OPEN FLOW TEST DATA

DATE 2-29-72

Operator		Lease						
EL PASO NATU	RAL GAS COMPANY	Huerfano Unit No. 224						
1650 S - 990	E Sec. 4 26N 10W	County San Juan	State N. M.					
Formation		Pool						
Dakota		Basin						
Casing: Diameter	Set At: Feet	Tubing: Diameter	Set At: Feet					
4.500	7025	2.375	6934					
Pay Zone: From	То	Total Depth:	Shut In					
6776	6930	7025	2 - 22-72					
Stimulation Method		Flow Through Casing	Flow Through Tubing					
SWF			XXX					

Plate Choke Size, Inches		Choke Constant: C							
4" M.R.;	2.750" P.		41.10	Well tested through 3/4" variable choke					
Shut-In Pressure, Casing, PSIG 16001		+ 12 = PSIA 1612'	Days Shut-In	Shut-In Pressure, Tubing PSIG		+ 12 = PSIA 1597			
Flowing Pressure: P MR 10'	PSIG WH 46'	+ 12 = PSIA MR 22	WH 58	Working Pressure: Pw 393	PSIG	+ 12 = PSIA 405			
		n =		Fpv (From Tables)		Gravity			
T = 86∘F	Ft=.9759	.75		1.003		.734 Fg = 1.167			

OKE VOLUME = Q = C x Pt x Ft x Fg x Fpv

Q = Calculated from orifice meter readings = 371 MCF/D

OPEN FLOW = Aof = Q
$$\begin{pmatrix} \frac{2}{P_c} \\ \frac{2}{P_c} \\ P_c & P_w \end{pmatrix}$$
 NOTE: Well produced 38 bbls. of 43 gravity oil in 3 hour test.

Aof =
$$\left(\begin{array}{c} 2598544 \\ -2434519 \end{array}\right)^{n} = (371)(1.0674)^{.75} = (371)(1.0501)$$

Aof = 390 MCF/D

TESTED BY Jess Goodwin

TNESSED BY_____

W. E. McAnally

H. E. McAnally

(Rev. 5-63)		UNITED	STATES	su	BMIT IN	V DUPLICA			Form appi		42-R355.5.
	DEPART	TMENT O	F THE IN	TERI	OR	struct	ther in- ions on se side)	5. LEASE DE			
•	(GEOLOGICA	AL SURVEY	(revers	se side)	NM 0			
WELL CO	MPLETION	OR RECOM	APLETION	REPOR	T AN	ID LOC	 } *	6. IF INDIAN		SE OR TR	IBE NAME
1a. TYPE OF WE	LL: ou	GAS 57						7 UNIT ACR	PRMEEM 1	Y A D C TO	7
b. TYPE OF COMPLETION:				Other			7. UNIT AGREEMENT NAME Huerfano Unit				
NEW WORK DEEP PLUG DIFF. WELL OVER EN DACK RESYR.				Other.				S. FARM OR LEASE NAME			
2. NAME OF OPERATOR				RECEIVER			Huerfano Unit				
El Paso Natural Gas Company						T Borner	and the same of th	9. WELL NO.			
3. ADDRESS OF OPERATOR				MAR 9 1972			224				
PO Box	990, Farmi	ngton, NM	87401					10. FIELD AN	D POOL,)R WILDO	AT
At surface	LOCATION OF WELL (Report location clearly and in accordance with At surface 1650'N, 990'E				U. S. GEOLOGICAL SURVEY FARMINGTON, N. M.			Basin Dakota 11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA			
At top prod. in	terval reported be	low		AND THE ROOM	Contraction of the Contraction o	Andreas Property of the same	were to being		T-26	5-N 1	R-10-W
At total depth					2*			NMPM		J-1 1	X-10-V
•			14. PERMIT NO) <u>.</u>	DATE	ISSUED		12. COUNTY		13. STA	TE
				\$				San Jua	an l	New	Mexico
15. DATE SPUDDED	16. DATE T.D. R	EACHED 17. DATE	COMPL. (Ready	to prod.)	18. ELE	VATIONS (D	, RKB, I	RT, GR, ETC.)*		V. CASIN	
2-6-72	2-18-7		2-29-72				02'GI	. ; 			
20. TOTAL DEPTH, MD		G, BACK T.D., MD &	TVD 22. IF MUI	LTIPLE COM	MPL.,	23. INTE	RVALS LED BY	ROTARY TOO.	LS	CABLE !	TOOLS
7025' 24. PRODUCING INTE	RVAL(S) OF THIS	7015'	ROTTOM NAME (MD AND TO	vn*	<u> </u>	<u>→ </u>	0-7025		WAS DIRE	CETONAL
				ALD AND I	• • • • • • • • • • • • • • • • • • • •	,		* * * **		WAS DIRE	
	6776-69	930' (Dakota)		· •					no	•
26. TYPE ELECTRIC	AND OTHER LOGS I	RUN							27. WAS	WELL CO	ORED
<u> </u>	Density	- GR Bond			1					no	· · · · · · · · · · · · · · · · · · ·
28.			NG RECORD (Re		rings set i					• :	
	WEIGHT, LB./			OLE SIZE		CEM	ENTING	RECORD		AMOUNT	PULLED
8 5/8" 4 1/2"	24# 10.5#	7025					<u>7 cu.</u>				
4 1/2	10.5#	7025	<u>-</u>	7/8"		115	8 cu.	<u>it.</u>			 ·
						·					
29.		LINER RECORD				30.	7	TUBING RECO	RD		
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN	(MD)	SIZE	. 1	DEPTH SET (M	D) P.	ACKER SI	ST (MD)
						2 3/8	<u>'_</u> _	6934'			
31. PERFORATION RE	COED (Interval, ei	te and number)		1 00		ID GIVON	TD 4.07			· ·	
	812-18', 68		66-72'.	82.	INTERVA			URE, CEMENT			
	th 18 shots		, ,		-6930			00nt and kind)0#sand,			
	•	, *				I	,-	, , , , , , , , , , , , , , , , , , , ,		<u> </u>	·
							/	COLILA	7		
20.4							10	FIFT	W		
33.* DATE FIRST PRODUCT	TION PRODU	CTION METHOD (F		DUCTION	ize and t	une of our	<u>/ 13</u>			5	
			,, yac 1.,1, p	ampiny	ince and i	ppe of pum		La sha	PO I	Producin	g or
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR	OIL—BE	BL.	GASMC	M	WATER-BBL	1 0	S-OIL RAT	rio
2-29-72	3	3/4"	TEST PERIOD	3	8		OIL	CON. CO	OW!		
FLOW, TUBING PRESS.	CASING PRESSUR	24-HOUR RATE	OIL—BBL.		S-MCF.	·	MATER-	POIST. 3	OLD GRAV	ITY-API (CORR.)
SI 1597 34. DISPOSITION OF G	SI 1612				390	AOF				43°	
	(~~~, 8864)07	, wee, venteu, eic.)						TEST WITNES			-
35. LIST OF ATTACH	MENTS				· ·			J. B. G	oodwii	1	
36. I hereby certify	that the foregoin	g and attached inf	ormation is comp	olete and c	orrect as	determine	d from	all available re	cords	·	
	nal Signed F. H		TITLE Pe						Marc	h Q	1072
~= ~ 41 44 4			_ TITLE 'S			,		DATE	14141 (11 0,	1/14

Form 7-550 (Rev. 5-63)

NSTRUCTIONS

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

Hem 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 should be listed on this form, see item 35.

Hem 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 or Federal office for specific instructions. 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.

Hem 29: "Nacks Coment": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

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