPD, 95 MCFD
8. Fixed Percentage Allocation Formula -% or each zone	oil: Gas %	oil: Gas %	Oil: Gas %
10. Are all working, overriding, an If not, have all working, overr Have all offset operators been 11. Will cross-flow occur? Y flowed production be recovered 12. Are all produced fluids from a 13. Will the value of production be 14. If this well is on, or communit United States Bureau of Lance 15. NMOCD Reference Cases for 16. ATTACHMENTS * C-102 for each zon	d royalty interests identical in a ding, and royalty interests been given written notice of the profess and will the allocation formal commingled zones compatible decreased by commingling?	method and providing rate pro- all commingled zones? en notified by certified mail? posed downhole commingling? empatible, will the formations rula be reliable. X Yes Le with each others X Yes X No (If Yes, either the Commissioner of ed in writing of this application. ORDER NO(S).	Yes X No X Yes No X Yes No X Yes No N
* For zones with no p * Data to support allo * Notification list of * Notification list of * Any additional state hereby certify that the information	production history, estimated procation method or formula. All offset operators. Working, overriding and royalisements, data, or documents recomments above is true and complete	ty interests for uncommon intequired to support commingling	g data. prest cases. g. and belief.
GIGNATURE <u>Jay III.</u>	uuug .	TITLE Regulatory Agent	DATE December 9, 1998
YPE OR PRINT NAME Kay Mad	dox	TELEPHONE NO	(915) 686-5798

PROPOSED DRINKARD PRODUCTION ALLOCATION WARREN UNIT 146

Justification:

Conoco is proposing to downhole commingle the Warren Unit 146 Drinkard with the Blinebry-Tubb pool. The TCB State #1 (API-33819) is the nearest active Drinkard producer in 36-20S-38E and it's production decline was used to predict future Drinkard production from the WU 146 (API-34362).

Estimated IP's and production declines for the Blinebry-Tubb recompletion are based on the WU 58 Blinebry-Tubb production (API-26246) and WU 45 Tubb production (API-25459). As can be seen on the attach production plots, the Tubb production is the dominant producer of the two recompletion zones.

If you have any questions, please don't hesitate to call me.

Tim Schneider Hobbs NMFU

Sr. Production Engineer

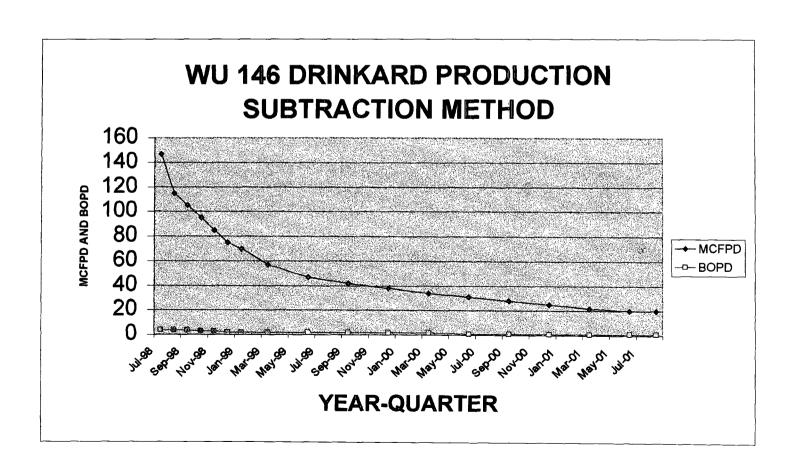
915-686-6180

November 12, 1998

WU 146 DHC REQUEST DRINKARD PRODUCTION FORECAST SUBTRACTION METHOD APPLIED

QUARTERLY FORECASTED VOLUMES

	DATE	MCFPD	BOPD	Annual declin	ne
	Jul-98	147	4		Actuals
	Aug-98	115	4	•	Actuals
	Sep-98	105	4	•	Actuals
	Oct-98	95	3	;	Actuals
1st quart	Nov-98	85	3	1	Forecast
2nd quart	Dec-98	75	2	135%	Forecast
3rd	Jan-99	70	2	2	Forecast
4th	Mar-99	57	2	<u> </u>	Forecast
5th	Jun-99	47	2	<u> </u>	Forecast
6th	Sep-99	42	2	?	Forecast
7th	Dec-99	38	2	70%	Forecast
8th	Mar-00	34	2	2	Forecast
9th	Jun-00	31	1		Forecast
10th	Sep-00	28	1		Forecast
11th	Dec-00	25	1	42%	Forecast
12th	Mar-01	22	1		Forecast
13th	Jun-01	20	1		Forecast
14th	Aug-01	20	1		Forecast



Date: 11/11/1998

Time: 1:54 PM

Lifetime Monthly Production Forecast Report

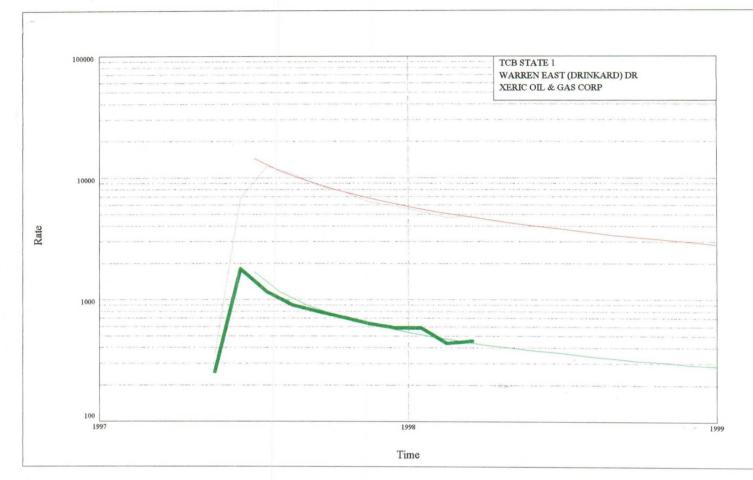
Project: C:\DATA\DWIGHTS\PTOOLS25\WU146DRK.MDB

Lease Name: County, ST: Location: TCB STATE (1)

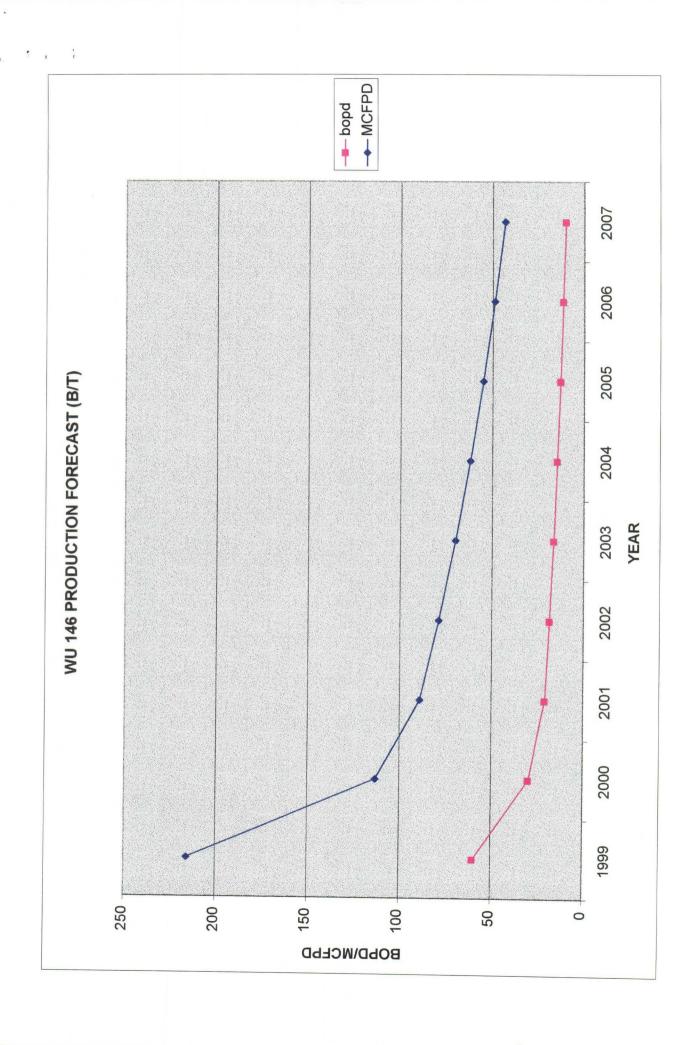
LEA, NM 20S-38E-36 Field Name: Operator:

