

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE

(See other In-
structions 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 Daifort Oil Corporation							
3. ADDRESS OF OPERATOR 3471 First National Bank Bldg., Dallas, Texas							
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface 660' FN & EL At top prod. interval reported below At total depth same							
14. PERMIT NO.				DATE ISSUED MAR 4 1975			
15. DATE SEUDED 1-30-75				16. DATE T.D. REACHED 2-2-75		17. DATE COMPL. (Ready to prod.) 2-11-75	
18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*				19. ELEV. CASINGHEAD			
20. TOTAL DEPTH, MD & TVD 2211		21. PLUG BACK T.D., MD & TVD 2177		22. IF MULTIPLE COMPL., HOW MANY*		23. INTERVALS DRILLED BY ROTARY TOOLS CABLE TOOLS	
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 2108½ - 20 Queen						25. WAS DIRECTIONAL SURVEY MADE yes	
26. TYPE ELECTRIC AND OTHER LOGS RUN Western Radioactive						27. WAS WELL CORED no	
28. CASING RECORD (Report all strings set in well)							
CASING SIZE		WEIGHT, LB./FT.		DEPTH SET (MD)		HOLE SIZE	
8 5/8		20		314		11	
2 7/8		6.5		2206		7 7/8	
29. LINER RECORD							
SIZE		TOP (MD)		BOTTOM (MD)		SACKS CEMENT*	
30. TUBING RECORD							
SIZE		DEPTH SET (MD)		PACKER SET (MD)			
none							
31. PERFORATION RECORD (Interval, size and number)							
2108½ - 20, extra holes at 2111, 2112, 2114, 2116; 1-9/16" cased gun, .25" holes, 28 holes							
32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.							
DEPTH INTERVAL (MD)				AMOUNT AND KIND OF MATERIAL USED			
2108½ - 20				1000 gal 15%			
33. PRODUCTION							
DATE FIRST PRODUCTION 2-14-75		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)				WELL STATUS (Producing or shut-in) shut in	
DATE OF TEST 2-14-75		HOURS TESTED 2		CHOKE SIZE variable		PROD'N. FOR TEST PERIOD	
FLOW. TUBING PRESS. 528		CASING PRESSURE 689		CALCULATED 24-HOUR RATE		OIL—BBL. 1579	
						GAS—MCF. WATER—BBL. OIL GRAVITY-API (CORR.)	
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)							
TEST WITNESSED BY West							
35. LIST OF ATTACHMENTS 4 point back pressure							
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records							
SIGNED [Signature]		TITLE Geologist		DATE 2-27-75		U.S. GEOLOGICAL SURVEY ARTESIA, NEW MEXICO	

*(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 35.

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 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:		38. GEOLOGIC MARKERS	
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.
Recent Quaternary	0	554	red beds
Rustler	554	491	Anhydrite, gray shale
Salado	491	1283	salt, gray shale, anhydrite
Tansil	1283	1368	Anhydrite, salt
Yates	1368	1499	Red sand & shale, salt, anhydrite
Seven Rivers	1499	2210	Anhydrite, red & gray sand red shale, and salt

NAME	MEAS. DEPTH	TOP	TRUE VERT. DEPTH
Rustler	554		same
Salado	491		same
Yates	1283		same
Seven Rivers	1499		same

ION N. M. O. C. C. COPY

001

Type Test		☒ Initial		☐ Annual		☐ Special		Test Date		2-11-75	
Company				Connection							
DALPORT OIL CORPORATION				TO AIR							
Pool				Formation				Unit			
QUEEN SAND											
Completion Date		Total Depth		Plug Back TD		Elevation		Farm or Lease Name			
2-1-75				2177		3924 GR.		FEDERAL "5"			
Csg. Size	Wt.	d	Set At	Perforations:		Well No.					
				From To		1					
Tbg. Size	Wt.	d	Set At	Perforations:		Unit		Sec.		Twp. Rge.	
2-7/8"	6.5	2.441	2177	From 2108.5 To 2120		A		5		15-S 30-E	
Type Well - Single - Bradenhead - G.C. or G.O. Multiple				Packer Set At				County			
SINGLE				NONE - TBG. Cement. IN				Chaves			
Producing Thru		Reservoir Temp. °F		Mean Annual Temp. °F		Baro. Press. - P _a		State			
Tubing		80 @ 2140		60		13.2		New Mexico			
L	H	Gg	% CO ₂	% N ₂	% H ₂ S	Prover	Meter Run	Taps			
2114	2114	0.8947	0.337	61.798	-0-	POSITIVE	CHOKES	---			

FLOW DATA						TUBING DATA		CASING DATA		Duration of Flow	
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. h _w	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.		Temp. °F
SI	POSITIVE CHOKES						689.0		TBG. CEMENTED IN		
1.	8/64"			628.0	-	60	628.0	60			30 MIN.
2.	10/64"			597.0	-	58	597.0	58			30 MIN.
3.	12/64"			567.0	-	57	567.0	57			30 MIN.
4.	14/64"			528.0	-	57	528.0	57			30 MIN.
5.											

