Form 3160-4 (October 1990)

N.M. OII. CONS. COMMISSION

3. ADDRESS AND T 10 DESTA DI 4. LOCATION OF WELL At surface 1930 At top prod. inter At total depth 15. DATE SPUDDED 6-4-94 20. TOTAL DEPTH, MD A 1 6940 24. PRODUCING INTERVA 5745 - 6278	WPLETION: WORK CONOCO I FELEPHONE OF STE 10 CRESOT LOCA OF FNL & FYEL PROTECT OF FNL & FYEL PROTECT OF FNL & FYEL PROTECT OF TYPD 21. FE	NOR I	PLACE CASE WELL COLAND	MPLET DIFF REN TEXAS accordance UNIT L3	ION RY VR.	Other Souther Souther Souther Souther Souther Souther Souther Southern State Property State Prop	N ARLREA	ND LO	ED G * AM '9	8. FARM CHARREN U 9. API WELL 30-02 10. FIELD A WARREN 11. SEC. T., OR AREA	REEME OR LE T BI LNO. 25-32 NNO PO BLIL	ASE NAME, WELL NO LN/TUB WF #11
18. TYPE OF WELL b. TYPE OF COMPINEW WELL X 2. NAME OF OPERATOR 3. ADDRESS AND T 10 DESTA D 4. LOCATION OF WELL At surface 1930 At top prod. inter At total depth 15. DATE SPUDDED 6-4-94 20. TOTAL DEPTH, MD A: 6940 24. PRODUCING INTERVA 5745 - 6278 6348 - 6563 26. TYPE ELECTRIC AND CR/CBL. 28. CASING SIZE/GRADE	CONOCO I FELEPHONE OR STE 10 CRESTE	NC. NO. OW, MII tion clearty 1980 below	PLUG DICK	, TEXAS	F. 797	Other S Other A	ARL. REA :	ND LC 07 	M '9	8. FARM (WARREN U 9. API WELL 30-02 10. FIELD A WARREN 11. SEC. T., OR AREA	DR LET BILLING.	ASE NAME, WELL NO LN/TUB WF #11:
18. TYPE OF WELL b. TYPE OF COMPINEW WELL X 2. NAME OF OPERATOR 3. ADDRESS AND T 10 DESTA D 4. LOCATION OF WELL At surface 1930 At top prod. inter At total depth 15. DATE SPUDDED 6-4-94 20. TOTAL DEPTH, MD A: 6940 24. PRODUCING INTERVA 5745 - 6278 6348 - 6563 26. TYPE ELECTRIC AND CR/CBL. 28. CASING SIZE/GRADE	CONOCO I FELEPHONE OR STE 10 CRESTE	NC. NO. OW, MII tion clearty 1980 below	PLUG DICK	, TEXAS	F. 797	Other S Other A	ARL. REA 1	686-542	P. MA	8. FARM CONTROL OF API WELL 30-02 10. FIELD A WARREN 11. SEC. T., OR AREA	DR LE T. BI LNO. 25-32 ND PO BLIM	ASE NAME, WELL NO LN/TUB WF #11 2489 OL. OR WILDCAT
NEW WELL X 2. NAME OF OPERATOR 3. ADDRESS AND T 10 DESTA D 4. LOCATION OF WELL At surface 1930 At top prod. inter At total depth 15. DATE SPUDDED 6-4-94 20. TOTAL DEPTH, MD a 1 6940 24. PRODUCING INTERVA 5745 - 6278 I 6348 - 6563 26. TYPE ELECTRIC AND CR/CBL. 28. CASING SIZE/GRADE	CONOCO I FELEPHONE OR STE 10 CRESOT FOLL (Report local OF FNL & FVAI reported 16. DATE T.D. 6-26-9 TYD AL(B), OF THE	NC. NO. OW, MII stion clearty 1980 below	DLAND and in	TEXAS	S 797	Other OA	ARL. REAT	686-542	- CRS	8. FARM CONTROL OF API WELL 30-02 10. FIELD A WARREN 11. SEC. T., OR AREA	DR LE T. BI LNO. 25-32 ND PO BLIM	ASE NAME, WELL NO LN/TUB WF #11: 2489 OL, OR WILDCAT