WARREN EAST (DRINKARD) DR

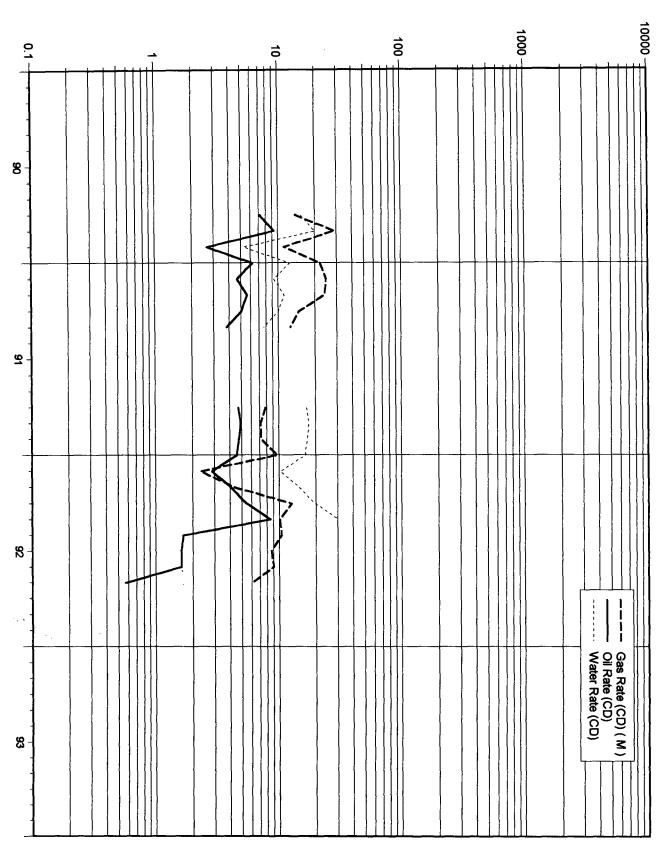
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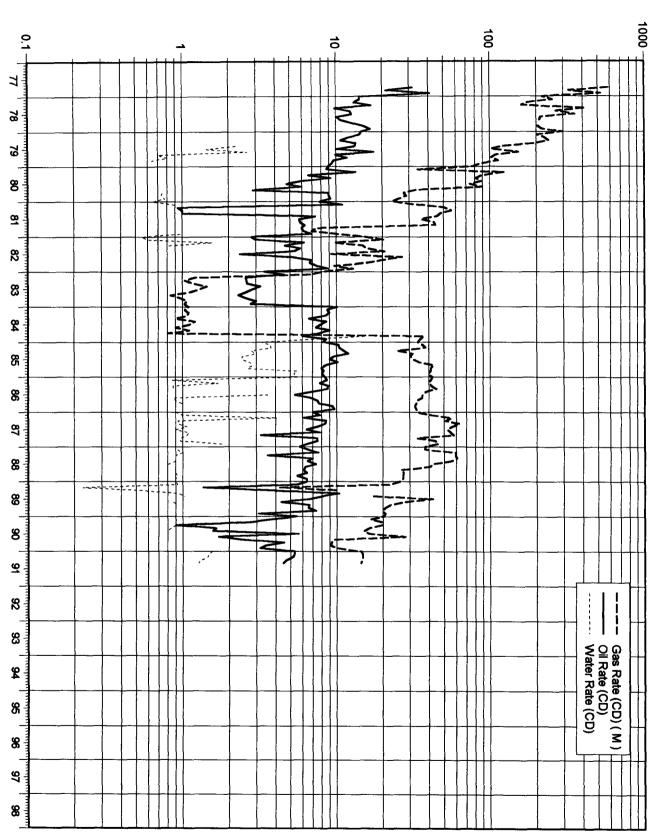
	Date	Oil (bbl)	Gas (mcf)	Water (bbl)	OilCum (bbl)	GasCum (mcf)	WaterCum (bbl)
	09/1997	50% decline 836	8,796	0	836	8,796	0
	10/1997 i	n 1 5 715	7,656	0	1,551	16,453	0
	11/1997	months. 630	6,794	0	2,182	23,246	0
	12/1997	567	6,117	0	2,749	29,363	0
	01/1998	517	5,570	0	3,266	34,933	0
	02/1998	477	5,119	0	3,743	40,052	0
Forecast	03/1998	444	4,740	0	4,186	44,793	0
1	04/1998	416	4,417	0	4,602	49,210	0
•	05/1998	392	4,138	0	4,994	53,349	0
	06/1998	371	3,895	0	5,365	57,244	0
r	07/1998	353	3,680	0	5,718	60,924	0
	08/1998	337	3,490	0	6,054	64,414	0
	09/1998	322	3,319	0	6,376	67,733	0
	10/1998	309	3,166	0	6,686	70,899	0
	11/1998	297	3,027	0	6,983	73,926	0
	12/1998	287	2,901	0	7,270	76,826	0
	01/1999	277	2,785	0	7,546	79,611	0
	02/1999	268	2,679	0	7,814	82,290	0
	03/1999	259	2,581	0	8,074	84,872	0
	04/1999	252	2,491	0	8,325	87,363	0
	05/1999	245	2,407	0	8,570	89,770	0
	06/1999	238	2,329	0	8,808	92,099	0
	07/1999	232	2,257	0	9,040	94,356	0



WARREN UNIT 58:BT



WARREN UNIT 45:TB



District I PO Box 1980, Hobbs. NM 88241-1980

State of New Mexico Energy, Minerals & Natural Resources Department

Revised February 21, 1994 instructions on back

District II PO Drawer DD, Artesia, NM 88211-0719 District III 1000 Rio Brazos Rd. Aztec, NM 87410

OIL CONSERVATION DIVISION Submit to Appropriate District Office State Lease - 4 Copies PO Box 2088 Santa Fe, NM 87504-2088 Fee Lease - 3 Copies

District IV

MENDED REPORT

PO Box 2088, Santa Fe. NM 87504-2088

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. Al	PI Numbe			2 Pool C			3 Pool Nam					
30-	-025-343 6	52		62965		War	ren Blinebry - 7	Tubb Oil				
4 Property	Code				5 Proper	ty Name			6 We	II Number		
00312	003122			····	Warren	Unit				#146		
7 OGRID No					•	tor Name	9 Elevation					
00507	3	Conc	co Inc.,	10 Desta		00W, Midland, T.	X 79705-4500	9705-4500 3566'				
			10 Surface Location									
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/We	st line	County		
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PO Box 2088, Santa Fe. NM 87604-2088

API Number

State of New Mexico Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION PO Box 2088 Santa Fe, NM 87504-2088 Form C-102
Revised February 21, 1994
Instructions on back
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

-3.2 U.S UT such advergenation

___ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

			631	20	W	arren Drin	kard East			
Property	Code				Property	Name			• 1	fell Number
003122					WARREN	UNIT			i	146
OGRID					*Operator				•	Elevation
0050	/3	L			CONOC					3566'
					OSurface I	Location				
UL or lot no.	Section	Township		Lot Idn	Feet from the	North/South line	Feet from the	East/Wes		County
Р	26	20-S			660'	SOUTH	860	EAS	ST	LEA
		1	¹¹ Bottom	Hole	Location If	Different F	rom Surfac	ce		
UL or lot no.	Section	Townshi		Lot kin	Feet from the	North/South line	Feet from the	East/We	et line	County
						[
"Dedicated Acr	"Joint	or Infill	"Consolidatio	n Code	Order No.					
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		OR A	NON-STA	ANDAKD	UNIT HAS B	EEN APPROVE	D BY THE D	IVISION	~	
16							17 OPE	RATOR	CERT	TIFICATION
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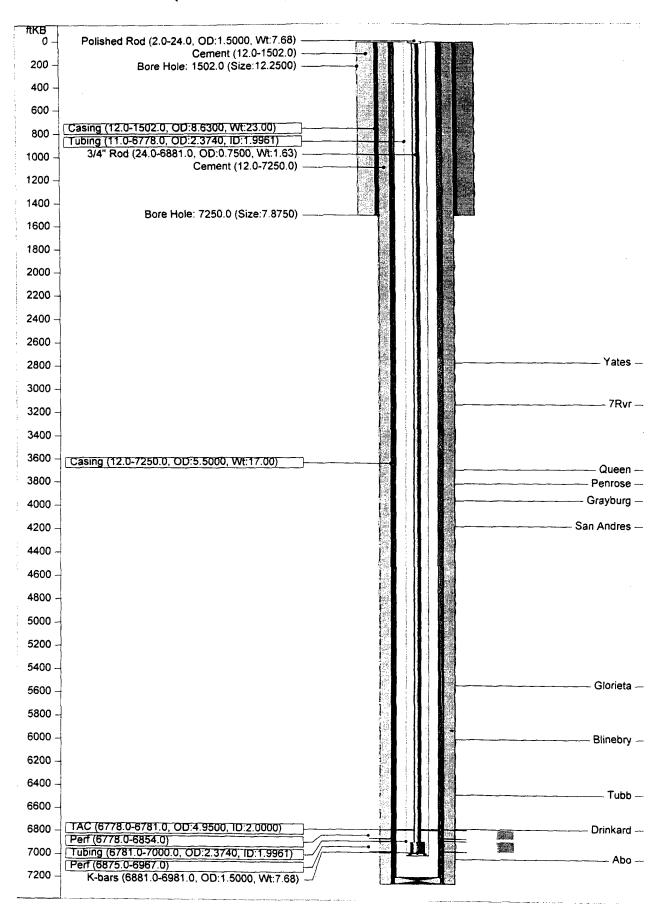
WARREN UNIT #146 (HWR 11/06/98)

