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Form 9-330
(Rev. 5-63)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE*

(See other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R355.5.

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

1a. TYPE OF WELL:		OIL WELL ☐	GAS WELL ☒	DRY ☐	Other _____		
b. TYPE OF COMPLETION:		NEW WELL ☒	WORK OVER ☐	DEEP-EN ☐	PLUG BACK ☐	DIFF. RESVR. ☐	Other _____
2. NAME OF OPERATOR Texas Oil & Gas Corp. ✓						JUL 23 1973	
3. ADDRESS OF OPERATOR P. O. Box 634, Midland, Texas 79701						E. C. C. ARTESIA OFFICE	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements) At surface 1650' FNL, 1980' FEL At top prod. interval reported below At total depth						14. PERMIT NO. _____ DATE ISSUED 3-19-73	
15. DATE SPUNDED 3-28-73	16. DATE T.D. REACHED 5-22-73	17. DATE COMPL. (Ready to prod.) 6-12-73		18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 3293 KB		19. ELEV. CASINGHEAD GL 3279	
20. TOTAL DEPTH, MD & TVD 11,700		21. PLUG BACK T.D., MD & TVD 11,645		22. IF MULTIPLE COMPL., HOW MANY* →		23. INTERVALS DRILLED BY 0-TD	
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* Morrow 11,518-11,636						25. WAS DIRECTIONAL SURVEY MADE No	
26. TYPE ELECTRIC AND OTHER LOGS RUN CN/FD, DLL, MLL						27. WAS WELL CORRED No	
28. CASING RECORD (Report all strings set in well)							
CASING SIZE		WEIGHT, LB./FT.		DEPTH SET (MD)		HOLE SIZE	
13 3/8		43		458		17 1/2	
8 5/8		24 & 32		3199		12 1/4	
4 1/2		11.5 & 13.6		11,700		7 7/8	
				DV tool & \$495		2nd stage - 800 sx	
						1st stage - 850 sx	
						2000 sx	
						410 sx	
29. LINER RECORD							
SIZE		TOP (MD)		BOTTOM (MD)		SACKS CEMENT*	
						SCREEN (MD)	
30. TUBING RECORD							
SIZE		DEPTH SET (MD)		PACKER SET (MD)			
2 3/8		11,450		11,450			
31. PERFORATION RECORD (Interval, size and number)							
11,625-35 2-3/8" JSPF							
32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.							
DEPTH INTERVAL (MD)				AMOUNT AND KIND OF MATERIAL USED			
				None			
33. PRODUCTION							
DATE FIRST PRODUCTION 5-29-73		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Flowing					
DATE OF TEST 6-12-73		HOURS TESTED 1		CHOKE SIZE 1/4		PROD'N. FOR TEST PERIOD →	
FLOW. TUBING PRESS. 2774		CASING PRESSURE Packer		CALCULATED 24-HOUR RATE →		OIL—BBL. 0	
						GAS—MCF. 772	
						WATER—BBL. 0	
						OIL GRAVITY-API (CORR.) 0	
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Vented						TEST WITNESSED BY J. R. Colter	
35. LIST OF ATTACHMENTS Stage cement information							
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records							
SIGNED J. R. Colter		TITLE Petroleum Engineer				DATE 7-16-73	

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

INSTRUCTIONS

General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 33.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments. **Items 22 and 24:** If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

Item 29: "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

Item 33: Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

37. SUMMARY OF POROUS ZONES: SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CORED INTERVALS; AND ALL DEPTH-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES				38. GEOLOGIC. MARKERS		
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	MEAS. DEPTH	TRUE VERT. DEPTH
Wolfcamp	10,107	10,177	DST #1 60" test. GTS 10", 350 MCFD. Rec 330' cond, 48 grav @ 58". 120' HMC cond. 60" ISIP 4969, IFP 170, 60" FFP 189, 60" PSIP 4399	Wolfcamp	9,274	9,258
Marrow	11,190	11,342	DST #2 60" test, 1200' WB. GTS 40" TSTM. Rec 1200' WB + 360' DM. 90" ISIP 3752, IFP 662, 60" FFP 681, 90" PSIP 4722	Strawn	10,340	10,323
Marrow	11,348	11,490	DST #3 60" test, 1200' WB. Rev out due to backside kicking. No rec. 60" ISIP 1439, IFP 643, 60" FFP 643, 90" PSIP 1382	Aboka	10,668	10,651
Marrow	11,610	11,700	DST #4 60" test, 1200' WB. GTS 15", 1.6 MCF. Rec 1200' WB, 270' WBCDM. 90" ISIP 4816, IFP 719, FFP 1075, PSIP 4816	Marrow Sand	11,180	11,167
Marrow	11,550	11,610	DST #5 90" test, 1200' WB. GTS 30", 30 MCF. Rec 10,000' Fm wtr, 1200' WB. 60" ISIP 4703, IFP 3486, 90" FFP 4646, 60" PSI 4703	Marrow Sh	11,518	11,499
Marrow	11,490	11,550	DST #6 Packer failed	Upper Mies	11,636	11,623

