

Submit to Appropriate
District Office
State Lease - 6 copies
Fee Lease - 5 copies
DISTRICT I
P.O. Box 1980, Hobbs, NM 88240
DISTRICT II
P.O. Drawer DD, Artesia, NM 88210
DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-105
Revised 1-1-89

OIL CONSERVATION DIVISION
P.O. Box 2088
Santa Fe, New Mexico 87504-2088

WELL API NO. 30-015-32705
5. Indicate Type of Lease STATE ☐ FEE ☒
6. State Oil & Gas Lease No.

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well: OIL WELL ☐ GAS WELL ☒ DRY ☐ OTHER _____		7. Lease Name or Unit Agreement Name JUNEAU 31 FEE COM
b. Type of Completion: NEW WELL ☒ WORK OVER ☐ DEEPEN ☐ PLUG BACK ☐ DIFF RESVR ☐ OTHER ☐		
2. Name of Operator MYCO INDUSTRIES, INC.		8. Well No. #1
3. Address of Operator P.O. BOX 840, ARTESIA, NEW MEXICO 88210		9. Pool name or Wildcat CARLSBAD, MORROW, EAST

4. Well Location
Unit Letter **L** : **1980** Feet From The **SOUTH** Line and **660** Feet From The **WEST** Line
Section **31** Township **21S** Range **28E** NMPM **EDDY** County

10. Date Spudded 08/31/2003	11. Date T.D. Reached 10/07/2003	12. Date Compl. (Ready to Prod.) 11/05/2003	13. Elevations (DF & RKB, RT, GR, etc.) 3116' GR	14. Elev. Casinghead 3116'
15. Total Depth 12,237'	16. Plug Back T.D. 12,168'	17. If Multiple Compl. How Many Zones?	18. Intervals Drilled By Rotary Tools 0-12,237	Cable Tools
19. Producing Interval(s), of this completion - Top, Bottom, Name 11,858-68' (MORROW "B")				20. Was Directional Survey Made TOTCO-ATTACHED
21. Type Electric and Other Logs Run SCHLUMBERGER PLATFORM EXPRESS, CBL				22. Was Well Cored NO

CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
13-3/8"	48#	560'	17"	500 SXS "C" (CIRC)	
9-5/8"	40#	2,746'	12-1/4"	650 SXS "C" (CIRC)	
5-1/2"	17#	12,232'	8-3/4"	STAGE I 1000 SXS (CIRC)	
				STAGE II 2100 SXS (TOC)	CBL 2621'
				DV TOOL @ 9256'	

24. LINER RECORD					25. TUBING RECORD		
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET

26. Perforation record (interval, size, and number) 11,858', 60', 62', 64', 66', 68' (6-SPF) 0.42" 36 TOTAL HOLES	27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.	
	DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED

28. PRODUCTION							
Date First Production 11/05/2003		Production Method (Flowing, gas lift, pumping - Size and type pump) FLOWING				Well Status (Prod. or Shut-in) PRODUCING	
Date of Test 11/03/2003	Hours Tested 4	Choke Size	Prod'n For Test Period	Oil - Bbl.	Gas - MCF 837	Water - Bbl.	Gas - Oil Ratio
Flow Tubing Press. 785#	Casing Pressure 0	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF 5026	Water - Bbl.	Oil Gravity - API - (Corr.)	

29. Disposition of Gas (Sold, used for fuel, vented, etc.) FIRST SALES 11-05-03	Test Witnessed By RANDY DUTTON
---	--

30. List Attachments
TOTCO, OPEN-HOLE LOGS, CBL, NMOCDFORMS C-122 & C-104

31. I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief

Signature Hannah Palomin Printed Name **HANNAH PALOMIN** Title **LAND/ENGR TECH** Date **11/06/2003**

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

Northwestern New Mexico

OIL OR GAS SANDS OR ZONES

IMPORTANT WATER SANDS

No. 1, from to feet.....
 No. 2, from to feet.....
 No. 3, from to feet.....

From	To	Thickness in Feet	Lithology

From	To	Thickness in Feet	Lithology

Myco, Juneau 31 Fee Com #1		
Carlsbad Morrow East Field		
1980' FSL, 660' FWL, Section 31: T-21-S, R-28-E		
Elevation GL 3116'		
Elevation KB 3133'		
Tops	MD	SSD
Base Salt	834	2299
Delaware	2333	800
Cherry Canyon	3328	-195
Brushy Canyon	4122	-989
Bone Spring	5638	-2505
First Bone Spring Ss	6788	-3655
Second Bone Spring Ss	7580	-4447
Third Bone Spring Ss	8772	-5639
Wolfcamp	9179	-6046
Lower Wolfcamp	9866	-6733
Strawn "A" Ls.	10537	-7404
Strawn "B" Ls.	10563	-7430
Strawn "C" Ls.	10650	-7517
Lower Strawn	10809	-7676
Atoka Ls.	11088	-7955
Morrow	11498	-8365
Middle Morrow	11644	-8511
Lower Morrow	11858	-8725
Barnett	12118	-8985