API No.	140 (111111	11/06/98)	436200	00		Status			OPU, Property Code 003122
API NO.	i		0.0 ftKB			Frm. at	TD		DRINKARD
BTD			0 RKB			Frm. P			
Operator			COIN			Permit			
Well No.			146			Spud			26-May-98
Permit No.	·	Pool Co		20		RR			
Field		N	MFU			Completion			10-Jul-98
District	i		DBBS			Last Act.			
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inal Well Class.			OIL						
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falf Township		1					ngitude		0
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Production Casing Other (plugs, eq Date 13-Jun-98 Perforations Date 24-Jun-98 6875	Cement plug	12.0 12.0 - Cement I em	600 1305 Plug T Jet perfo	7188 ype	Int (ftKB) 8.0 - 72	75-77, 8	30-84, 90	Comments Co	omments
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Production Casing Other (plugs, eq Date 13-Jun-98 Perforations Date 24-Jun-98 6875 26-Jun-98 6778 Stimulations & Tate	uip., etc.) Iti Cement plus Int 5.0 - 6967.0 3.0 - 6854.0 Treatments Type	12.0 12.0 - Cement I em g Shots (/ft) 1.0 1.0	600 1305 Plug T Jet perfc Jet perfc	7188 ype pration pration Int	Int (ftKB) 8.0 - 72 @ 68	75-77, 6 78-82, 6	30-84, 90 5800-04,	Comments Co 0-92, 96-69 , 10-12, 41	omments 000, 6910-12, 16-30, 42-44, 65-6967 -43, 50-6854'.
Production Casing Other (plugs, eq Date 13-Jun-98 Perforations Date 24-Jun-98 6875 26-Jun-98 6778 Stimulations &	uip., etc.) Iti Cement plus Int 5.0 - 6967.0 3.0 - 6854.0 Treatments Type	12.0 12.0 - Cement I em g Shots (/ft) 1.0 1.0	600 1305 Plug T Jet perfc Jet perfc	7188 ype pration	Int (ftKB) 8.0 - 72 @ 68	75-77, 8 78-82, 6 Flu 15% F	30-84, 90 5800-04 iid	0-92, 96-69 10-12, 41	omments 000, 6910-12, 16-30, 42-44, 65-6967 43, 50-6854'. Comments 5% HCl & 1100 SCF Nitrogen & 30
Production Casing Other (plugs, eq Date 13-Jun-98 Perforations Date 24-Jun-98 6875 26-Jun-98 6778 Stimulations & Task	uip., etc.) Iti Cement plus Int 5.0 - 6967.0 3.0 - 6854.0 Treatments Type	12.0 12.0 - Cement I em g Shots (/ft) 1.0 1.0	600 1305 Plug T Jet perfc Jet perfc	7188 ype pration pration Int	Int (ftKB) 8.0 - 72 @ 68	75-77, 6 78-82, 6	30-84, 90 5800-04, iid iCl & 4	0-92, 96-69 10-12, 41- 000 gais 19 3sg ball se	Domments 200, 6910-12, 16-30, 42-44, 65-6967 43, 50-6854'. Comments 5% HCI & 1100 SCF Nitrogen & 30- palers @ 5-6 bpm (total rate).
Production Casing Other (plugs, eq Date 13-Jun-98 Perforations Date 24-Jun-98 6875 26-Jun-98 6778 Stimulations & Task	uip., etc.) Iti Cement plus Int 5.0 - 6967.0 3.0 - 6854.0 Treatments Type	12.0 12.0 - Cement I em g Shots (/ft) 1.0 1.0	600 1305 Plug T Jet perfc Jet perfc	7188 ype pration pration Int	Int (ftKB) 8.0 - 72 @ 68	75-77, 8 78-82, 6 Flu 15% F	30-84, 90 5800-04, iid iCI & 4 en 1	000 gais 13.3sg ball se	Domments 200, 6910-12, 16-30, 42-44, 65-6967 43, 50-6854'. Comments 5% HCl & 1100 SCF Nitrogen & 30- 22 Palers @ 5-6 bpm (total rate). @ 4300#, AIP 5000#, MIP 5495#, fa
Production Casing Other (plugs, eq Date 13-Jun-98 Perforations Date 24-Jun-98 6875 26-Jun-98 6778 Stimulations & Total	uip., etc.) Iti Cement plus Int 5.0 - 6967.0 3.0 - 6854.0 Treatments Type	12.0 12.0 - Cement I em g Shots (/ft) 1.0 1.0	600 1305 Plug T Jet perfc Jet perfc	7188 ype pration pration Int	Int (ftKB) 8.0 - 72 @ 68	75-77, 8 78-82, 6 Flu 15% F	30-84, 90 5800-04 id iC/ & 4 en : 1 B	0-92, 96-69 , 10-12, 41 , 3sg ball sereakdown all action, I	Domments 200, 6910-12, 16-30, 42-44, 65-6967 243, 50-6854'. Comments 5% HCI & 1100 SCF Nitrogen & 30 ealers @ 5-6 bpm (total rate). @ 4300#, AIP 5000#, MIP 5495#, fa
Production Casing Other (plugs, eq Date 13-Jun-98 Perforations Date 24-Jun-98 6875 26-Jun-98 6778 Stimulations & 1 Date 25-Jun-98 Acid F	Int 5.0 - 6967.0 3.0 - 6854.0 Treatments Type	Shots (/ft) 1.0 1.0 Shots (/ft) 1.0 Zone Lower Drinkard	600 1305 Plug T Jet perfc Jet perfc	7188 ype pration pration Int	(ftKB) (8.0 - 72 @ 68 @ 67	75-77, (78-82, (Flu 15% F Nitrog	30-84, 90 5800-04, iid iCr & 4 en :1 B	0-92, 96-69 0-92, 96-69 10-12, 41 000 gals 19 3sg ball se reakdown a	Domments 100, 6910-12, 16-30, 42-44, 65-6967 143, 50-6854'. Comments 5% HCl & 1100 SCF Nitrogen & 30- Pealers @ 5-6 bpm (total rate). @ 4300#, AIP 5000#, MIP 5495#, fo SIP 3600#, 5 min 2855#, 10 min 10 2320#.
Production Casing Other (plugs, eq Date 13-Jun-98 Perforations Date 24-Jun-98 6875 26-Jun-98 6778 Stimulations & Total	Int 5.0 - 6967.0 3.0 - 6854.0 Treatments Type	Shots (/ft) 1.0 1.0 Shots (/ft) 1.0 Lower Drinkard	600 1305 Plug T Jet perfc Jet perfc	7188 ype pration pration Int	(ftKB) (8.0 - 72 @ 68 @ 67	75-77, (78-82, (Flu 15% F Nitrog	80-84, 96 5800-04, iid iCI & 4 en : 1 B b 2	0-92, 96-69 , 10-12, 41: 000 gals 19 .3sg ball se ireakdown all action, 1 510#, 15 m 000 gals 19	Comments Comments Comments Kelling Scr Nitrogen & 30 alers @ 5-6 bpm (total rate) 4304, AIP 5000#, MIP 5495#, fa SIP 3600#, 5 min 2855#, 10 min in 2320#.
Production Casing Other (plugs, eq Date 13-Jun-98 Perforations Date 24-Jun-98 6875 26-Jun-98 6778 Stimulations & 1 Date 25-Jun-98 Acid F	Int 5.0 - 6967.0 3.0 - 6854.0 Treatments Type	Shots (/ft) 1.0 1.0 Shots (/ft) 1.0 Zone Lower Drinkard	600 1305 Plug T Jet perfc Jet perfc	7188 ype pration pration Int	(ftKB) (8.0 - 72 @ 68 @ 67	75-77, (78-82, (Flu 15% F Nitrog	30-84, 96 5800-04, iid iCI & 4 en 1 B b 2	000 gais 19.3sg bail seireakdown all action, 1510, 1510, 15 pm, AIP 47	Comments 5% HCI & 1100 SCF Nitrogen & 30 ealers @ 5-6 bpm (total rate). @ 4300#, AIP 5000#, MIP 5495#, fs SIP 3600#, 5 min 2855#, 10 min inin 2320#. 5% HCI W/2% KCI as flush, AIR 4.1
Production Casing Other (plugs, eq Date 13-Jun-98 Perforations Date 24-Jun-98 6875 6778 Stimulations & Date 25-Jun-98 Acid F	Int 5.0 - 6967.0 Treatments Type Frac	Shots (/ft) 1.0 2	600 1305 Plug T Jet perfc Jet perfc	7188 ype pration pration Int	(ftKB) (8.0 - 72 @ 68 @ 67	75-77, (78-82, (Flu 15% F Nitrog	30-84, 96 5800-04, iid iCI & 4 en 1 B b 2	000 gais 19.3sg bail seireakdown all action, 1510, 1510, 15 pm, AIP 47	Domments 100, 6910-12, 16-30, 42-44, 65-6967 143, 50-6854'. Comments 5% HCl & 1100 SCF Nitrogen & 30- Pealers @ 5-6 bpm (total rate). @ 4300#, AIP 5000#, MIP 5495#, fo SIP 3600#, 5 min 2855#, 10 min 10 2320#.
Production Casing Other (plugs, eq Date 13-Jun-98 Perforations Date 24-Jun-98 6875 6778 Stimulations & Date 25-Jun-98 Acid F	Int 5.0 - 6967.0 Treatments Type rac Primary Tu	12.0 12.0 12.0 - Cement I em g Shots (/ft) 1.0 1.0 S Zone Lower Drinkard Upper Drinkard	600 1305 Plug T Jet perfc Jet perfc	7188 ype pration Int '5.0 - 68	@ 68 @ 67 @ 67.0	75-77, (78-82, (Flu 15% F Nitrog	30-84, 96 5800-04 iid ICI & 4 en 1 B b b 2 ICI 1 b	000 gals 19. 3sg ball sereakdown all action, 1510#, 15 m 000 gals 19. 1510#, 15 m 1330#, 11330#,	Comments Comments Comments Killing Comments Killing Comments Comments Killing Comments Comments Comments Killing Comments Killin
Production Casing Other (plugs, eq Date 13-Jun-98 Perforations Date 24-Jun-98 6875 26-Jun-98 6778 Stimulations & 1 Date 25-Jun-98 Acid F	Int O - 6967.0 Treatments Type Trac Primary Tu	12.0 12.0 12.0 - Cement I em g Shots (/ft) 1.0 1.0 S Zone Lower Drinkard Upper Drinkard Ibing Len	600 1305 Plug T Jet perfc Jet perfc	7188 ype pration int 75.0 - 69	@ 68 @ 67 @ 67.0	75-77, (78-82, (Flu 15% F Nitrog	30-84, 96 5800-04, iid iCI & 4 en 1 B b 2	000 gais 19.3sg bail seireakdown all action, 1510, 1510, 15 pm, AIP 47	Comments Comments Comments KI 1100 SCF Nitrogen & 30 ealers @ 5-6 bpm (total rate). 4300#, AIP 5000#, MIP 5495#, fa SIP 3600#, 5 min 2855#, 10 min inin 2320#. KI W 120 KCI as flush, AIR 4.1 CO#, good ball action, ISIP 2700#, 1000#, 1000#, 1000#, 1000#, 1000#, 1000#, 1000#, 1000#, 1000#, 1000#, 1000#, 1000#, 1000#, 1000#, 1000#, 1000#, 1000#, 1000#, 1000#, 1000#, 1000#, 1000#, 1000#, 1000#, 1000#, 1000#, 1000#, 1000#, 1000#, 1000#, 1000#, 1000#, 1000#, 1000#, 1000#, 1000#, 1000#, 1000#, 1000#, 1000#, 1000#, 1000#, 1000#, 1000#, 1000#, 1000#, 1000#, 1000#, 1000#, 1000#, 1000#, 1000#, 1000#, 1000#, 1000#, 1000#, 1000#, 1000#, 1000#, 1000#, 1000#, 1000#, 1000#, 1000#, 1000#, 1000#, 1000#, 1000#, 1000#, 1000#, 1000#, 1000#, 1000#, 1000#, 1000#, 1000#, 1000#, 1000#, 1000#, 1000#, 1000#, 1000#, 1000#, 1000#, 1000#, 1000#, 1000#, 1000#, 1000#, 1000#, 1000#, 1000#, 1000#, 1000#, 1000#, 1000#, 1000#, 1000#, 1000#, 1000#, 1000#, 1000#, 1000#, 1000#, 1000#, 1000#, 1000#, 1000#, 1000#, 1000#, 1000#, 1000#, 1000#, 1000#, 1000#, 1000#, 1000#, 1000#, 1000#, 1000#, 1000#, 1000#, 1000#, 1000#, 1000#, 1000#, 1000#, 1000#, 1000#, 1000#, 1000#, 1000#, 1000#, 1000#, 1000#, 1000#, 1000#, 1000#, 1000#, 1000#, 1000#, 1000#, 1000#, 1000#, 1000#, 1000#, 1000#, 1000#, 1000#, 1000#, 1000#, 1000#, 1000#, 1000#, 1000#, 1000#, 1000#, 1000#, 1000#, 1000#, 1000#, 1000#, 1000#, 1000#, 1000#, 1000#, 1000#, 1000#, 1000#, 1000#, 1000#, 1000#, 1000#, 1000#, 1000#, 1000#, 1000#, 1000#, 1000#, 1000#, 1000#, 1000#, 1000#, 1000#, 1000#, 1000#, 1000#, 1000#, 1000#, 1000#, 1000#, 1000#, 1000#, 1000#, 1000#, 1000#, 1000#, 1000#, 1000#, 1000#, 1000#, 1000#, 1000#, 1000#, 1000#, 1000#, 1000#, 1000#, 1000#, 1000#, 1000#, 1000#, 1000#, 1000#, 1000#, 1000#, 1000#, 1000#, 1000#, 1000#, 1000#, 1000#, 1000#, 1000#, 1000#, 1000#, 1000#, 1000#, 1000#, 1000#, 1000#, 1000#, 1000#, 1000#, 1000#, 1000#, 1000#, 1000#, 1000#, 1000#, 1000#, 1000#, 1000#, 1000#, 1000#, 1000#, 1000#, 1000#, 1000#, 1000#, 1000#, 1000#, 1000#, 1000#, 1000#, 1000#, 1000#, 1000#, 1000#, 10
Production Casing Other (plugs, eq Date 13-Jun-98 Perforations Date 24-Jun-98 6875 26-Jun-98 Acid F 26-Jun-98 Acid F 26-Jun-98 Acid F Tubing String - Item (in)	Int Cement plug Int 5.0 - 6967.0 3.0 - 6854.0 Treatments Type Frac Frac Primary Tu Top (ftKB)	Shots (/ft) 1.0 Shots (/ft) 1.0 Lower Drinkard Upper Drinkard Upper Drinkard Upper Drinkard Upper Drinkard	600 1305 Plug T Jet perfc Jet perfc	7188 ype pration pration Int 75.0 - 68	@ 68 @ 67 @ 67.0	75-77, 8 78-82, 6 Flu 15% F Nitrogo	30-84, 96 5800-04, id ICI & 4 en : 1 B b 2 2 ICI 1 b n Grd	000 gals 193 ag ball seireakdown 411 all action, 1510%, 15 m 000 gals 19 pm, AIP 47 nin 1330#,	Comments