LEASE NAME SUPERIOR FEDERAL WELL NO. 1 FIELD NAME _____
 OPERATOR TEXAS OIL & GAS CORP. LOCATION ENDY COUNTY, NEW MEXICO

Well Depth (feet)	Inclination (degrees)	Interval (feet)	Accumulative Inclination (degrees)
0			
163	1.03	3/4	.44
166	.63	1/4	.44
222	.56	1/2	.87
473	2.51	3/4	1.31
670	2.97	1/2	.87
877	2.07	3/4	.31
968	.91	1	1.75
1165	1.97	3/4	.31
1377	2.12	3/4	.31
1573	2.01	1/2	.87
1770	1.92	1/2	.87
2355	5.35	3/4	.31
2675	3.20	1/2	.87
3200	5.25	1-1/4	2.18
3356	1.56	3/4	1.31
3898	5.42	3/4	1.31
4357	4.53	1/2	.87
5390	10.39	3/4	1.31
6049	6.59	1	1.75
6550	5.01	1-1/4	2.18
6998	4.49	1/2	.87
7614	6.15	2	3.49
8115	5.01	2	3.49
8622	5.07	2-1/2	4.36
9065	4.43	2-1/4	3.93
9084	.19	2-1/2	4.36
9691	6.07	2-1/2	4.36
10161	4.70	1-1/2	2.62
10,690	5.29	3/4	1.31
11342	6.52	3/4	1.31
11490	1.48	3/4	1.31
11700	2.10	1/2	.87

INCLINATION DATA CERTIFICATION

I declare that I am authorized to make this certification, that I have personal knowledge of the inclination data and that such data is as true, correct and complete to the best of my knowledge.

B. E. Burton
 B. E. BURTON, CONTRACT MANAGER
 HARTON DRILLING COMPANY

STATE OF TEXAS
 COUNTY OF ECTOR

Sworn and subscribed to before me this 18TH day of JULY, 1973.

Marilyn Matherlin
 Marilyn Matherlin, Notary Public in

copy - -
C - 22.

N. C. C. COPY
NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

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Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 6-12-73		JUL 23 1973	
Company Texas Oil & Gas Corp.				Connection none			
Pool Wildcat				Formation Morrow		Unit O.E.G. ARTESIA, OFFICE	
Completion Date 5-29-73		Total Depth 11,700'		Plug Back TD 11,645'		Elevation 3293 KB	
Farm or Lease Name Superior-Federal				Well No. 1			
Csg. Size 4 1/2	Wt. 11.6	Set At 11,700'	Perforations: From 11,625 To 11,645		Unit Sec. Twp. Rye. 6 8 20-S 29-E		
Tbg. Size 2 3/8	Wt. 4.7	Set At 11,450	Perforations: From To		County Eddy		
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At 11,450'		State New Mexico	
Producing Thru Tubing		Reservoir Temp. °F	Mean Annual Temp. °F 60	Baro. Press. - P _a 13.2		Office Meter Run Taps	
L 11,450	H 11,450	G _g 0.588	% CO ₂ 0.10	% N ₂ 0.91	% H ₂ S -	Office well tester	

FLOW DATA						TUBING DATA		CASING DATA		Duration of Flow	
NO.	Prover Line Size	X	Orifice Size	Press. XXXX hg	Diff. hw	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.		Temp. °F
SI							3306		Packer		12 days
1.	2	1	1 1/2	7"		88	2140	85	Packer		60"
2.	2	1	1 1/2	15"		75	2028	78	Packer		60"
3.	2	1	1 1/2	27"		60	1660	74	Packer		60"
4.	2	1	1 1/2	41"		77	1279	79	Packer		60"
5.											

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure Hg XXX	Flow Temp. Factor Ft.	Gravity Factor Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mcfd
1	781		7"	.9741	1.0151	1.0	772
2	1185		17"	.9859	1.0151	1.0	1186
3	1674		27"	1.0000	1.0151	1.0	1699
4	2172		41"	.9841	1.0151	1.0	2170
5							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio Dry Mcf/bbl.
1	3.20	545	1.56	0.806	A.P.I. Gravity of Liquid Hydrocarbons None Deg.
2	3.04	547	1.56	0.804	Specific Gravity Separator Gas 0.588 XXXXXXXXXX
3	2.49	534	1.53	0.807	Specific Gravity Flowing Fluid XXXXX
4	1.92	539	1.54	0.843	Critical Pressure 672 P.S.I.A. P.S.I.A.
5					Critical Temperature 360 R R