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor Ft.	Gravity Factor Fg	Super. Compress. Factor, Fpv	Rate of Flow Q, Mcfd
1	0.2618	-	641.2	1.000	1.057	1.027	132.2
2	0.4173	-	610.2	1.002	1.057	1.025	276.1
3	0.6101	-	580.2	1.003	1.057	1.025	384.7
4	0.8419	-	541.2	1.003	1.057	1.023	494.2
5							

NO.	P _f	Temp. °R	T _f	Z	Gas Liquid Hydrocarbon Ratio	TSTM	Mcf/bbl.
1.	1.75	520	1.82	0.919	A.P.I. Gravity of Liquid Hydrocarbons		Deq.
2.	1.70	518	1.82	0.951	Specific Gravity Separator Gas	0.8947	XXXXXXX
3.	1.04	517	1.81	0.952	Specific Gravity Flowing Fluid	XXXXX	
4.	0.97	517	1.81	0.956	Critical Pressure	557	P.S.I.A.
5.					Critical Temperature	285	R

NO.	P _f ²	P _s ²	P _s ²	P _f ² - P _s ²
1	715.2	511.5	71.0	
2	691.2	477.8	107.7	
3	667.2	445.2	110.3	
4	634.2	402.2	133.3	
5				

(1) $\frac{P_f^2}{P_f^2 - P_s^2} = 3.1942$		(2) $\left[\frac{P_f^2}{P_f^2 - P_s^2} \right]^n = 3.1942$	
AOF = Q $\left[\frac{P_f^2}{P_f^2 - P_s^2} \right]^n = 1579$			

Absolute Open Flow	1579	Mcf/d @ 15.025	Angle of Slope @	15.0	Slope, n	1.000 LIM
--------------------	------	----------------	------------------	------	----------	-----------

Remarks: Bottom hole pressures measured with Amerada gauge @ 2140'

GOOD POINT ALIGNMENT FIT, SLIGHTLY IN EXCESS OF 1.000 LIMITS.

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
<i>[Signature]</i>	G. Parker	R. West	

TEST DATE: FEBRUARY 14, 1975
TEST DEPTH: 2140 FEET

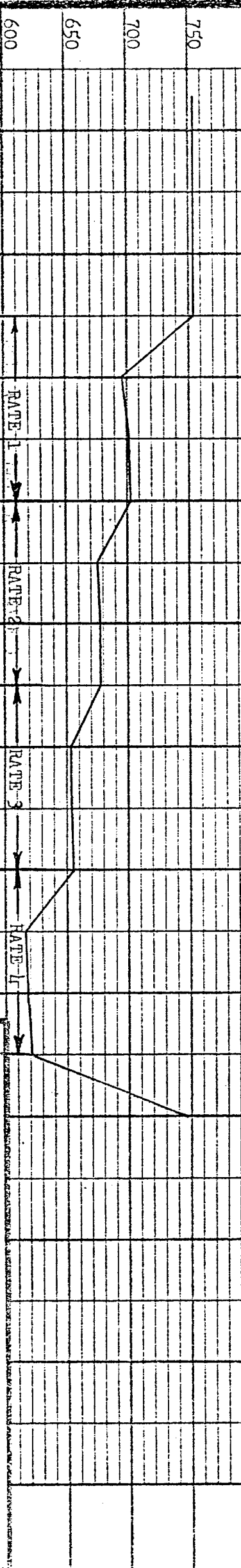
ELEMENT NO.: 11490-N
RANGE: 1060 P.S.I.

CLOCK NO: 11782
RANGE: 0 - 24 HOURS

NOTE: SEE ATTACHED SHEET FOR TABULATION OF PRESSURE AND TIME.

TIME IN MINUTES

PSIG 0 20 40 60 80 100 120 140



DALPORT OIL CORPORATION

FEDERAL "5" WELL NO. 1
4 - POINT TEST
PRESSURE DRAW-DOWN CURVE

JOHN W. WEST ENGINEERING CO., HOUSTON, TEXAS, U.S.A.
Date: 2-22-75 Drawn by: R. W. S. Scale: AS SHOWN

DALPCRT OIL CORPORATION
 FEDERAL "5" WELL NO. 1
 4-POINT TEST
 TABULATION OF PRESSURE AND TIME

TEST CONDUCTED BY:
 JOHN WEST ENGINEERING COMPANY

TEST DATE: FEBRUARY 14, 1975
 TEST DEPTH: 2140 FEET
 ELEMENT NO: 14490-N
 RANGE: 0 - 1060 P.S.I.
 CLOCK NO.: 11782
 RANGE: 0 - 24 HOURS
 OPERATOR: G. PARKER

DATE:	TIME	CUM. HRS. / MIN.		P.S.I.G. @ 2140 FEET	
2-14-75	10:30 A.M.	00	00	752	GAUGE REACHED 2140'
		00	15	752	
		00	30	752	
	11:05 A.M.	00	35	752	OPEN CHOKE FOR FIRST RATE 8/64" CHOKE
		00	45	696	
		00	55	700	
	11:35 A.M.	01	05	702	END RATE NO. 1
		01	15	675	
		01	25	676	
	12:05 P.M.	01	35	678	END RATE NO. 2
		01	45	652	
		01	55	653	
	12:35 P.M.	02	05	654	END RATE NO. 3
		02	15	617	
		02	25	618	
	1:05 P.M.	02	35	621	END RATE NO. 4 - WELL SHUT-IN
2-14-75	1:15 P.M.	02	45	747	10 MINUTE SHUT-IN PRESSURE GAUGE OFF BOTTOM - TEST COMPLETE