Production Casing Other (plugs, eq Date 13-Jun-98 Perforations Date 24-Jun-98 6875 26-Jun-98 Acid F Date 25-Jun-98 Acid F Tubing String - Item [in] 2.3740 in Tubing	Int Cement plug Int 5.0 - 6967.0 3.0 - 6854.0 Freatments Type Frac Primary Tu Top (ftKB) 11.0	Shots (/ft) 1.0 1.0 S Some Lower Drinkard Upper Drinkard Upper Drinkard Upper Drinkard Upper Drinkard	600 1305 Plug T Jet perfc Jet perfc	7188 ype pration Int '5.0 - 68 (8.0 - 68 (in) 1.99	@ 687 @ 67.0	75-77, 8 78-82, 9 15% F Nitroger 15% F	30-84, 90 5800-04, iid iCI & 4 en : 1 B b 22 iCI 1 b m	000 gals 19.3sg ball seireakdown all action 510#, 10 130#, 11 130#, 11 14 15 16 16 16 16 16 16 16 16 16 16 16 16 16	Comments Comments Comments Killing Comments Killing Comments Comments Killing Comments Comments Comments Killing Comments Killin
Production Casing Other (plugs, eq Date 13-Jun-98 Perforations Date 24-Jun-98 6875 6778 Stimulations & Date 25-Jun-98 Acid Fubing String - Item (in) 2.3740 in Tubing 4.9500 in TAC	Int Cement plu Int 5.0 - 6967.0 3.0 - 6854.0 Ireatments Type rac Primary Tu Top (ftKB) 11.0 6778.0	12.0 12.0 12.0 12.0 12.0 12.0 12.0 12.0	600 1305 Plug T Jet perfc Jet perfc	7188 ype pration Int '5.0 - 68 ID (in) 1.99 2.00	@ 68 @ 67 @ 67 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	75-77, (78-82, (Flu 15% F Nitrogo 15% F	30-84, 96 5800-04 iid (CI & 4 en 1 b b CI 1 b n Grd J-55 J-55	Comments Co 0-92, 96-69 10-12, 41 3sg ball serireakdown all action, I 510#, 15 m pm, AIP 47 in 1330#, Thd 8rd 8rd	Comments
Production Casing Other (plugs, eq Date 13-Jun-98 Perforations Date 24-Jun-98 6875 26-Jun-98 Acid F Date 25-Jun-98 Acid F Tubing String - Item (in) 2.3740 in Tubing 4 9500 in TAC 2.3740 in Tubing	Int Cement plus Int 5.0 - 6967.0 3.0 - 6854.0 Treatments Type rac Primary Tu Top (ftKB) 11.0 6778.0 6781.0	12.0 12.0 12.0 12.0 Cement I em g Shots (/ft) 1.0 1.0 S Zone Lower Drinkard Upper Drinkard ibing Len (ft) 6767.0 3.0 219.0	600 1305 Plug T Jet perfc Jet perfc	7188 ype pration Int 75.0 - 69 (in) 1.99	@ 68: @ 67: @ 67: @ 67: @ 67:	75-77, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82,	30-84, 96 5800-04 iid ICI & 4 en 1 B b 2 ICI 1 b m Grd J-55 J-55 J-55	000 gais 19. 3sg bail action, 1510#, 15 m 000 gais 19. 19. 19. 19. 19. 19. 19. 19. 19. 19.	Comments
Production Casing Other (plugs, eq Date 13-Jun-98 Perforations Date 24-Jun-98 6875 26-Jun-98 Acid F Date 25-Jun-98 Acid F Tubing String - Item (in) 2.3740 in Tubing 2.3740 in Seat	Int Cement plu Int 5.0 - 6967.0 3.0 - 6854.0 Ireatments Type rac Primary Tu Top (ftKB) 11.0 6778.0	12.0 12.0 12.0 12.0 12.0 12.0 12.0 12.0	600 1305 Plug T Jet perfc Jet perfc	7188 ype pration Int '5.0 - 68 ID (in) 1.99 2.00	@ 68: @ 67: @ 67: @ 67: @ 67:	75-77, (78-82, (Flu 15% F Nitrogo 15% F	30-84, 96 5800-04 iid (CI & 4 en 1 b b CI 1 b n Grd J-55 J-55	Comments Co 0-92, 96-69 10-12, 41 3sg ball serireakdown all action, I 510#, 15 m pm, AIP 47 in 1330#, Thd 8rd 8rd	Comments
Production Casing Other (plugs, eq Date 13-Jun-98 Perforations Date 24-Jun-98 6875 26-Jun-98 6778 Stimulations & Date 25-Jun-98 Acid F Casing String - I Litem (in) 2 3740 in Tubing 2 3740 in Seat Nipple	Int Cement plug Int 5.0 - 6967.0 3.0 - 6854.0 Treatments Type Frac Primary Tu Top (ftKB) 11.0 6778.0 6781.0 7000.0	Shots (/ft) 1.0 Shots (/ft) 1.0 1.0 Some Lower Drinkard Upper Drinkard Upper Drinkard Ibing Len (ft) 6767.0 3.0 219.0 1.0	600 1305 Plug T Jet perfc Jet perfc	7188 ype pration Int 75.0 - 68 (8.0 - 68 (in) 1.99 2.00 1.99	@ 68* @ 68* @ 67.0 967.0	75-77, 8 78-82, 9 Flu 15% F Nitroge 15% F Wt 4.70 4.70 4.70	30-84, 96 5800-04 id ICI & 4 en	000 gals 19.3sg ball seireakdown all action, 15 rough 1330#, Thd 8rd 8rd 8rd 8rd	Comments
Production Casing Other (plugs, eq Date 13-Jun-98 Perforations Date 24-Jun-98 6875 26-Jun-98 Acid F Date 25-Jun-98 Acid F Tubing String - Item (in) 2.3740 in Tubing 4.9500 in TAC 2.3740 in Tubing 2.3740 in Seat Nipple 2.3740 in Notched	Int Cement plus Int 5.0 - 6967.0 3.0 - 6854.0 Treatments Type rac Primary Tu Top (ftKB) 11.0 6778.0 6781.0	12.0 12.0 12.0 12.0 Cement I em g Shots (/ft) 1.0 1.0 S Zone Lower Drinkard Upper Drinkard ibing Len (ft) 6767.0 3.0 219.0	600 1305 Plug T Jet perfc Jet perfc	7188 ype pration Int 75.0 - 69 (in) 1.99	@ 68* @ 68* @ 67.0 967.0	75-77, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82, (78-82,	30-84, 96 5800-04 iid ICI & 4 en 1 B b 2 ICI 1 b m Grd J-55 J-55 J-55	000 gais 19. 3sg bail action, 1510#, 15 m 000 gais 19. 19. 19. 19. 19. 19. 19. 19. 19. 19.	Comments
Production Casing Other (plugs, eq Date 13-Jun-98 Perforations Date 24-Jun-98 6875 26-Jun-98 6778 Stimulations & Date 25-Jun-98 Acid Fubing String - Litem (in) 23740 in Tubing 4,9500 in TAC 2,3740 in Tubing 2,3740 in Seat Collar	Int Cement plus Int 5.0 - 6967.0 3.0 - 6854.0 Treatments Type rac Frac Primary Tu Top (ftKB) 11.0 6778.0 6778.0 7000.0 7001.0	12.0 12.0 12.0 12.0 12.0 Cement I em g Shots (/ft) 1.0 1.0 S Zone Lower Drinkard Upper Drinkard sbing Len (ft) 6767.0 3.0 219.0 1.0 0.5	600 1305 Plug T Jet perfo Jet perfo 687	7188 ype pration Int 75.0 - 68 (8.0 - 68 (in) 1.99 2.00 1.99	@ 68* @ 68* @ 67.0 967.0	75-77, 8 78-82, 9 Flu 15% F Nitroge 15% F Wt 4.70 4.70 4.70	30-84, 96 5800-04 id ICI & 4 en	000 gals 19.3sg ball seireakdown all action, 15 rough 1330#, Thd 8rd 8rd 8rd 8rd	Comments
Production Casing Other (plugs, eq Date 13-Jun-98 Perforations Date 24-Jun-98 6875 26-Jun-98 6778 Stimulations & Date 25-Jun-98 Acid Fubing String - Item (in) 23740 in Tubing 23740 in Tubing 23740 in Notched Collar Rod String - 3/4*	Int Cement plug Int 5.0 - 6967.0 3.0 - 6854.0 Treatments Type rac Primary Tu Top (ftKB) 11.0 6778.0 6778.0 7000.0 7001.0	12.0 12.0 12.0 12.0 12.0 Cement I em g Shots (/ft) 1.0 1.0 S Zone Lower Drinkard Upper Drinkard sbing Len (ft) 6767.0 3.0 219.0 1.0 0.5 ng (Norris	600 1305 Plug T Jet perfo Jet perfo 687	7188 ype pration Int 75.0 - 68 (ID) (ID) (1.99 1.99	@ 68 @ 67 @ 67 0 61 61 61	75-77, 8 78-82, 6 Flu 15% F Nitrog 15% F Wt 4.70 4.70 4.70 4.70	30-84, 96 5800-04 iid ICI & 4 en 1 B b Crd J-55 J-55 J-55 J-55 J-55	000 gais 19 .3sg bail action, 1 510#, 15 m 000 gais 19 .3sg bail action, 1 510#, 15 m 000 gais 19 pm, AIP 47 nin 1330#, Thd 8rd 8rd 8rd	Comments Exact joint count unavailable
Production Casing Other (plugs, eq Date 13-Jun-98 Perforations Date 24-Jun-98 6875 26-Jun-98 6778 Stimulations & Date 25-Jun-98 Acid F Date 25-Jun-98 Acid F Tubing String - Item (in) 2,3740 in Tubing 2,3740 in Notched Collar Rod String - 3/44 Size	Int Cement plus Int 5.0 - 6967.0 3.0 - 6854.0 Treatments Type rac Frac Primary Tu Top (ftKB) 11.0 6778.0 6778.0 7000.0 7001.0	Shots (/ft) 1.0 Shots (/ft) 1.0 1.0 Some Lower Drinkard Upper Drinkard Upper Drinkard 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.	600 1305 Plug T Jet perfo Jet perfo 687 Jnts	7188 ype pration Int 75.0 - 68 (In) 1.99 2.00 1.99 1.99	@ 68; @ 68; @ 67; @ 67; @ 67; 61 61 61	75-77, 8 78-82, 6 Flu 15% F Nitrog 15% F Wt 4.70 4.70 4.70 4.70	30-84, 96 5800-04 id ICI & 4 en	000 gals 19.3sg ball seireakdown all action, 15 rough 1330#, Thd 8rd 8rd 8rd 8rd	Comments Comments Comments Comments KHCI & 1100 SCF Nitrogen & 30 Calers @ 5-6 bpm (total rate). A300#, AIP 5000#, MIP 5495#, ft SIP 3600#, 5 min 2855#, 10 min in 2320#. Comments Comments Comments Comments exact joint count unavailable
Production Casing Other (plugs, eq Date 13-Jun-98 Perforations Date 24-Jun-98 6875 26-Jun-98 6778 Stimulations & Date 25-Jun-98 Acid F 26-Jun-98 Acid F 26-Jun-98 Acid F 10-10-10-10-10-10-10-10-10-10-10-10-10-1	Int Cement plug Int 5.0 - 6967.0 3.0 - 6854.0 Treatments Type Frac Frac Primary Tu Top (ftKB) 11.0 6778.0 6781.0 7000.0 7001.0 Type	Shots (/ft) 1.0 1.0 Shots (/ft) 1.0 1.0 SZONE LOWER Drinkard Upper Drinkard Upper Drinkard Ibing Len (ft) 6767.0 3.0 219.0 0.5 Ng (Norris Top (ftKB)	600 1305 Plug T Jet perfo Jet perfo 687 Jnts	7188 ype pration pration Int 75.0 - 68 (8.0 - 68 (in) 1.99 2.00 1.99 1.99	@ 685 @ 687 @ 677 @ 677 @ 677 @ 677 @ 677 @ 677 @ 677 @ 677	75-77, 8 78-82, 6 Flu 15% F Nitrog 15% F Wt 4.70 4.70 4.70 4.70	30-84, 96 5800-04 iid ICI & 4 en 1 B b Crd J-55 J-55 J-55 J-55 J-55	000 gais 19 .3sg bail action, 1 510#, 15 m 000 gais 19 .3sg bail action, 1 510#, 15 m 000 gais 19 pm, AIP 47 nin 1330#, Thd 8rd 8rd 8rd	Comments
13-Jun-98 Perforations Date 24-Jun-98 6875 26-Jun-98 6778 Stimulations & Toate 25-Jun-98 Acid F 26-Jun-98 Acid F Collar Rod String - 3/4* Size (in) 15000 Po	Int Cement plus Int So - 6967.0 So - 6854.0 Treatments Type rac Frac Primary Tu Top (ftkB) 678.0 678.0 678.0 7000.0 7001.0 Type lished Rod	Shots (/ft) 1.0 1.0 1.0 1.0 1.0 1.0 SZONE LOWER Drinkard Upper Drinkard Upper Drinkard Upper Drinkard Upper Drinkard Upper Drinkard Upper Drinkard Upper Drinkard Upper Drinkard Upper Drinkard Upper Drinkard Upper Drinkard Upper Drinkard Upper Drinkard Upper Drinkard Upper Drinkard Upper Drinkard	600 1305 Plug T Jet perfo Jet perfo 687 Jnts	7188 ype pration Int '5.0 - 68 ID (in) 1.99 2.00 1.99 1.99 1.99	@ 683 @ 683 @ 673 @ 673 @ 673 0 61 0 61 61 61	75-77, 8 78-82, 9 15% F Nitroge 15% F Wt 4.70 4.70 4.70	30-84, 96 5800-04 iid ICI & 4 en 1 b Crd J-55 J-55 J-55 J-55 J-55 J-55	Comments Co 0-92, 96-69 . 10-12, 41 . 3sg ball sereakdown all action, I 510#, 15 m 000 gais 11 . 510#, 15 m 1330#, 15 m 1330#, 15 m 15	Comments
Production Casing Other (plugs, eq Date 13-Jun-98 Perforations Date 24-Jun-98 6875 26-Jun-98 6778 Stimulations & Date 25-Jun-98 Acid F 26-Jun-98 Acid F 26-Jun-98 Acid F 26-Jun-98 Acid F 26-Jun-98 Acid F 27-Jun-98 Acid F 28-Jun-98 Acid F 29-Jun-98 Acid F 29-Jun-98 Acid F 20-Jun-98 Acid F	Int Cement plus Int So - 6967.0 So - 6854.0 Treatments Type rac Frac Primary Tu Top (ftkB) 678.0 678.0 678.0 7000.0 7001.0 Type lished Rod	Shots (/ft) 1.0 1.0 Shots (/ft) 1.0 1.0 SZONE LOWER Drinkard Upper Drinkard Upper Drinkard Ibing Len (ft) 6767.0 3.0 219.0 0.5 Ng (Norris Top (ftKB)	600 1305 Plug T Jet perfo Jet perfo 687 Jnts	7188 ype pration pration Int 75.0 - 68 (8.0 - 68 (in) 1.99 2.00 1.99 1.99	@ 683 @ 683 @ 673 @ 673 @ 673 0 61 0 61 61 61	75-77, 8 78-82, 9 15% F Nitroge 15% F Wt 4.70 4.70 4.70	30-84, 96 5800-04 iid ICI & 4 en 1 B b Crd J-55 J-55 J-55 J-55 J-55	Comments Co 0-92, 96-69 . 10-12, 41 . 3sg ball sereakdown all action, I 510#, 15 m 000 gais 11 . 510#, 15 m 1330#, 15 m 1330#, 15 m 15	Comments Comments Comments Comments Kealers @ 5-6 bpm (total rate) A 300#, AIP 5000#, MIP 5495#, fa SIP 3600#, 5 min 2855#, 10 min Comments Comments Comments Comments Comments Exact joint count unavailable Comments Exact joint count unavailable

