

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

BV

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.

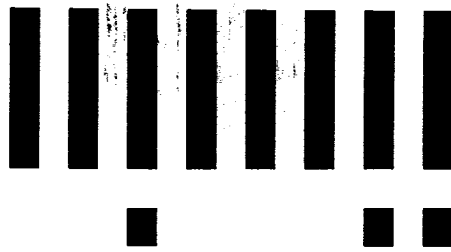
Item 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments.

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 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: "Socks 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 POROSITY ZONES:			38. GEOLOGIC MARKERS		
SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION TEST, TIME TOOL, OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES			NAME		
FORMATION	TOP	BOTTOM	TOP		TRUE VERT. DEPTH
			MEAS. DEPTH		
Ojo Alamo	1920	2030	Probably Water		
			Ojo	1920	Same
			Kirtland	2100	
			Fruitland	2276	
			P.C.	2426	
			Lewis	2509	

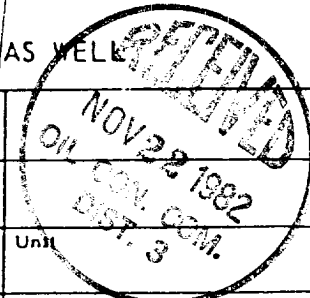


LTR



Job separation sheet

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL



Type Test <input checked="" type="checkbox"/> Initial <input type="checkbox"/> Annual <input type="checkbox"/> Special				Test Date 11-15-82	
Company CURTIS J. LITTLE			Connection El Paso		
Pool Ballard			Formation Pictured Cliff		Unit
Completion Date 11-8-82		Total Depth 2590		Plug Back TD 2580	Elevation 6589
Csq. Size 2 7/8	Wt. 6.5	d 2.441	Set At 2588	Perforations: From 2431 To 2509	
Thq. Size	Wt. Slim	d Hole	Set At	Perforations: From To	
Type Well - Single - Bradenhead - G.C. or G.O. Multiple Single				Packer Set At None	
Producing Thru Casing		Reservoir Temp. °F #		Mean Annual Temp. °F 12 psia	
L	H	Gg .650	% CO ₂	% N ₂	% H ₂ S
		Prover	Meter Run	Taps	

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	7 dyas								749		
1.	2 inch .750								30	60°	3 hours
2.											
3.											
4.											
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	12.3650		42	1.000	.9608	1.002	500
2.							
3.							
4.							
5.							

NO.	P _t	Temp. °R	T _t	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
1.					A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
2.					Specific Gravity Separator Gas _____ X X X X X X X X
3.					Specific Gravity Flowing Fluid _____ X X X X X
4.					Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
5.					Critical Temperature _____ R _____ R

P _c 761	P _c ² 579121	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0045$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.00383$
NO. 1	P _w 51	P _w ² 2604	P _c ² - P _w ² 576517
2			
3	Calculated		
4			
5			

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 502$

Absolute Open Flow 502 Mcfd @ 15.025 Angle of Slope 0 Slope, n .85

Remarks: Gas Completely dry.

Approved By Division	Conducted By: <i>[Signature]</i>	Calculated By: <i>[Signature]</i>	Checked By: CURTIS J. LITTLE
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