

UNITED STATES OF AMERICA
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
NEW MEXICO 88240

Form approved.
Budget Bureau No. 1004-0137
Expires August 31, 1985

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
Mitchell Energy Corporation

3. ADDRESS OF OPERATOR
P.O. Box 4000 The Woodlands, TX 77387-4000

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
At surface 1980' FNL & 1980' FEL Unit G

At top prod. interval reported below

At total depth Same

14. PERMIT NO. DATE ISSUED

15. DATE SPUDDED 5-13-92 16. DATE T.D. REACHED 6-29-92 17. DATE COMPL. (Ready to prod.) 7-16-92 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 3546' GR 19. ELEV. CASINGHEAD 3645'

20. TOTAL DEPTH, MD & TVD 13,780' 21. PLUG, BACK T.D., MD & TVD 13,680' 22. IF MULTIPLE COMPL., HOW MANY* 23. INTERVALS DRILLED BY 24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 13,289-13,428' Morrow

26. TYPE ELECTRIC AND OTHER LOGS RUN GR/DLL/MSFL/Sonic, GR/CNL/LDT, GR/CBL/CCL 27. WAS WELL CORED Yes - Sidewall

CASING RECORD (Report all strings set in well)					
CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
20"	94	514'	26"	846 sx Prem Plus	
13 3/8"	68	2947'	17 1/2"	2350 sx Lite + Prem Plus	
8 5/8"	32	5272'	12 1/4"	1250 sx Lite + Prem Plus	
5 1/2"	17	13,779'	7 7/8"	700 sx 50/50 Poz + 1250 sx thru DV @ 9687'	

LINER RECORD					TUBING RECORD		
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2 3/8"	13,171'	13,171'

PERFORATION RECORD (Interval, size and number)				ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.	
13,289-93'	13,383-93'			DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
13,313-20'	13,425-28'			13,289-428'	3000 gal MOD-101 + 88 MCF N ₂
13,356-60'	4 SPF (160 shots)			13,289-428'	5000 gal MOD-101 + 5000 gal CO ₂
13,366-78'	(.4")				

PRODUCTION							
DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)				WELL STATUS (Producing or shut-in)	
7-17-92		Flowing				Shut-in	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
8-26-92	4	17/64		15.6	305	0	19,570
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	
1100	0		93	1832	0	48.2	

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Vented TEST WITNESSED BY Gary Butler

35. LIST OF ATTACHMENTS

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

SIGNED James Brown TITLE Engineer DATE 8-28-92

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

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	DESCRIPTION, CONTENTS, ETC.	NAME	MEAS. DEPTH	TOP	TRUE VERT. DEPTH
Yates	3100'	3175'	drlg. breaks with mud log shows				
Delaware	7990'	8110'	sli. drlg breaks with sli. mud log show rotary sidewall cores: 5488', 5438', 5468', 5500', 5530', 6015', 6500', 7614', 7834', 7900', 8009', 8088', 8098'	T/Yates T/Delaware T/Bone Spring	3042' 5186' 8158'		3142' 5186' 8158'
Bone Spring	9226'	9425'	drlg breaks with mud log shows	T/1st Bone Spr. Sd.	9201'		9201'
Wolfcamp	11430'	11606'	Rotary Sidewall Cores: 9231', 9284', 9295', 9315', 9450', drlg. breaks with mud log shows DST #1 11,414-11,457', Op 115 min, GTS 25 min Rec. 134 Bbls GC oil + 14 Bbls WB TFP (15") 1028# FFP (90") 2466# ISIP (60") 6333# FSIP (105") 5918#	T/Wolfcamp	11,158'		11,158'
			DST #2 11528-11622' Op 120 min, GTS 45 min. Rec. 40 Bbls GCO + 14 Bbls WB IFP (30") 653# FFP (90") 1312# ISIP (60") 5517# FSIP (180") 4829#	T/Strawn	12,210'		12,210'
			Rotary Sidewall Cores: 11,444', 11,454', 11,464', 11,600'	T/Atoka	12,509'		12,509'
Morrow	13,121'	13,627'	Drlg. breaks with mud log shows Rotary Sidewall Cores: 13,126', 13,315', 13,334', 13,368', 13,374', 13,385', 13,391', 13,625', 13,675'	T/Morrow	12,788'		12,788'