WARREN UNIT #146 (HWR 11/06/98)

Rod String	- 3/4" Rod String	g (Norris 97's) (d	on't)		
Siže (in)	Туре	Top (ftKB)	Len (ft)	No.	Comments
1.850	00 2.0 x 1.5 RHBC 20-3 pump	6981.0	20.0	1	class B with 3' PA plunger
1.300	0 strainer nipple	7001.0	1.0		
ormation/i	Horizon Tops				(1)
Toj (ftKi	D			Frm.	Code
	2767.0 Yates				
	3125.0 7Rvr				
	3687.0 Queei				
	3806.0 Penro				
	3952.0 Grayb				
	4172.0 San A				
	5531.0 Glorie				
	5992.0 Blineb	ory			
	6472.0 Tubb				
	6770.0 Drinka	ard			
	7030.0 Abo				
.ogs Run					
Date	Type	Int	Company		Comments
[1	Comp Neu/Three Dector Litho Density/NGS	200.0 - 7236.0	Schlumberger		
13-Jul-98	Azimuthal Laterolog/Micro-C w/GR	2800.0 - 7246.0	Schlumberger		
•	MAXIS "Quicklook"	2800.0 - 7246.0	Schlumberger		
	Natural GR Spectroscopy Log	5800.0 - 7207.0	Schlumberger		