2. NAME OF OPERATOR 3. ADDRESS AND T 10 DESTA D 4. LOCATION OF WELL At surface 1930 At top prod. Inter At total depth 15. DATE SPUDDED 19 6-4-94 20. TOTAL DEPTH, MD A 19 6940 24. PRODUCING INTERVA 5745 - 6278 1 6348 - 6563 1 26. TIPE ELECTRIC AND GR/CRI. 28. CASING SIZE/GRADE	CONOCO I FELEPHONE OR STE 10 C (Report local OF FNL & FYAI reported 16. DATE T.D. 6-26-9 TYD 21. PI AL(B). OF THE	NC. NO. OW, MII stion clearly 2 1980 below REACHED 4	DLAND and in FEL	. TEXAS	S 797	05 (9	REA : 15)-(9. API WELL 30-02 10. FIELD A WARREN 11. SEC. T., OR AREA	I BI LNO. 5-32 ND PO BLIN	LN/TUB WF #11 2489 OL. OR WILDCAT NEBRY/TUBB O&
3. ADDRESS AND T 10 DESTA DI 4. LOCATION OF WELL At surface 1930 At top prod. inter At total depth 15. DATE SPUDDED 6-4-94 20. TOTAL DEPTH, MD A 1 6940 24. PRODUCING INTERVA 5745 - 6278 I 6348 - 6563 26. TYPE ELECTRIC AND CR/CBI. 24. CASING SIZE/GRADE	FELEPHONE OR STE 10 (Report local O' FNL & rval reported 16. DATE T.D. 6-26-9 TVD 21. Pi	NO. OW, MII ition clearty 2 1980 below	FEL	accordance UNIT LI	r G	ny State r				9. API WELI 30-02 10. FIELD A WARREN 11. BEC. T., OR AREA	LNO. 5-32 ND PO BLII	2489 ol. or wildcat NEBRY/TUBB O&
10 DESTA DI 4. LOCATION OF WELL At SURFACE 1930 At top prod. Inter At total depth 15. DATE SPUDDED 6-4-94 20. TOTAL DEPTH, MD A 1 6940 24. PRODUCING INTERVA 5745 - 6278 6348 - 6563 26. TYPE ELECTRIC AND CR/CBL. 24. CASING SIZE/GRADE	OR STE 10 L (Report local O FNL & FVAI reported 16. DATE T.D. 6-26-9 TVD 21. PI	OW, MII stion clearly 1980 below	FEL	accordance UNIT LI	r G	ny State r			24	WARREN 11. BEC., T., OR AREA	BLII	OL. OR WILDCAT NEBRY/TUBB O&
4. LOCATION OF WELL At surface 1930 At top prod. Inter At total depth 15. DATE SPUDDED 1 6-4-94 20. TOTAL DEPTH, MD A 1 6940 24. PRODUCING INTERVA 5745 - 6278 I 6348 - 6563 5 26. TYPE ELECTRIC AND CR / CBI. 28. CASING SIZE/GRADE 1	I (Report local) O FNL & FVAI reported 16. DATE T.D. 6-26-9 TVD 21. PI	1980 below	FEL	accordance UNIT LI	r G	ny State r				WARREN 11. BEC., T., OR AREA	BLII	NEBRY/TUBB O&
At surface 1930 At top prod. inter At total depth 15. DATE SPUDDED 15 6-4-94 20. TOTAL DEPTH. MD A 5 6940 24. PRODUCING INTERVA 5745 - 6278 I 6348 - 6563 5 26. TYPE ELECTRIC AND CR /CBI. 18. CASING SIZE/GRADE	16. DATE T.D. 6-26-9 TYD 21. PI	2 1980 below	FEL 1	UNIT LT	rr ig			,		11. BEC., T., OR AREA	, R., М.	