OPERATOR: MYCO INDUSTRIES
WELL/LEASE: JUNEAU 31 FEE COM. 1
COUNTY: EDDY

514-0072

STATE OF NEW MEXICO
DEVIATION REPORT

231	1 1/2	4,737	1/2
560	3/4	5,212	1/2
814	2	5,712	3/4
933	1 3/4	6,004	1
1,028	1 1/2	6,322	1
1,218	1 3/4	6,608	1
1,345	2 3/4	6,862	1 1/2
1,440	2 1/2	7,053	1/4
1,535	3	7,371	1/2
1,631	3	7,689	3/4
1,751	2 1/4	7,975	3/4
1,878	4	8,262	1 1/2
1,974	3 3/4	8,520	1
2,096	3 1/2	8,873	3/4
2,164	3 1/2	9,163	3/4
2,227	3	9,675	1
2,274	2	10,187	1 1/4
2,305	2	10,315	1 1/2
2,337	1 1/2	10,442	2
2,400	1 1/2	10,604	1 3/4
2,464	1 1/4	10,775	1 1/2
2,528	1	11,062	2
2,591	1	11,191	2
2,655	1	11,359	1 1/4
2,717	1	11,585	1 3/4
2,926	1	11,778	1 1/2
3,180	1/2	11,971	2
3,434	1/2	12,230	2
3,749	1/4		
4,229	1/2		

RECEIVED
NOV - 7 2003
OCD-ARTESIA

By: Steve Moore

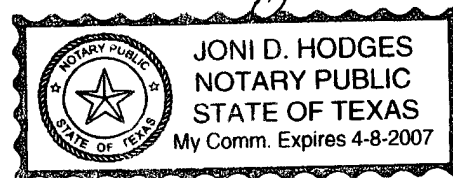
STATE OF TEXAS

COUNTY OF MIDLAND

The foregoing instrument was acknowledged before me on this 8th day of October, 2003, by Steve Moore on behalf of Patterson-UTI Drilling Company LP, LLLP.

Joni D. Hodges
Notary Public for Midland County, Texas

My Commission Expires: 4/08/2007



Submit in duplicate to
appropriate district office
See Rule 401 & Rule 1122

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-122
Revised 4-1-1991

OIL CONSERVATION DIVISION

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

RECEIVED

NOV - 7 2003

OCD-ARTESIA

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Operator					Lease or Unit Name Juneau 31 Fee Com				
Test Type ☒ Initial ☐ Annual ☐ Special					Test Date 11-03-03		Well No. 1		
Completion Date 11-05-2003		Total Depth 12231		Plug Back TD 12168		Elevation 3116' GL		Unit Ltr - Sec - TWP - Rge. (L)S31-T21S-R28E	
Csg. Size 5.500	Wt. 17.000	d 4.892	Set At 11760	Perforation: From 11858 To 11868				County Eddy	
Tbg. Size 2.875	Wt. 6.500	d 2.441	Set At 11760	Perforation: From To				Pool Carlsbad Morrow	
Type Well-Single-Bradenhead-G.G. or G.O. Multiple Single					Packer Set At 11760		Formation Morrow "B"		
Producing Thru Tubing		Reservoir Temp.F 182		Mean Annual Temp.F 86		Baro. Pressure 15.03		Connection MYCO Capital-Duke	
L 12168	H 12168	Gg .602	% CO ₂ .54	% N ₂	% H ₂ S	Prover Prover		Meter Run 4.00	Taps Pipe

Flow Data					Tubing Data		Casing Data		SIP/Flow Duration (HRS.)
(Prover) No. Line SizeOrifice Size	Press. PSIG	Diff. h _w	Temp. F		Press. PSIG	Temp. F	Press. PSIG	Temp. F	
Shut-in Pressure					3610	66			40
1. 4.00 x 1.75	2885.00	4.20	86		3555	61			1
2. 4.00 x 1.75	2610.00	6.10	85		3478	61			1
3. 4.00 x 1.75	2589.00	8.60	85		3310	60			1
4. 4.00 x 1.75	2501.00	10.80	84		3214	60			1

RATE OF FLOW CALCULATIONS

No.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. FACTOR F _t	Gravity FACTOR F _g	Super Compress. FACTOR F _{pv}	Rate of Flow (Q) MCFD
1.	15.630	110.364	2900.0	.9759	1.2888	1.1183	2426.2
2.	15.630	126.541	2625.0	.9768	1.2888	1.1248	2800.7
3.	15.630	149.648	2604.0	.9768	1.2888	1.1251	3313.0
4.	15.630	164.843	2516.0	.9777	1.2888	1.1271	3659.1

No.	P _r	TEMP.	T _r	Z
1.	4.299	546	1.533	.7997
2.	3.891	545	1.531	.7904
3.	3.860	545	1.531	.7900
4.	3.729	544	1.528	.7872

