

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE

NEW OIL &amp; GAS PERMIT

Drawn 00

FORM APPROVED

OMB NO. 1004-0137

Expires: February 28, 1995

## WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. TYPE OF WELL:		OIL WELL <input checked="" type="checkbox"/>	GAS WELL <input type="checkbox"/>	DRY <input type="checkbox"/>	Other <input type="checkbox"/>		
b. TYPE OF COMPLETION:		NEW WELL <input checked="" type="checkbox"/>	WORK OVER <input type="checkbox"/>	DEEP EN <input type="checkbox"/>	PLUG BACK <input type="checkbox"/>	DIFF. REVR. <input type="checkbox"/>	Other <input type="checkbox"/>
2. NAME OF OPERATOR Collins & Ware, Inc.						OCT 26 1993	
3. ADDRESS AND TELEPHONE NO. 303 W. Wall, Ste. 2200, Midland, TX 79701, 915-687-3435							
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface 2310' FNL & 660' FWL							
At top prod. interval reported below 2310' FNL & 660' FWL							
At total depth 2310' FNL & 660' FWL							
14. PERMIT NO.				DATE ISSUED 8-17-93			
15. DATE SPUDDED 8-23-93				16. DATE T.D. REACHED 9-5-93		17. DATE COMPL. (Ready to prod.) 10-1-93	
18. ELEVATIONS (DP, RKB, RT, GE, ETC.)* 3313 GR				19. ELEV. CASINGHEAD			
20. TOTAL DEPTH, MD & TVD 5040		21. PLUG BACK T.D., MD & TVD 2750		22. IF MULTIPLE COMPL., HOW MANY*		23. INTERVALS	
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD) 2537-50', 2560-65' DELAWARE				25. WAS DIRECTIONAL SURVEY MADE			
26. TYPE ELECTRIC AND OTHER LOGS RUN DLL, CNLD				27. WAS WELL CORRED Sidewall			
28. CASING RECORD (Report all casing)							
CASING SIZE/GRADE		WEIGHT, LB./FT.		DEPTH SET (MD)		HOLE SIZE	
13 3/8		54.5		339		17 1/2	
8 5/8		24		1610		11	
5 1/2		15.5		2750		11	
29. LINER RECORD		30. TUBING RECORD		31. PERFORATION RECORD (Interval, size and number)		32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.	
SIZE		TOP (MD)		BOTTOM (MD)		BACKS CEMENT*	
SCREEN (MD)		SIZE		DEPTH SET (MD)		PACKER SET (MD)	
2 3/8		2506					
2537-50', 2560-65'; 2 JSPF		2537-50, 60-65'		17000 gal/YF 130 & 42000# sand (20/40)			
33. PRODUCTION							
DATE FIRST PRODUCTION 10-1-93		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Pump; 2 X 1 1/2 X 16' dbl vlv pump				WELL STATUS (Producing or shut-in) Producing	
DATE OF TEST 10-1-93		HOURS TESTED 24		CHOKE SIZE 80		GAS—MCF. 12	
FLOW. TUBING PRESS.		CASING PRESSURE		CALCULATED 24-HOUR RATE		WATER—BBL. 62	
OIL—BBL.		GAS—MCF.		WATER—BBL.		OIL GRAVITY-API (CORR.) 150-1	
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Sold						TEST WITNESSED BY Bill Carlton	
35. LIST OF ATTACHMENTS logs, inclination report							
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records							
SIGNED <u>Max Guerry</u>		TITLE <u>Regulatory Mgr.</u>		DATE <u>9-13-93</u>			

(See Instructions and Spaces for Additional Data on Reverse Side)

38.