At total depth 15. DATE SPUDDED 6-4-94 20. TOTAL DEPTH, MD A 1 6940 24. PRODUCING INTERVA 5745 - 6278 I 6348 - 6563 C 26. TYPE ELECTRIC AND GR /CRI. 13. CASING SIZE/GRADE	16. DATE T.D. 6-26-9 TVD 21. PI	REACHED 4	17. DAT	14. PES	LMIT NO					OR AREA	4	
15. DATE SPUDDED 6-4-94 20. TOTAL DEPTH, MD A 1 6940 24. PRODUCING INTERVA 5745 - 6278 I 6348 - 6563 7 26. TIPE ELECTRIC AND CR /CRI. 13. CASING SIZE/GRADE	6-26-9 TVD 21. PI	4	17. DAT	14. PES	MIT NO					7		
6-4-94 20. TOTAL DEPTH. MD A 1 6940 24. PRODUCING INTERVA 5745 - 6278 I 6348 - 6563 I 26. TYPE ELECTRIC AND GR/CBI. 83. CASING SIZE/GRADE	6-26-9 TVD 21. PI	4	17. PAT	14. PE	LMIT NO					SEC. 28	T-	-20S, R-38E
6-4-94 20. TOTAL DEPTH. MD A 1 6940 24. PRODUCING INTERVA 5745 - 6278 I 6348 - 6563 I 26. TYPE ELECTRIC AND GR/CRI. 28. CASING SIZE/GRADE	6-26-9 TVD 21. PI	4	17. DAT	ı			DAT	E ISSUED		12. COUNTY PARISH LEA	OR	13. STATE NM
20. TOTAL DEPTH, MD A 1 6940 24. PRODUCING INTERVA 5745 - 6278 I 6348 - 6563 C 26. TYPE ELECTRIC AND GR/CRI. 24. CASING SIZE/GRADE	TVD 21. PI		_	E COMPL. (Ready (18. EL	EVATIONS (DF, RKS, I	IT, GE, ETC.)*	19.	ELEV. CASINGHEAD
24. PRODUCING INTERVA 5745 - 6278 I 6348 - 6563 C 26. TYPE ELECTRIC AND CR/CRI. 28. CASING SIZE/GRADE			_	-24-94	IF MUI	TIPLE CO.		49; GL		DF 3548		
5745 - 6278 I 6348 - 6563 2 26. TYPE ELECTRIC AND GR/CBI. 28.		3899			HOW N	IAN T *	2		LLED BY	ROTARY TOO	DIS	CABLE TOOLS
GR/CBI. CASING SIZE/GRADE			0NTOP	, BOTTOM,	NAME (MD AND TO	D)*			······································	2	5. WAS DIRECTIONAL SURVEY MADE
GR/CBI. 28. CASING SIZE/GRADE	TUBB											NO
CASING SIZE/GRADE	D OTHER LOGE	RUN						· · · · · · · · · · · · · · · · · · ·			27. 1	VAS WELL CORED
			CASI	NG RECOR	PD / Pag	0.74 -17 -4-						NO
9.5/8	WEIGHT, LB	./FT. DI	PTH SE	T (MD)	Ho	LE SIZE	nge set		MENT, CEN	ENTING RECORD		AMOUNT PULLED
	36		150			1/4			700 S			
7	26		6940	<u> </u>	8	3/4	_		1304	SX		
							-					
29.		LINER RI	CORD				·- '	30.	T	UBING RECO	ORD	
8128 7	TOP (MD)	воттом	(MD)	SACKS CEN	HENT*	SCREEN	(MD)	SIZE		EPTH SET (K	D)	PACKER SET (MD)
	·							2 3/8		5713		6628
1. PERFORATION RECORD	D (Interval, s	ise and nun	nder)			32.	A	CID. SHOT	FRACTI	JRE, CEMENT	r som	EPZE PTC
SEE ATTACHED						DEPTH		L (MD)				MATERIAL USED
	D. ' (.					ļ			SEE A	TTACHED		
(Dual w/ I	Drimk	ared)						 -				
												