RECEIVED
SEP 22 1992
OCD HOBBS OFFICE



LTR



Job separation sheet

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☐ Special		Test Date 8-27-92	
Company Mitchell Energy Corporation		Connection	
Pool Wildcat		Formation Morrow	
Completion Date 7-16-92		Total Depth 13,780'	Plug Back TD 13,680'
		Elevation 3546'	Farm or Lease Name Anasazi 9 Fed
Csg. Size 5 1/2"	Wt. 17#	d 4.892	Set At 13,680'
Perforations: From 13,289' To 13,428'		Well No. 1	
Thq. Size 2 3/8"	Wt. 4.7#	d 1.995	Set At 13,207'
Perforations: From To		Unit Sec. Twp. Rge. G 9 20S 33E	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single		Packer Set At 13,207'	County Lea
Producing Thru Tbg	Reservoir Temp. °F 192 @ 13,000	Mean Annual Temp. °F 60	Baro. Press. - P _a 13.2
State NM			
L 13,207'	H 13,207'	Gg .69	% CO ₂ 1.79
% N ₂ .53		% H ₂ S 0	Prover Meter Run 3.068
Taps Flg			

FLOW DATA							TUBING DATA		CASING DATA		Duration of Flow
NO.	Prover Line Size	x	Orifice Size	Press. p.s.i.g.	Diff. hw	Temp. °F	Press. BHP p.s.i.g.	Temp. °F BHT	Press. p.s.i.g.	Temp. °F	
SI							6125	192			18
1.	3	x	2.00	600	3	105	4937	192			1
2.	3	x	2.00	600	7	87	3846	192			1
3.	3	x	2.00	570	15	100	2522	192			1
4.	3	x	2.00	540	14	97	1864	192			1
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.	21.53	42.89	613.2	.9594	1.2039	1.0509	1121
2.	21.53	65.52	613.2	.9750	1.2039	1.0579	1752
3.	21.53	93.53	583.2	.9636	1.2039	1.0501	2453
4.	21.53	88.00	553.2	.9662	1.2039	1.0484	2311
5.							

NO.	R	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio 17.4 Mcf/bbl.
1.	.91	565	1.48	.905	A.P.I. Gravity of Liquid Hydrocarbons 48.2 Deg.
2.	.91	547	1.43	.894	Specific Gravity Separator Gas .690 XXXXXXXXXX
3.	.86	560	1.47	.907	Specific Gravity Flowing Fluid XXXXX .843
4.	.82	557	1.46	.910	Critical Pressure 675 P.S.I.A. 667 P.S.I.A.
5.					Critical Temperature 382 R 430 R

P _c 4147 P _c ² 17198				
NO.	P _i ²	P _w	P _w ²	P _c ² - P _w ²
1		3133	9815	7383
2		2282	5205	11993
3		1452	2109	15089
4		1113	1238	15960
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.1398$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.1398$

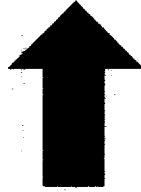
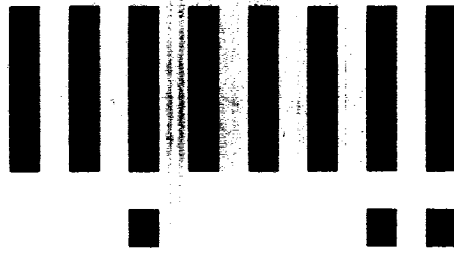
AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2796$

Absolute Open Flow 2796 Mcfd @ 15.025	Angle of Slope @ 45.0	Slope, n 1.00
Remarks:		
Approved By Division	Conducted By: Pro Well Testing	Calculated By: James Blount
Checked By:		