## GEOLOGIC MARKERS

Delaware	1720
Cherry Canyon Basal	2448
Brushy	4583
Bone Springs	4906

# RAILROAD COMMISSION OF TEXAS OIL AND GAS DIVISION

Form W-12  
(1-1-71)

<b>INCLINATION REPORT</b> (One Copy Must Be Filed With Each Completion Report.)		6. RRC District
1. FIELD NAME (as per RRC Records or Wildcat) Happy Valley Delaware		7. RRC Lease Number. (Oil completions only)
2. LEASE NAME Sheep Draw Federal		8. Well Number 5
3. OPERATOR Collins & Ware, Inc.		9. RRC Identification Number (Gas completions only)
4. ADDRESS 303 W. Wall, Ste. 2200 Midland, Tx 79701		10. County Eddy
5. LOCATION (Section, Block, and Survey) E, Sec. 33, T22S, R26E		

## RECORD OF INCLINATION

*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)
196	196	1 1/2	.88	1.72	1.72
339	143	1 3/4	3.06	4.37	6.09
641	302	1 3/4	3.06	9.24	15.33
1128	487	3/4	1.31	6.37	21.70
1610	482	3	5.25	25.30	47.00
1851	241	2	3.50	8.43	55.43
2350	499	1 1/4	2.19	10.92	66.35
2845	495	1 1/2	2.63	13.01	79.36
3340	495	3 1/2	6.13	30.34	109.40
3740	400	2 1/2	4.38	17.52	127.22
4145	405	2 1/2	4.38	17.73	144.95
4392	247	2 1/2	4.38	10.81	155.76
4892	500	1 1/2	2.63	13.15	168.91

If additional space is needed, use the reverse side of this form.

17. Is any information shown on the reverse side of this form? ☐ yes ☒ no
18. Accumulative total displacement of well bore at total depth of 4892 feet = 168.91 feet.
- \*19. Inclination measurements were made in - ☐ Tubing ☐ Casing ☐ Open hole ☒ Drill Pipe
20. Distance from surface location of well to the nearest lease line \_\_\_\_\_ feet.
21. Minimum distance to lease line as prescribed by field rules \_\_\_\_\_ feet.
22. Was the subject well at any time intentionally deviated from the vertical in any manner whatsoever? NO
- (If the answer to the above question is "yes", attach written explanation of the circumstances.)

<p><b>INCLINATION DATA CERTIFICATION</b></p> <p>I declare under penalties prescribed in Sec. 91.143, Texas Natural Resources Code, that I am authorized to make this certification, that I have personal knowledge of the inclination data and facts placed on both sides of this form and that such data and facts are true, correct, and complete to the best of my knowledge. This certification covers all data as indicated by asterisks (*) by the item numbers on this form.</p> <p><i>James L. Brazeal</i> _____ Signature of Authorized Representative</p> <p><u>James L. Brazeal-President</u> _____ Name of Person and Title (type or print)</p> <p><u>Brazeal, Inc.-d/b/a CapStar Drilling</u> _____ Name of Company</p> <p>Telephone: <u>214</u> <u>727-8367</u> _____ Area Code</p>	<p><b>OPERATOR CERTIFICATION</b></p> <p>I declare under penalties prescribed in Sec. 91.143, Texas Natural Resources Code, that I am authorized to make this certification, that I have personal knowledge of all information presented in this report, and that all data presented on both sides of this form are true, correct, and complete to the best of my knowledge. This certification covers all data and information presented herein except inclination data as indicated by asterisks (*) by the item numbers on this form.</p> <p><i>Max Guerry</i> _____ Signature of Authorized Representative</p> <p><u>Max Guerry</u> <u>Regulatory Mgr.</u> _____ Name of Person and Title (type or print)</p> <p><u>Collins &amp; Ware, Inc.</u> _____ Operator</p> <p>Telephone: <u>915</u> <u>687-3435</u> _____ Area Code</p>
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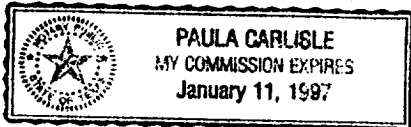
Railroad Commission Use Only:

Approved By: \_\_\_\_\_ Title: \_\_\_\_\_ Date: \_\_\_\_\_

\* Designates items certified by company that conducted the inclination surveys.

STATE OF TEXAS    }  
                             }  
COUNTY OF COLLIN }

The attached instrument was acknowledged before me on the  
7th day of Sept, 1993 by James L. Brazeal as  
President of BRAZEAL, INC. d/b/a CapStar Drilling.



Paula Carlisle  
Paula Carlisle - Notary Public

My commission expires:  
January 11, 1997