3.º ATS FIRST PRODUCTION	1 PROD	UCTION MET	HOD (F)	lossing age		UCTION						
8-25-94					OWIN		re and I	ype of pum	ip)	WELL	STATU	(Producing or DUCING
	OURS TESTED	CHOKI	SIZE	PROD'N.	FOR	OIL-BB(GAS-MC	r.	WATER-BBL.		GAS-OIL BATIO
9-5-94	24	64/		TEST PE	→	177		268	9	20		15,192
50	900		LATED UR RATE	17		GAS	-мст. 2689		WATER		OIL GI	38.9
. DISPOSITION OF GAS (fuel, vente	d, etc.)	1 +1	'					TEST WITNES	arn »	
SOLD 5. LIST OF ATTACHMENT	TS									J. BLACK		
								SV				
5. I hereby certify that	t the foregoin	g and attac	ched inf	ormation is				determine	d from a	ll available re	cords	
SIGNED THE	0-11		> /		~~			LYST				

SAN ANDRES 4020 4340 DOLANITE & SS. VISIBLE O. INTERCRYSTELINE YATES 2680	37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity drill-stem, tests, including depth interval tested, cushion used, time recoveries):	OUS ZONES: (St	now all important terval tested, cu		38. GEOI	GEOLOGIC MARKERS	ď
ANDRES 4020 4340 DOLOMITE & SS. VISIBLE O. INTERCRYSTELINE GOOD TO FAIR CUT GOOD TO FAIR CUT STEPA 5115 5260 DOLOMITE & SS. BLDG GAS. CUT FILIG BEBRY 5864 5910 DOLOMITE & SS. BLDG GAS. CUT FILIG BEBRY 5965 6028 DOLOMITE. VIS O. STREAMING CUT. SMP FILI. GOLOMITE. VIS O. STREAMING CUT. SMP FILI. GOLOMITE & LINESTONE. VOS O. SPOTTY STN. SAMPLE & CUT FILI. BLINEBRY 6510 6650 DOLOMITE VIS O. STREAMING CUT. SMP FILI. GLORIETA BLINEBRY MKR TUBB MKR DRINKARD ABO ABO	FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME		. – – ;
RIETA 5115 5260 DOLOMITE, DULL YELLOW FLU. 1515 5580 DOLOMITE, DULL YELLOW FLU. 1515 5580 DOLOMITE, SS. BLDG GAS. CUT FLUG PENROSE 1515 5580 DOLOMITE, BLDG GAS. STRANING CUT 1515 5580 DOLOMITE, VIS O. STREANING CUT. SMP FLU. 1516 6529 DOLOMITE, VIS O. STREANING CUT. SMP FLU. 1517 6510 6850 DOLIMITE & LINESTONE, VOS O. SPOTTY STN. 1518 MCR 1518 5280 DOLOMITE, VIS O. STREANING CUT. SMP FLU. 1518 GRAYBURG 1518 GRAYB		4 020	4340	0.	YATES	2690	
5115 5260 DOLOMITE, DULL YELLOW FLU. 5375 5580 DOLOMITE & SS. BLDG GAS, CUT FLUG 5884 5910 DOLOMITE, BLDG GAS, STRANING CUT 5865 6028 DOLOMITE, VIS O, STREAMING CUT, SWP FLU. 6150 6290 DOLOMITE, VIS O, STREAMING CUT, SWP FLU. 6510 6850 DOLIMITE & LINESTONE, VOS O, SPOTTY STN. SAMPLE & CUT FLU. TUBB MKR DRINKARD ABO ABO		1	, (SEVEN RIVERS	2930	
5375 5580 DOLOMITE & SS. BLDG GAS. CUT FLUG 5864 5910 DOLOMITE. VIS O. STREAMING CUT. SMP FLU. 6150 6290 DOLOMITE. VIS O. STREAMING CUT. SMP FLU. 6510 6850 DOLOMITE & LINESTONE. VOS O. SPOTTY SIN. SAMPLE & CUT FLU. TUBB MKR DRINKARD ABO ABO	ATH I GO	5115	5260	DOLOMITE, DULL YELLOW FLU.	QUEEN	3513	
5864 5910 DOLOMITE, BLDG GAS, STRANING CUT 5865 6028 DOLOMITE, VIS O, STREAMING CUT, SMP FLU. 6150 6290 DOLIMITE & LINESTONE, VOS O, SPOTTY STN. SAMPLE & CUT FLU. SAMPLE & CUT FLU. GRAYBURG SAN ANDRES. GLORIETA DRINKARD ABO ABO	OPTRICA	5375	5580	DOLOMITE & SS. BLDG GAS, CUT FLUG	PENROSE	3664	
5865 6028 DOLOMITE, VIS O, STREAMING CUT, SMP FLU. 6150 6290 DOLOMITE VIS O, STREAMING CUT, SMP FLU. 6510 6850 DOLIMITE & LINESTONE, VOS O. SPOTTY STN. SAMPLE & CUT FLU. DRINKARD ABO ABO	TNEBAN	5884	5910	DOLOMITE, BLDG GAS, STRANING CUT	GRAYBURG	3853	
6290 DOLOMITE, VIS O. STREAMING CUT. SMP FIJJ. 6510 6850 DOLIMITE & LINESTONE, VOS O. SPOTTY STN. SAMPLE & CUT FLU. DRINKARD ABO ABO	INFERV	5865	6028	VIS O, STREAMING CUT.	SAN ANDRES	4074	
6510 6850 DOLIMITE & LINESTONE, VOS O. SPOTTY STN. SAMPLE & CUT FLU. TUBB MKR DRINKARD ABO	INEBRY	6150	6290		GLORIETA	5359	
SAMPLE & CUT ELU. TUBB MKR DRINKARD ABO	INEBRY	6510	6850	DOLIMITE & LINESTONE, VOS O. SPOTTY STN.	BLINEBRY MKR	5803	
DRINKARD ABO		,		SAMPLE & CUT FLU.	TUBB MKR	6290	
					DRINKARD	6562	
					ABO		
						Ş	