RECEIVED

SEP 18 1992

OCD HOBBS OFFICE

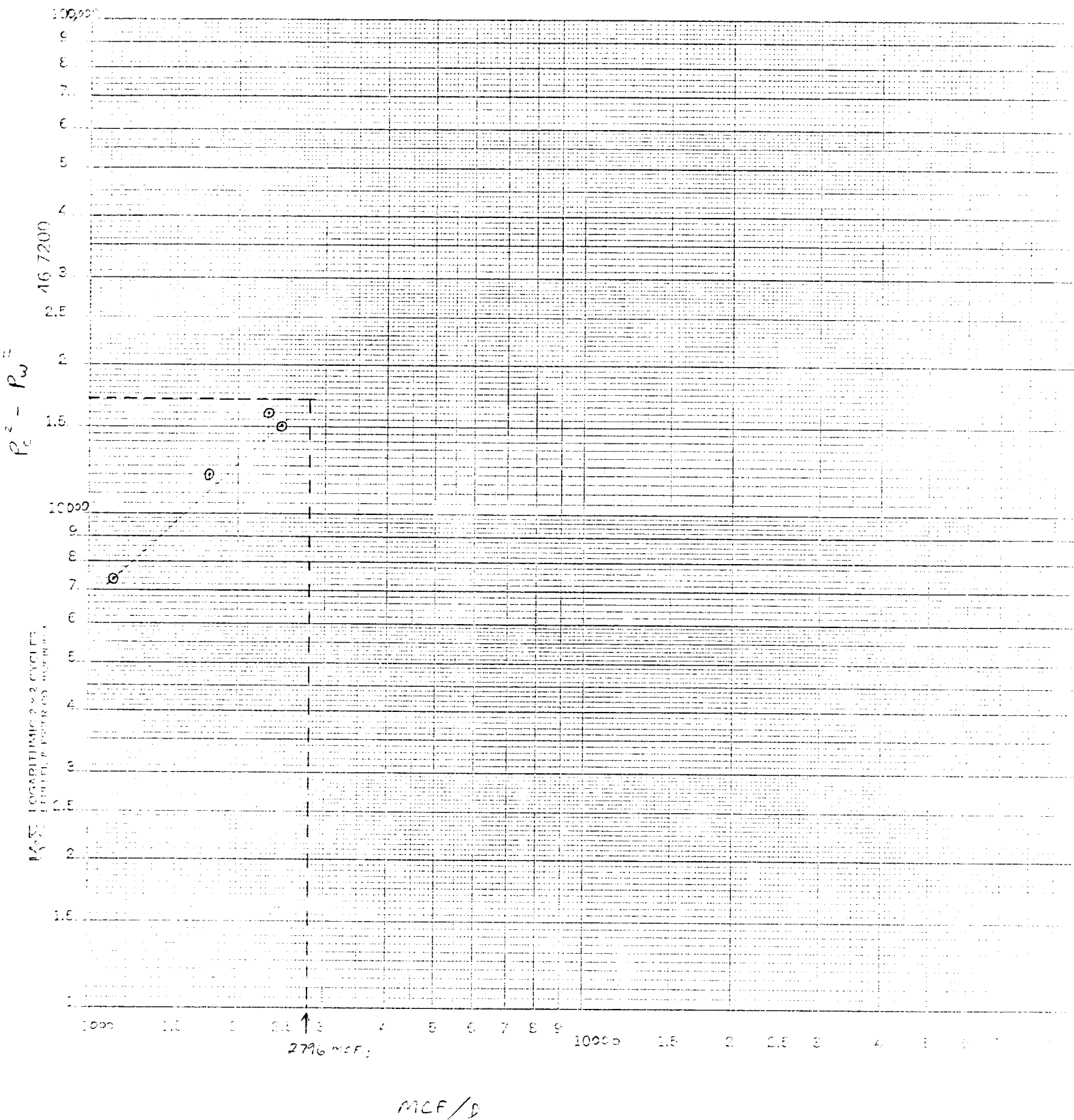


LTR



Job separation sheet

ANALYSIS 2 FEB 51



RECEIVED

SEP 18 1992

OCD HOBBS OFFICE