Gas-Liquid Hydrocarbon Ratio		Mcf/bbl	
API Gravity of Liquid Hydrocarbons		Deg.	
Specific Gravity Separator Gas	.602		
Specific Gravity Flowing Fluid		.602	
Critical Pressure	674 PSIA	674 PSIA	
Critical Temperature	356 R	356 R	

$$P_C = 3625.0 \quad P_C^2 = 13140.8$$

No.	P _w	P _w ²	P _C ² - P _w ²
1.	3583.7	12842	298.288
2.	3511.3	12328	811.876
3.	3351.1	11230	1910.741
4.	3261.4	10636	2504.198

$$(1) \frac{P_C^2}{P_C^2 - P_W^2} = 5.248 \quad (2) \left[\frac{P_C^2}{P_C^2 - P_W^2} \right]^n = 1.374$$

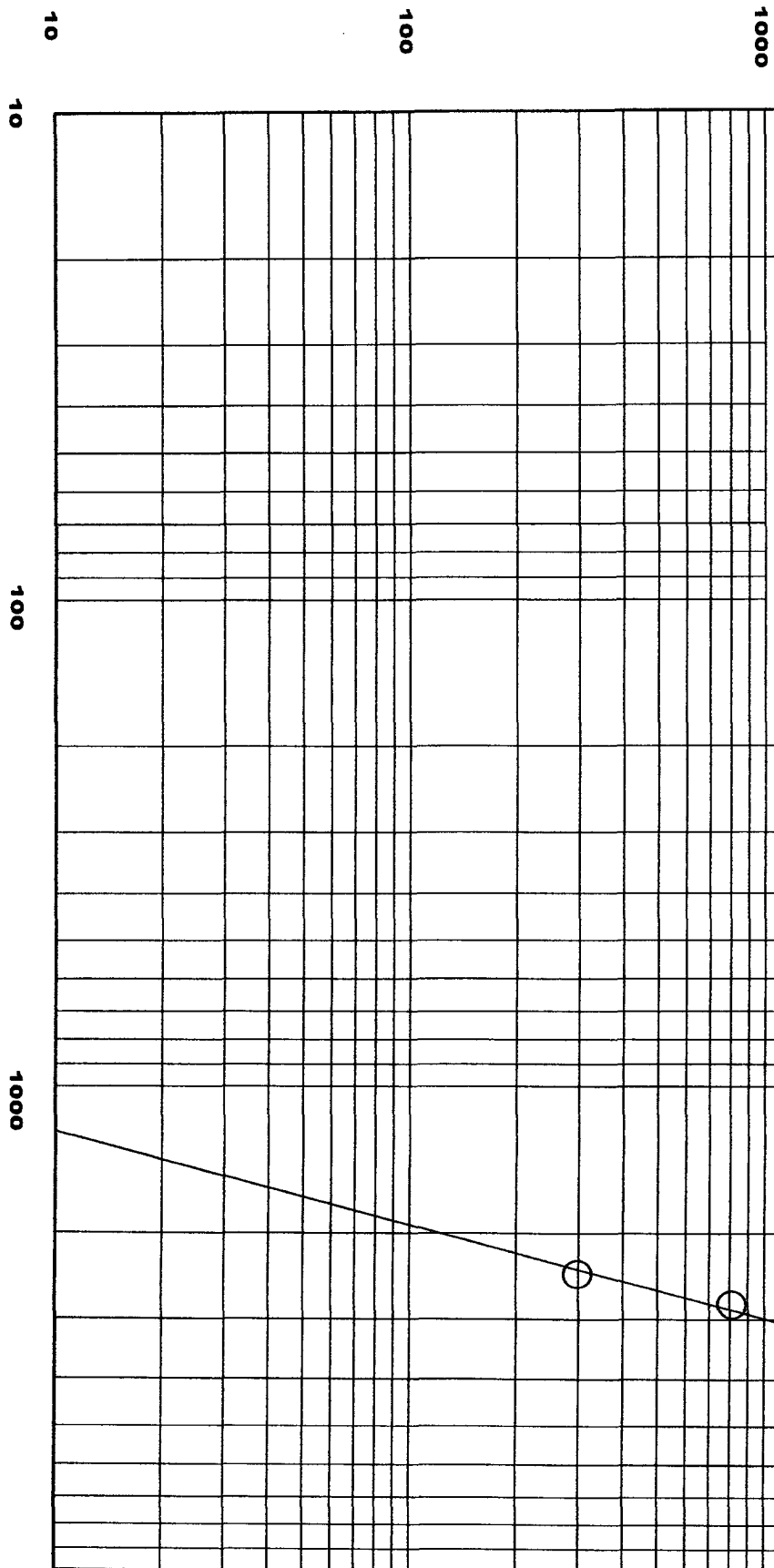
$$AOF = Q \left[\frac{P_C^2}{P_C^2 - P_W^2} \right]^n = 5026$$

Absolute Open Flow	5026	Mcf/d @ 15.025	Angle of Slope -	79.2	Slope, n	.191
Remarks						
Approved By Division:		Conducted By: RD		Calculated By: BPT System		Checked By: ANM

GAS WELL BACK PRESSURE CURVE

WELL TESTER: RD
TEST DATE: 11-03-03

Juneau 31 Fee Com 1
(L)S31-T218-R28E
Eddy ,NM.
Exponent n: 0.1916



Q (MCF/DAY)