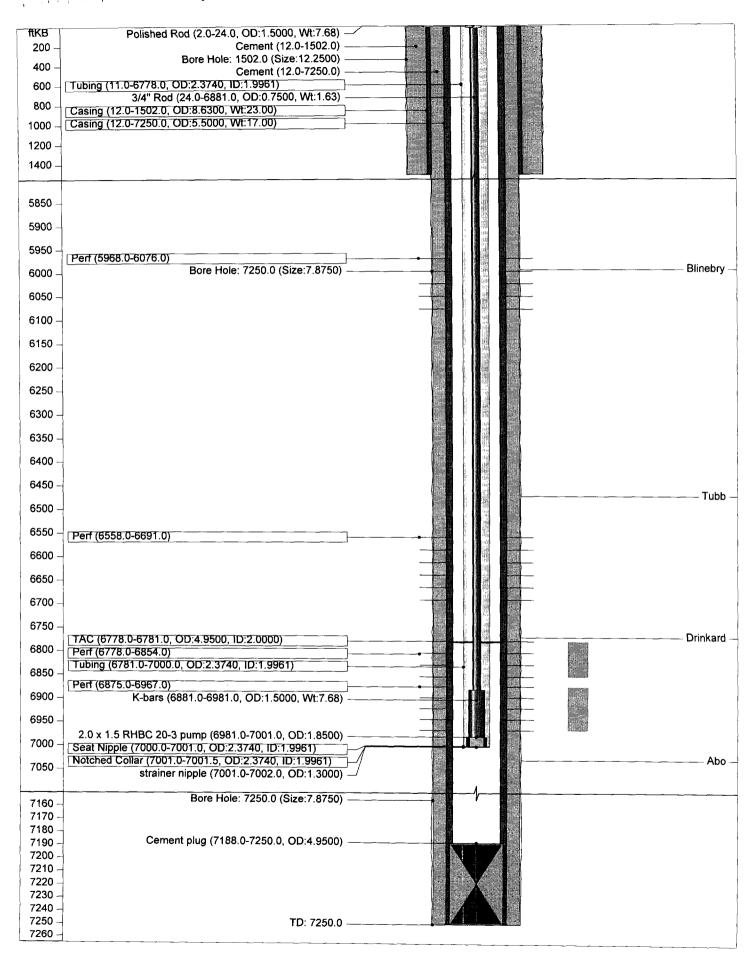
WARREN UNIT #146 (HWR 11/06/98)



WARREN UNIT #146 (HWR 11, Jô/98)

Polished Rod (2.0-24.0, D0:1.5000, Wt.7.68)	
200 - Cement (12.0-1502.0) 400 - Bore Hole: 1502.0 (Size: 12.2500) - Cement (12.0-7250.0) - Casing (11.0-5778.0, OD: 2.3740, ID: 19961) - Casing (12.0-1502.0, OD: 8.5300, Wt. 23.00) - Casing (12.0-1502.0, OD: 8.5300, Wt. 23.00) - Casing (12.0-7250.0, OD: 5.5000, Wt. 17.00) - Casing (12.0-1502.0, O	
Gement (12.0-7250.0) Tubing (11.0-6778.0, OD:2.3740, ID:1.9981) 3/4" Rod (24.0-6881.0, OD:0.7500, Wt.1.63) Casing (12.0-7250.0, OD:5.5000, Wt.23.00) Casing (12.0-7250.0, OD:5.5000, Wt.17.00) 1200 1400 TAC (6778.0-6781.0, OD:4.9500, ID:2.0000) Perf (67/8.0-6854.0) Bore Hole: 7250.0 (Size:7.8750) Tubing (6781.0-7000.0, OD:2.3740, ID:1.3961) Each of the company of	
600 Tubing (11.0-6778.0, OD:2.3740, ID:1.9961) 3/4" Rod (24.0-6881.0, OD:0.7500, Wt.1.6.3) Casing (12.0-7250.0, OD:5.5000, Wt.17.00) 1200 1400	
800	
Casing (12.0-1502.0, OD:8.5300, Wf.23.00) Casing (12.0-7250.0, OD:5.5000, Wf.17.00) 1200 1400 6760 6770 6780 Perf (6778.0-6781.0, OD:4.9500, ID:2.0000) Perf (6778.0-6854.0) Bore Hole: 7250.0 (Size:7.8750) Tubing (6781.0-7000.0, OD:2.3740, ID:1.9961) 6800 6810 6820 6830 6840 6850 6860 6870 6860 6870 6990 6900 6910 6920 6930	
1000 Casing (12.0-7250.0, OD:5.5000, Wt.17.00) 1200 1400 6760 6770 Perf (6778.0-6854.0) 6800 Casing (12.0-7250.0, OD:4.9500, ID:2.0000) Perf (6778.0-6854.0) Bore Hole: 7250.0 (Size:7.8750) Tubing (6781.0-7000.0, OD:2.3740, ID:1.9961) 6810 Casing (12.0-7250.0, OD:4.9500, Wt.17.00) Perf (6778.0-6854.0) Bore Hole: 7250.0 (Size:7.8750) Tubing (6781.0-7000.0, OD:2.3740, ID:1.9961) 6820 Casing (12.0-7250.0, OD:4.9500, Wt.17.00) Perf (6778.0-6854.0) Bore Hole: 7250.0 (Size:7.8750) Tubing (6781.0-7000.0, OD:2.3740, ID:1.9961) Casing (12.0-7250.0, OD:4.9500, Wt.17.00)	
1200 — 1400 — 6760 — 6770 — 6780 — Ferf (6778.0-6781.0, OD:4.9500, ID:2.0000) Perf (6778.0-6854.0) Bore Hole: 7250.0 (Size:7.8750) Tubing (6781.0-7000.0, OD:2.3740, ID:1.9961) 6810 — 6820 — 6830 — 6840 — 6850 — 6860 — 6870 — 6880 — K-bars (6881.0-6981.0, OD:1.5000, Wt.7.68) 6900 — 6910 — 6920 — 6930 —	
1400 — 6760 — 6770 — 6780 — Ferf (6778.0-6781.0, OD:4.9500, ID:2.0000) Perf (6778.0-6854.0) Bore Hole: 7250.0 (Size:7.8750) Tubing (6781.0-7000.0, OD:2.3740, ID:1.9961) 6810 — 6820 — 6830 — 6840 — 6850 — 6860 — 6870 — 6870 — 6880 — K-bars (6881.0-6981.0, OD:1.5000, Wt:7.68) 6990 — 6910 — 6920 — 6930 —	
1400 — 6760 — 6770 — 6780 — Ferf (6778.0-6781.0, OD:4.9500, ID:2.0000) Perf (6778.0-6854.0) Bore Hole: 7250.0 (Size:7.8750) Tubing (6781.0-7000.0, OD:2.3740, ID:1.9961) 6810 — 6820 — 6830 — 6840 — 6850 — 6860 — 6870 — 6870 — 6880 — K-bars (6881.0-6981.0, OD:1.5000, Wt:7.68) 6990 — 6910 — 6920 — 6930 —	
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6980 - 2.0 x 1.5 RHBC 20-3 pump (6981.0-7001.0 OD:1.8500)	
6990 –	
7000	
7000 — Seat Nipple (7000.0-7001.0, OD:2.3740, ID:1.9961)	
Notched Collar (7001.0-7001.5, OD:2.3740, ID:1.9961) 7010 — straiger gipple (7001.0-7002.0, OD:1.3000)	
7010 – strainer nipple (7001.0-7002.0, OD:1.3000) —	
7160 Bore Hole: 7250.0 (Size:7.8750)	
7170 -	
7180 — Compet plus (7189 0 7250 0 OD 4 0500)	
7190 Cement plug (7188.0-7250.0, OD:4.9500)	
7200 —	
7210 –	
7220	
7230 –	
7240 7250 TD: 7250.0	
7250 TD: 7250.0 TD: 7250	

