

Forest Oil Corporation, P.O. Box 153, Odessa, Texas 79760

$P_1 = 1024.0$
 $P_2 = 1000$
 $P_3 = 1000$

① $P_1 - P_2 = 24.0$
 ② $P_2 - P_3 = 0$
 ③ $P_1 - P_3 = 24.0$

$1000 - 1000 = 0$
 $1000 - 1000 = 0$
 $1000 - 1000 = 0$

(4)

(5)

(6)

WORKSHEET FOR CALCULATION OF STC COLUMN WELLHEAD PRESSURE (P_w)

OC-122D
As applied 9-1-65

COMPANY Forest Oil Corporation LEASE Haystack "A" Federal WELL NO. 1 DATE 7/23/71
 LOCATION: Unit 5,696 Section 28 Township 6-S Range Test Date 7/20/71

L 5,696 H 5,696 L/H 1.000 G 0.7336 % CO₂ nil % N₂ 0.04 % H₂S nil

d 1.995 F_i .018231 GH 4179 P_{cr} 662 T_{cr} 398
 1st Rate 2nd Rate 3rd Rate 4th Rate

LINE	1st Trial	2nd Trial	3rd Trial	4th Trial	1st Rate	2nd Rate	3rd Rate	4th Rate
1 Q _m	1.037	1.620	2.045	3.101	1.037	1.620	2.045	3.101
2 T _w (W.H. °R)	535	535	535	535	535	535	535	535
3 T _s (B.H. °R)	596	596	596	596	596	596	596	596
4 T = ($\frac{T_w + T_s}{2}$)	566	566	566	566	566	566	566	566
5 Z (Est.)	0.784	0.790	0.792	0.792	0.784	0.786	0.789	0.798
6 TZ	443.7	447.1	448.3	448.3	443.7	444.9	446.6	448.3
7 GH/TZ	9.419	9.347	9.322	9.322	9.419	9.393	9.357	9.322
8 e ^s (Table XIV)	1.424	1.420	1.418	1.418	1.424	1.422	1.421	1.418
9 1-e ^s (Table XIV)	0.298	0.296	0.295	0.295	0.298	0.297	0.296	0.295
10 P _t	1878.2	1836.2	1804.2	1713.2	1878.2	1836.2	1804.2	1713.2
11 P _t 2/1000	3527.6	3371.6	3255.1	2935.1	3527.6	3371.6	3255.1	2935.1
12 F _t (Table XV)	.018231	.018231	.018231	.018231	.018231	.018231	.018231	.018231
13 F _c = F _t TZ	8.089	8.151	8.173	8.142	8.089	8.111	8.142	8.235
14 F _c Q _m	8.39	13.20	16.71	25.34	8.39	13.14	16.65	25.54
15 L/H (F _c Q _m) ²	70.39	174.24	279.22	642.12	70.39	172.66	277.22	652.29
16 F _w = L/H (F _c Q _m) ² (1-e ^{-s})	20.9C	51.58	82.37	189.43	20.9C	51.28	82.06	191.12
17 P _w ² = P _t ² + F _w	3548.6	3423.2	3337.5	3124.5	3548.6	3422.9	3337.2	3126.2
18 P _s ² = e ^s P _w ²	5053.2	4860.9	4732.6	4430.5	5053.2	4867.4	4742.2	4423.6
19 P _s	710.2	697.8	687.9	665.7	710.2	697.7	688.6	665.1
20 P = ($\frac{P_t + P_s}{2}$)	1294.2	1267.0	1246.6	1190.0	1294.2	1267.0	1246.4	1189.2
21 P _i = (P/P _{cr})	1.94	1.90	1.87	1.78	1.94	1.90	1.87	1.78
22 T _i = (T/T _{cr})	1.42	1.42	1.42	1.42	1.42	1.42	1.42	1.42
23 Z (Table XI)	0.784	0.786	0.789	0.798	0.784	0.786	0.789	0.798

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY(See other in-
structions on
reverse side)

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
Forest Oil Corporation

3. ADDRESS OF OPERATOR

P.O. Box 153, Odessa, Texas 79760

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)
At surface 710' PNL & 1,980' PNL

At top prod. interval reported below

At total depth

14. PERMIT NO.

DATE ISSUED

June 14, 1971

10. FIELD AND POOL, OR WILDCAT

Haystack Cisco Gas

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA

Sec. 28, T-6-S, R-27-E

NMPH

12. COUNTY OR PARISH

Chaves

13. STATE

New Mexico

15. DATE SPUDDED
6/21/7116. DATE T.D. REACHED
7/10/71

17. DATE COMPL. (Ready to prod.)

18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*

471

19. ELEV. CASINGHEAD

4071

20. TOTAL DEPTH, MD & TVD
629421. PLUG, BACK T.D., MD & TVD
596422. IF MULTIPLE COMPL.,
HOW MANY*23. INTERVALS
DRILLED BY

ROTARY TOOLS

CABLE TOOLS

0 - TD

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*

Cisco 5,793-5850'

25. WAS DIRECTIONAL
SURVEY MADE

No

26. TYPE ELECTRIC AND OTHER LOGS RUN

GR/A, Guard, Foroxo

RECEIVED

CASING RECORD (Report all strings set in well)				CEMENTING RECORD		AMOUNT PULLED
CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE			
8-5/8"	24#	1295	11"	250 HLM + 250 "C"		
4-1/2"	9.5#	6041	7-7/8"	250 ex class "C" Neat		

JUL 27 1971

N. C. C.

ARTESIA, OFFICE

LINER RECORD					TUBING RECORD		
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2-3/8	5686	5686

31. PERFORATION RECORD (Interval, size and number)
1 hole/ft - 5796-98, 5802-05, 5819-24,
5830-32, 16 holes

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
5796-5832	100 gal acetic
5796-5832	1000 gal 15% NMA

33.*		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)				WELL STATUS (Producing or shut-in)	
DATE FIRST PRODUCTION		Flowing				Shut in	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
7/20/71	1	20/64"					
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	
1700	-		28,374				
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)				TEST WITNESSED BY			
Vented							

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED

Howard Baker

TITLE Engineer

DATE 7/23/71

*(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.

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. 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 DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES			38. GEOLOGIC MARKERS		
FORMATION	TOP	BOTTOM	NAME	MEAS. DEPTH	TRUE VERT. DEPTH
Cisco	5793	5850	San Andres Glorieta Tubb Abo Wolfcamp Cisco Mississippian Montoya T.D.	1,272 2,434 3,840 4,526 5,237 5,793 6,158 6,247 6,304	
Montoya	6247				