P _c 3319.2 P _c ² 11,017.1				
NO.	P _r ²	P _w	P _w ²	P _c ² - P _w ²
1	2725	2774.3	7697	3320
2	2354	2366.9	5602	5415
3	1886	1940.9	3767	7250
4	1279	1322.9	1750	9267
5				

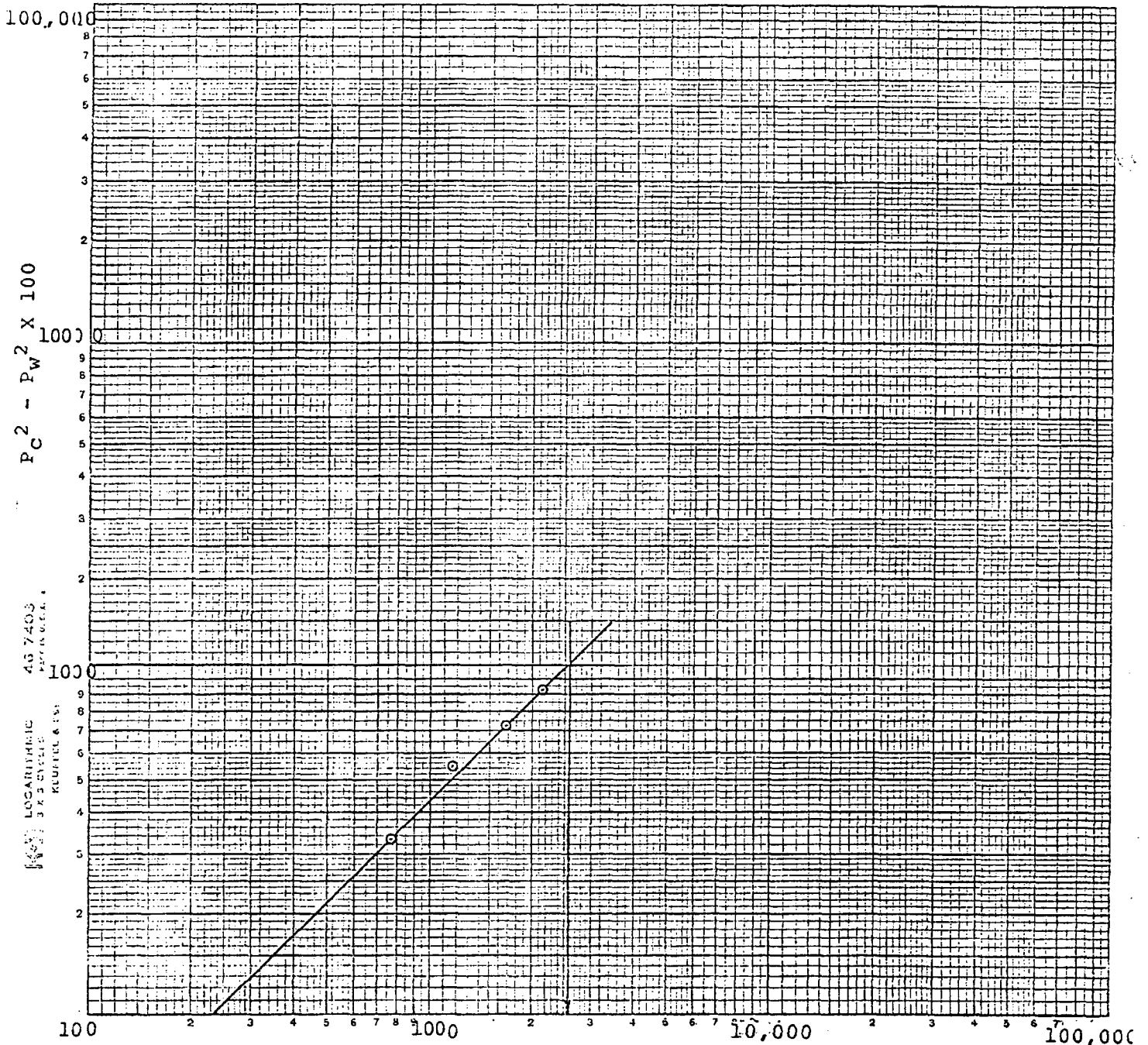
(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 3.318$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 3.318$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2561$ **RECEIVED JUL 20 1973**

Absolute Open Flow 2561 Mcfd @ 15.025	Angle of Slope 45	Slope, n 1.000
Remarks:		
Approved By Commission:	Conducted By: <i>[Signature]</i>	Calculated By:
	Checked By:	

N. M. O. S. S.

Texas Oil & Gas Corp.
Superior Federal #1
Wildcat
Eddy County, New Mexico



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JUL 20 1973

LOGARITHMIC SURVEY
Eddy County, New Mexico

Q (MCFD)

CAOF = 2561

$\theta = 45^\circ$

n = 1