LEASE NO: LC 031695B

LEASE NAME & WELL NO: WARREN UNIT #112

API #: 30-025-32489

COUNTY & STATE: LEA, NM

PERFORATION RECORD (INTERVAL, SIZE & NUMBER) LINE 31:

PERF TUBB W/1 JSPF @ 6348, 6356, 6359, 6364, 6372, 6381, 6384, 6396, 6404, 6413, 6420, 6434, 6439, 6443, 6446, 6480, 6459, 6470, 6474, 6481, 6496, 6501, 6505, 6514, 6518, 6523, 6526, 6537, 6553 & 6563.

PERF BLINEBRY 4&5 W/ 1 JSPF @ 6089, 6095, 6102, 6108, 6112, 6119, 6157, 6169, 6173, 6181, 6188, 6197, 6202, 6209, 6216, 6221, 6224, 6230, 6234, 6238, 6242, 6246, 6249, 6258, 6270 & 6278.

PERF BLINEBRY 1-3 W/ 1 JSPF @ 5745, 5748, 5752, 5756, 5759, 5764, 6766, 6775, 6778, 6785, 5790, 5793, 5796, 5804, 5808, 5816, 5870, 5876, 5883, 5895, 5898, 5910, 5953, 5970, 5985, 5996, 6002 & 6012.

LINE 32: ACID, SHOT, FRACTURE, CEMENT SQUEEZ3, ETC.

DEPTH INTERVAL

DEPTH INTERVAL	AMOUNT AND KIND OF MATERIAL USED
6348 - 6563	SPEARHEAD 3500g 15% NEFE HCL FOLLOWED BY 15,000g SPECTRA G-3500 DUMMY FRACTAGGED W/RAM @ 55 BPM. FRAC W/ 79,000g SPECTRA G-3500 & 140,000# 16/30 OTTOWA SAND & 93,000# RCS TAGGED W/ RAM.
6089 - 6278	PUMP 15,000g SPECTRA G-3500 DUMMY FRAC TAGGED W/ RAM. FRAC W/ 101,000g SPECTRA G-3500 & 193,000# 16/30 OTTOWA SAND & 42,000#16/30 STRATAFLEX PCS TAGGED W/ RAM.

5745 - 6012FRAC W/ 106,000g SPECTRA G-3500 & 207,050# 16/30 OTTOWA SAND & 101,125# 16/30 RCS.