WARREN UNIT #146 Proposed Wellbore 11/23/98



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Form 3160-4							- 1	Form appro	Med.	
(November 1983)		UNITED ST			SUBM	IT IN DUPL	JCATE"	Budget Bur		
(formerly 9-330)			OF THE INT				ţ	Expires Aug		
	BUREA	U OF LAND N	MANAGEMEN	π			į	5. LEASE LC 063		TION AND SERIAL NO.
WELL COMP	PLETION OF	RECOM	PLETION F	REPOR	RT AND	LOG*				TEE OR TRIBE NAME
1a. TYPE OF WELL	OIL	GAS	<u> </u>				i	7. UNIT AC	REMENT	NAME
41 - 7-7-05-00-15-01-15-01-1	WELL (X WEL	4	DRY	OTHER	·		B. FARM.C	DIEASE	NAME
1b. TYPE OF COMPLETION NEW Y	: Vork deep-	PLU	G D	IFF.			1	Warren		. 4 411.2
WELL X	OVER EN	BAC	Ж R	ESVR. 📜	OTHER			Weil #1		
2. NAME OF OPERATOR								9. API Nutt	10er 3 025 343	62
CONO	CO, INC.									.,, OR WILDCAT
3. ADDRESS OF OPERAT		Midland Town	70705 4500	/OIE)	(915) 684-6 686-5424	5381		Warren	Drinkard	East
4. LOCATION OF WELL (F	ta Or., Suite 100W, Report location clearly							11. SEC., T	, R., M., C	R BLOCK AND SURVEY
At surface 660' F	SL & 860' FEL							OR AR	EA	
At top prod, interval repo	wheel balance							Sec 26	5. T20S.	R38E
At top prod; interval repo	I ISC DEIOW							12 COUNT		13. STATE
At total depth		14. PERMI	T.10		DATE ISS	LIED.		PARISH		
		14. PERMI	II NO.	ŀ	4-10-98			Lea		NM
	ate T.D. Reached	l .	PL (Ready to prod) 18. EL	EVATIONS (I	DF,RKB,R	GR,ETC.		19.	ELEV. CASINGHEAD
5-26-98 6	-13-98	7-10-98		1	3566' GR					
20. TOTAL DEPTH, MD & T	VD 21. PLUG, B	ACK T.D., MD &		ULTIPLE C	OMPL.,	23. INTI		ROTAR	Y TOOLS	CABLE TOOLS
1474						i		L		WAS DIRECTIONAL
24. PRODUCING INTERVAL		LETION - TOP,	BOTTOM, NAME	(MD & TV	D)*	1			25.	
		PLETION TOP,	BOTTOM, NAME	(MD & TV	D)*	1,			25.	SURVEY MADE NO
24. PRODUCING INTERVAL	PF @ 6875-6967	PLETION - TOP.	BOTTOM, NAME	(MD & TVI	D)*					SURVEY MADE NO WELL CORED
24. PRODUCING INTERVAL Lower Drinkard w/l SF 26. TYPE ELECTRIC AND C	PF @ 6875-6967	PLETION - TOP.	BOTTOM, NAME			et in well)				SURVEY MADE NO
24. PRODUCING INTERVAL Lower Drinkard w/l SP 26. TYPE ELECTRIC AND C GR/CCL 28. CASING SIZE	OTHER LOGS RUN WEIGHT, LB./F	т. О€		RD (Repor	t all strings so LE SIZE		CEMENTIN	NG RECORE	27. WAS	SURVEY MADE NO WELL CORED no Amount Pulled
24. PRODUCING INTERVAL Lower Drinkard w/I SP 26. TYPE ELECTRIC AND C GR/CCL 28. CASING SIZE 8 5/8*	OTHER LOGS RUN WEIGHT, LB./F	T. DE	CASING RECO	RD (Repor	t all strings s NE SIZE V4"	600 ax	CEMENTIN	NG RECORD	27. WAS	SURVEY MADE NO WELL CORED no Amount Pulled NONE
24. PRODUCING INTERVAL Lower Drinkard w/l SP 26. TYPE ELECTRIC AND C GR/CCL 28. CASING SIZE	OTHER LOGS RUN WEIGHT, LB./F	т. О€	CASING RECO	RD (Repor	t all strings so LE SIZE		CEMENTI	NG RECORD	27. WAS	SURVEY MADE NO WELL CORED no Amount Pulled
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24. PRODUCING INTERVAL Lower Drinkard w/l SF 26. TYPE ELECTRIC AND C GR/CCL 28. CASING SIZE 8 5/8" 5 1/2"	WEIGHT, LB.F	T. DE 1502 7242	CASING RECO	RD (Repor	t all strings so DLE SIZE V4" 778"	600 ax 1306 ax	CEMENTIN		27. WAS	SURVEY MADE NO WELL CORED no Amount Pulled NONE NONE NONE RECORD
24. PRODUCING INTERVAL Lower Drinkard w/l SF 26. TYPE ELECTRIC AND C GR/CCL 28. CASING SIZE 8 5/8" 5 1/2"	OTHER LOGS RUN WEIGHT, LB./F	T. DE 1502 7242	CASING RECO	RD (Repor	t all strings s NE SIZE V4"	600 ax 1306 ax	30		27. WAS	SURVEY MADE NO WELL CORED no Amount Pulled NONE NONE NONE RECORD
24 PRODUCING INTERVAL Lower Drinkard w/l SF 26 TYPE ELECTRIC AND C GR/CCL 28 CASING SIZE 8 5/8* 5 1/2* 29 Size 1	WEIGHT, LB./F 238 179 OP (MD)	T. DE 1502 7242 LINER RECO	CASING RECO	RD (Report HC 12 7 1	t all strings so DLE SIZE V4" 17/8" SCREEN	500 ax 1305 ax (MD)	30 SIZE 2 7/8'	DEP*	27. WAS	SURVEY MADE NO WELL CORED no Amount Pulled NONE NONE NONE RECORD ID) PACKER SET (ME
24. PRODUCING INTERVAL Lower Drinkard w/l SF 26. TYPE ELECTRIC AND C GR/CCL 28. CASING SIZE 8 5/8" 5 1/2"	WEIGHT, LB.F 238 179 OP (MD)	T. DE 1502 7242 LINER RECO	CASING RECO	RD (Repor	t all strings sole SIZE U4" 7/8" SCREEN	500 sx 1305 sx (MD)	30 SIZE 2 7/8'	DEP** 6786*	TUBING TH SET (N	SURVEY MADE NO WELL CORED no Amount Pulled NONE NONE NONE RECORD AD) PACKER SET (ME
24. PRODUCING INTERVAL Lower Drinkard w/l SP 26. TYPE ELECTRIC AND C GR/CCL 28. CASING SIZE 8 5/8" 5 1/2" 29. Size T 31. PERFORATION RECORD	WEIGHT, LB./F 23# 17# OP (MD) RD (Interval, size	T. DE 1502 7242 T242 T24	CASING RECO PTH SET (MD) RD) SACKS CEM	RD (Report HC 12 7 1	t all strings sole SIZE U4" 7/8" SCREEN	600 sx 1306 sx (MD) ACID, SH	30 SIZE 2 7/8'	DEP** 6786* , CEMENT S AMT. 4000 gals	TUBING TH SET (N SQUEEZE, AND KINC	SURVEY MADE NO WELL CORED no Amount Pulled NONE NONE NONE RECORD AD) PACKER SET (ME Etc. OF MATERIAL USED E HCL &
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*(See Instructions and Spaces for Additional Data on Reverse Side)

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

DISTR: BLM(6) NMOCD(1)

UNITED STATES

FORM APPROVED OMB NO. 1004-0138 Expres February 28, 1995

21. 2027 (1**.7**941).

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12 TYPE OF WORK							
b Type of Well	LL 🛛	DEEPEN				7 UNIT AGRREEMENT NA	AME
OIL GA	S OTHER			NOLE DONE	LE	E FARM OR LEASE NAME WE	
2. NAME OF OPERATOR						Warren (Init # 146
	onoco Inc.					9 API WELL NO 30-C	25-343
a. Address and telephone no	D- 54- 4205 Midle-	- T. 70705 A	500			-146	
	Dr. Ste 430E, Midland (Report location clearly a	•		State requirements *)		10. FIELD AND POOL, OF	
At surface		660' FSL				Warten Drink	BLK. EA
At proposed prod. zone	e	660' FSL	& 860'	FEL		Sec. 26, T20-S	s, K38-E
14. DISTANCE IN MILES A	ND DIRECTION FROM NEA	EST TOWN OR PO	ST OFICE	•		12 COUNTY OR PARISH	13. STATE
						Lea	NM
5. DISTANCE FROM PROPO	SED*		16 NO	OF ACRES IN LEASE	17. NO. C	OF ACRES ASSIGNED	4
LOCATION TO NEAREST PROPERTY OR LEASE L (Also to nearest dri	INE, FT. g. unit line, if Anv)					40	
8. DISTANCE FROM PROPO TO NEAREST WELL, DR	SED LOCATION		19. PR	OPOSED DEPTH	20. ROTA	ARY OR CABLE TOOLS	
OR APPLIED FOR, ON THE			<u> </u>	7250'		Rotary	
21. ELEVATIONS (Show who	ether DF, RT, GR, etc)					22. APPROX. DATE WO	
23		3566' GR				3/31/9	98
		PROPOSED CAS	NG ANE	CEMENTING PROCES	tr co	NTROLLER MAS	TED TO BENEFIT
SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER F	001	SETTING DEPTH		QUANTITY OF CEME	Here Bernera
12-1/4"	M-50, 8-5/8"	23#		1500'		28500 sxs, circ.	
7-7/8"	K-55, 5-1/2"	17#		7250'		1355 sxs, circ.	
 Well Location & A Proposed Well Pla Cementing Plan. Surface Use Plan. Trailer Mounted R BOP & Choke Mai H2S Drilling Opera Surface owner com This application included the undersigned acceptable 	ig Layout Drawing. nifold Specifications. ations Plan.	pad, electric li	ne, acce	APPROVAL SUR GENERAL REQ SPECIAL STIPL ATTACHED ss road and flowline. is and restrictions cond	BJEGT UIREN JLATIO	eff. date4 api no30 -0	3/22 63/2,0 -15-98 25-343
(This space for Federal PERMIT NO	RIBE PROPOSED PROGRAMMENT AND STATE OF State office use) The proposed programment of state office use) The proposed programment of state office use) The proposed programment of state office use)	ns and measured and	Jo A Pro	al depths. Give blowout preve	nter program	, if any.	1-93
APPROVED BY	e GED.) ARAVIEDO A 11	1957 TITLE	Ac	LINE ADM. MIN	ERALS	APR 1	1998



Mid-Continent Region Exploration/Production Conoco Inc. 10 Desta Drive, Suite 100W Midland, TX 79705-4500 (915) 686-5400

Warren Unit # 146
Section 26, T-20-S, R-38-E, P
Lea County, New Mexico
API # 30-039-34362
Pools:Warren; Blinebry-Tubb Oil & Gas
& Warren Drinkard East

Re: Application to Downhole Commingle Tubb & Drinkard C-107A

Attached is a list of the Working, Override, and Royalty Interest owners involved in this well. They have been sent certified copies of the C107A application – see attached evidence.