RAILROAD COMMISSION OF TEXAS

Form W-12

· ·		OIL AND	GAS DIVISION		(1-1-7)	
,						
	(One Copy	Must Be Filed With Each C	EPORT	•	7. RRC Lesse Number (Oli completions onl	
1. FIELD NAME (as	1. FIELD NAME (as per RRC Records or Wildest) 2. LEASE NAME					
1 00000	Warren Unit					
_						
Conoco, Inc.				9. RRC identification Number (Gas completions on		
10 Desta Drive	e West Midlar	nd. TX 79705			10. County	
5. LOCATION (Section 5	n, Block, and Survey)	35.5			_	
	, T-205, T				Lea	
······································		RECORD OF	INCLINATION	N	•	
*11. Measured Depth (feet)	12. Course Length (Hundreds of feet)	*13. Angle of Inclination (Degrees)	14. Displacement per Hundred Feet (Sine of Angle X100)	15. Course Displacement (feet)	16. Accumulative Displacement (feet)	
191	191	1/2	.88	1.68	1.68	
436	245	1	1.75	4.29	5.97	
934	498	1 1/4	2.19	10.91	16.88	
1186	252	1 1/4	2.19	5.52	22.40	
1501	315	1	1.75	5.51	27.91	
1988	487 -	1 1/2	2.63	12.81	40.72	
2488	500	2	3.50	17.50	58.22	
2769	281	1	1.75	4.92	63.14	
3269	500	1	1.75	8.75	71.89	
3500	231	1	1.75	4.04	75.93	
3988	488	3/4	1.31	6.39	82.32	
4559	571	1	1.75	9.99	92.31	
4929	370	2	3.50	12.95	105.26	
5392	463	1 3/4	3.06	14.17	119.43	
5869	477	1 3/4	3.06	14.60	134.03	
6440	57I	1 1/4	2.19	12.50	146.53	
If additional space	ce is needed, use the	reverse side of this form				
	n shown on the revers		XX yes 🔲 no	1		
ls. Accumulative tot	al displacement of we	ll bore at total depth of	6940	feet = 157.48	[eet.	
19. Inclination meast	rements were made in	- Tubing	Casing [Open hole		
U. Distance from su	rface location of well	to the nearest lease line				
	. to redee time so bies	curred by trend tries " -				
•		TOWESTER GRANNIEG ILOM [U	P VERICAL IN ANY MANA		no	
(If the answer to	the above question is	"yes", attach written e	xplanation of the circus	mstances.)		
HCLINATION DATA			OPERATOR CERTIFIC	TATION	···	
I declare under pen Resources Code, that I	alties prescribed in Sec	this certification, that I	Resources Code that	naities prescribed in Se	c. 91.143, Texas Natural	
ides of this form and it	The same of the case of the ca	and lacia blaced on both	have personal knowled	TO OF THE PARTY OF	w this certification, that [
lete to the best of mu	knowledge. This certifi	re une, conect, and com-	Complete to the hear o	/ my beauted mi	form are true, correct, and	
)		on this form.	asterisks (*) by the ite	ted herein except inclin m numbers on this form.	ertification covers all data ation data as indicated by	
mon	Representative					
		· · · · · · · · · · · · · · · · · · ·	Signature of Authorized Representative			
ame of Person and Titl	1-President					
razeal, Incd	l/b/a CapStar D	rilling	Name of Person and Tit	ile (type or print)		
ma or Combanh			Operator			
	727-8367		Telephone: Area Code			
ailroad Commission U	ise Only:	•				
pproved By:			1:	55 _ 4 .		
Designates items certif	fied by company that con	ducted the inclination surv	•	Date:		

STATE OF TEXAS }
COUNTY OF COLLIN }

The attached instrument was acknowledged before me on the 7th day of <u>September</u>, 1974 by James L. Brazeal as

President of BRAZEAL, INC. d/b/a CapStar Drilling.

PAULA CARLISLE
MY COMMISSION EXPIRES
January 11, 1997

Paula Carlisle - Notary Public

My commission expires: January 11, 1997