Warren Unit # 146
Section 26, T-20-S, R-38-E, P
Lea County, New Mexico
API # 30-039-34362
Pools:Warren; Blinebry-Tubb Oil & Gas
& Warren Drinkard East

Re: Application to Downhole Commingle Tubb & Drinkard C-107A

Offset Operators:

John H. Hendrix Corp. PO Box 3040 Midland, TX 79702-3040

Stevens & Tull PO Box 11005 Midland, TX 79702-8005

Xeric Oil & Gas Corporation PO Box 352 Midland, TX 79702-0352

The above listed companies have been sent a copy of the C107A Application

BHCH Mineral Joint Venture 5111 Broadway San Antonio, TX 78209-5709

Shirely Ann Grainger PO Box 516124 Dallas, TX 75251-6124 Apache Corp Attn Sandra Brown 2000 Post Oak Blvd STE 100 Houston, TX 77056-4403

Apache Corporation PO Box 840133 Dallas, TX 75284-0133 CBC Trust F/B/O Eleanor Christie Corrigan J Pat Corrigan Trustee PO Box 56393 Jacksonville, FL 32241-6393

Chevron USA Inc PO Box 840592 Dallas, TX 75284-0592

Charles H. Coll PO Box 1818 Roswell, NM 88202-1818 Jon F. Coll PO Box 1818 Roswell, NM 88202-1818 James N Coll PO Box 1818 Roswell, NM 88202-1818

Max W. Coll, II RR 9 Box 72F Santa Fe. NM 87505-9416 CEC Trust F/B/O James Patrick Corrigan Jr. PO Box 690068 Vero Beach, FL 32969-0068

Kyle L. Stallings PO Box 10217 Midland, TX 79702-7217

CBC Trust F/B/O Hugh Corrigan IV 3809 Shenanadoah St Dallas, TX 75205-1701 Job Gieb III Po Box 2434 Midland, TX 79702-2434 Taryn Nini Morris 2323 Ooldham Ln Abilene, TX 79602-6109

Nevada Children's FDN, Inc C/O Norwest BK Mexico Trustee PO Box 659566 San Antonio, TX 78265-9566

Orval Lester Brace & Myrtle Brace C/O Mrs. Ann Clark 5654 Ella Lee Lane Houston, TX 77056-4023

Pat Corrigan Trustee-Pat Corrigan Trust PO Box 690068 Vero Beach, FL 32969-0068

Harold G. Hubbard !0034 Regal Park Lane # 134 Dallas, TX 75230-5537 Morgan R. Hubbard PO Box 1961 Abilene, TX 79604-1961 Bruce H C Hill 5111 Broadway San Antonio, TX 78209-5709

Peggy Donnely McConnell Sanford & Brumeister PC 201 Main St STE 1250 Ft. Worth, TX 76102-3116 CBC Trust F?B?O Patrick Edward Corrigan, Hugh Corrigan III Trst PO Box 50280 Midland, TX 79710-0280

Marilyn Nowlin Nini 2 Trafalgar Square Abilene, TX 79605-5017

William C. Sawtelle PO Box 489 Judson, TX 75660-0489 CEC Trust F/B/O Hugh Daniels Corrigan J Pat Corrigan Trustee PO Box 690068 Vero Beach, FL 32969-0068

Shriners Hospital for Children PO Box 277457 Atlanta, GA 30384-7457

Hugh Corrigan III Trust Hugh Corrigan III Turstee PO Box 50460 Midland, TX 79710-0460

Burlington Resources Po Box 840656 Dallas, TX 75284-0656

James William Bishop PO Box 2248 Hot Springs, Ar 71914-2248 Matador E & P Co Inc. PO Box 891684 Dallas, TX 75389-1684

Rembert A Lechner 10350 County Rd #305 Terrell, TX 75160-6514 Minerals Mgt Service
PO Box 5810
Denver, CO 80217-5810

Chevron USA Inc PO Box 840592 Dallas, TX 75284-0592 Atlantic Richfield Co PO Box 910355 Dallas, TX 75391-0355 Amoco Production Co PO Box 277897 Atlanta, GA 30384-7897

Boys & Girls Clubs of American National Headquarters 1230 W. Peachtree St Atlanta, Ga 30309-3404 Elks Natl Foundation A Patricia Kavanaugh 2750 Lake View Ave Chicago, IL 60614-3806

Chloe Blair Trust Mike Floyd Trustee PO Box 868 Borger, TX 79008-0868

Boyer/Coleman/Spitler Collection Tr #1 C/O Nations Bank of TX PO Box 840738 Dallas, TX 75284-0738

Patrick J. Leonard PO Box 620 Wimberley, TX 78676-0620

Robert J. Leonard PO Box 400 Roswell, NM 88202-0400

Timothy T. Leonard PO Box 2625 Eagle Pass, TX 78853-2625 New Mexico Boys Ranch Inc 6209 Hendrix NE Albq, NM 87110-1334 University of New Mexico Scholes Hall # 251 Albq, NM 87131-3011

Shattuck – St Marys School PO Box 218 Faribault, MN 55021-0218 Minerals Mgmt Service PO Box 5810 Denver, CO 80217-5830

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US Postal Service **Receipt for Certified Mail**

Elks Natl Foundation A Patricia Kavanaugh 2750 Lake View Ave Chicago, IL 60614-3806

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US Postal Service Receipt for Certified Mail

Minerals Mgmt Service PO Box 5810 Denver, CO 80217-5830

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Chloe Blair Trust Mike Floyd Trustee PO Box 868 Borger, TX 79008-0868

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Patrick J. Leonard PO Box 620 Wimberley, TX 78676-0620

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US Postal Service

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University of New Mexico

Scholes Hall # 251 Albq, NM 87131-3011

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US Postal Service

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Amoco Production Co PO Box 277897 Atlanta, GA 30384-7897

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US Postal Service

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New Mexico Boys Ranch Inc 6209 Hendrix NE Albg, NM 87110-1334

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US Postal Service

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Robert J. Leonard PO Box 400 Roswell, NM 88202-0400

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Minerals Mgt Service PO Box 5810 r Denver, CO 80217-5810

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US Postal Service

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BHCH Mineral Joint Venture 5111 Broadway San Antonio, TX 78209-5709

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US Postal Service
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Apache Corporation PO Box 840133 Dallas, TX 75284-0133

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ers Hospital for Children 3ox 277457 Ita, GA 30384-7457

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US Postal Service

Receipt for Certified Mail

No Insurance Coverage Provided.
Do not use for International Mail (See reverse)

Timothy T. Leonard PO Box 2625 Eagle Pass, TX 78853-2625

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US Postal Service

Receipt for Certified Mail

No Insurance Coverage Provided.

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Chevron USA Inc PO Box 840592 Dallas, TX 75284-0592

Certified Fee	

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US Postal Service

Receipt for Certified Mail

No Insurance Coverage Provided.

at Corrigan Trusteeat Corrigan Trust O Box 690068 ero Beach, FL 32969-0068

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US Postal Service

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No Insurance Coverage Provided.
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James William Bishop PO Box 2248 Lat Springs, Ar 71914-2248

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Boyer/Coleman/Spitler Collection Tr #1 C/O Nations Bank of TX PO Box 840738 Dallas, TX 75284-0738

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US Postal Service

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Matador E & P Co Inc. PO Box 891684

Dallas, TX 75389-1684

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US Postal Service

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Rembert A Lechner 10350 County Rd #305 Terrell, TX 75160-6514

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US Postal Service

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Shattuck - St Marys School PO Box 218 Faribault, MN 55021-0218

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US Postal Service

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Boys & Girls Clubs of American National Headquarters 1230 W. Peachtree St Atlanta, Ga 30309-3404

 	
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Receipt for Certified Mail

Apache Corp Attn Sandra Brown 2000 Post Oak Blvd STE 100 Houston, TX 77056-4403

Postage	\$
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US Postal Service
Receipt for Certified Mail

Atlantic Richfield Co PO Box 910355 Dallas, TX 75391-0355

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C Trust F/B/O James Patrick Tigan Jr. Box 690068 o Beach, FL 32969-0068

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US Postal Service Receipt for Certified Mail

No Insurance Coverage Provided.

Morgan R. Hubbard PO Box 1961 Abilene, TX 79604-1961

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JS Postal Service

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Chevron USA Inc. O Box 840592)allas, TX 75284-0592

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ryn Nini Morris 23 Ooldham Ln ilene, TX 79602-6109

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Job Gieb III Po Box 2434 Midland, TX 79702-2434

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US Postal Service

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CBC Trust F7B7O Patrick Edward Corrigan, Hugh Corrigan III Trst PO Box 50280 Midland, TX 79710-0280

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US Postal Service

Receipt for Certified Mail

No Insurance Coverage Provided.

James N Coll PO Box 1818 Roswell, NM 88202-1818

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US Postal Service

Receipt for Certified Mail

No Insurance Coverage Provided.

Bruce H C Hill 5111 Broadway San Antonio, TX 78209-5709

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US Postal Service

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No Insurance Coverage Provided.

Orval Lester Brace & Myrtle Brace C/O Mrs. Ann Clark 5654 Ella Lee Lane Houston, TX 77056-4023

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US Postal Service Receipt for Certified Mail

No Insurance Coverage Provided.

CEC Trust F/B/O Hugh Daniels Corrigan J Pat Corrigan Trustee PO Box 690068 Vero Beach, FL 32969-0068

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US Postal Service

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Kyle L. Stallings PO Box 10217 Midland, TX 79702-7217

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US Postal Service

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Marilyn Nowlin Nini 2 Trafalgar Square Abilene, TX 79605-5017

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arles H. Coll Box 1818 swell, NM 88202-1818

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US Postal Service

Receipt for Certified Mail

No Insurance Coverage Provided.

Nevada Children's FDN, Inc C/O Norwest BK Mexico Trustee PO Box 659566 San Antonio, TX 78265-9566

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JS Postal Service

Receipt for Certified Mail to Insurance Coverage Provided.

liam C. Sawtelle Box 489 son, TX 75660-0489

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Max W. Coll, II RR 9 Box 72F Santa Fe, NM 87505-9416

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Harold G. Hubbard 10034 Regal Park Lane # 134 Dallas, TX 75230-5537

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US Postal Service

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Shirely Ann Grainger PO Box 516124 Dallas, TX 75251-6124

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CBC Trust F/B/O Eleanor Christie Corrigan J Pat Corrigan Trustee PO Box 56393 Jacksonville, FL 32241-6393

	
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US Postal Service

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No Insurance Coverage Provided.

CBC Trust F/B/O Hugh Corrigan IV 3809 Shenanadoah St Dallas, TX 75205-1701

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US Postal Service

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No Insurance Coverage Provided.

Peggy Donnely McConnell Sanford & Brumeister PC 201 Main St STE 1250 Ft. Worth, TX 76102-3116

rostage	>
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US Postal Service
Receipt for Certified Mail

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Hugh Corrigan III Trust Hugh Corrigan III
Turstee
PO Box 50460
Midland, TX 79710-0460

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US Postal Service

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Jon F. Coll PO Box 1818 Roswell, NM 88202-1818

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