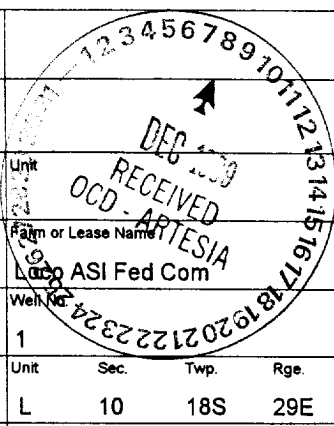


Type Test ☒ Initial ☐ Annual ☐ Special					Test Date 10/13/1999				
Company Yates Petroleum Corp				Connection Agave Energy					
Pool Turkey Track Morrow North				Formation Morrow <i>S Empire Morrow</i>					
Completion Date 10/11/1999		Total Depth 11520		Plug Back TD 11363		Elevation 3486		Farm or Lease Name Loco ASI Fed Com	
Csg. Size 5.500	Wt. 17.000	d 4.892	Set At 11520	Perforations: From 10953 To 11409			Well No. 1		
Tbg. Size 2.875	Wt. 6.500	d 2.441	Set At 10865	Perforations: From 10953 To 11409			Unit Sec. Twp. Rge. L 10 18S 29E		
Type Well Single				Packer Set At 10874			County Eddy		
Producing Thru Tubing		Resv. Temp. °F 166 @ 11250		Mean Temp. °F 62		Baro. Press. - Pa 13.2		State New Mexico	
L 11520	H 11520	Gg 0.680	%CO ₂ 0.350	%N ₂ 0.410	%H ₂ S 0.000	Prover 0.000	Meter Run 4.000	Taps Flange	

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. p.s.i.g.	Temp. °F	Press. p.s.i.g.		Temp. °F
SI.	0.000	x	0.000	0	0.0	0	1050	0			0
1.	4.026	x	0.750	350	74.0	60	700	60			24
2.	4.026	x	0.750	350	103.0	60	583	60			24
3.	4.026	x	0.750	350	129.0	60	467	60			24
4.	4.026	x	0.750	350	151.0	60	350	60			24
5.		x									

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{hwP_m}$	Pressure Pm	Flow Temp. Factor Ft	Gravity Factor Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mcfd
1.	2.661	163.9	363.2	1.0000	1.213	1.040	550
2.	2.661	193.4	363.2	1.0000	1.213	1.040	649
3.	2.661	216.5	363.2	1.0000	1.213	1.040	727
4.	2.661	234.2	363.2	1.0000	1.213	1.040	786
5.							

NO.	Pr	Temp °R	Tr	Z	Gas Liquid Hydrocarbon Ratio	0	Mcft/bbl.
					A.P.I. Gravity of Liquid Hydrocarbons	0.000	Deg.
1.	0.54	520	1.37	0.924	Specific Gravity Separator Gas	0.680	XXXXXXXXXX
2.	0.54	520	1.37	0.924	Specific Gravity Flowing Fluid	XXXXXXXXXX	0.680
3.	0.54	520	1.37	0.924	Critical Pressure	670	P.S.I.A. 670
4.	0.54	520	1.37	0.924	Critical Temperature	381	°R 381
5.							

Pc	1063.2	Pc'	1130.4
NO.	Pp'	Pw	Pw'
1.	508.7	715.8	512.4
2.	355.5	600.7	360.8
3.	230.6	487.3	237.5
4.	131.9	374.4	140.2
5.			

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.266$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 869$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.196$

Absolute Open Flow	869	Mcfd @ 15.025	Angle of Slope θ	37	Slope, n	0.759
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Remarks:

Approved By Commission:	Conducted By: Jerry Wyatt	Calculated By: Katie Brunson	Checked By: Pinson McWhorter
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WORKSHEET FOR CALCULATION OF STATIC COLUMN WELLHEAD PRESSURE (Pw) C-122D

DATE 10/13/1999

COMPANY Yates Petroleum Corp LEASE Loco ASI Fed Com WELL NO. 1

LOCATION: Unit L Section 10 Township 18S Range 29E

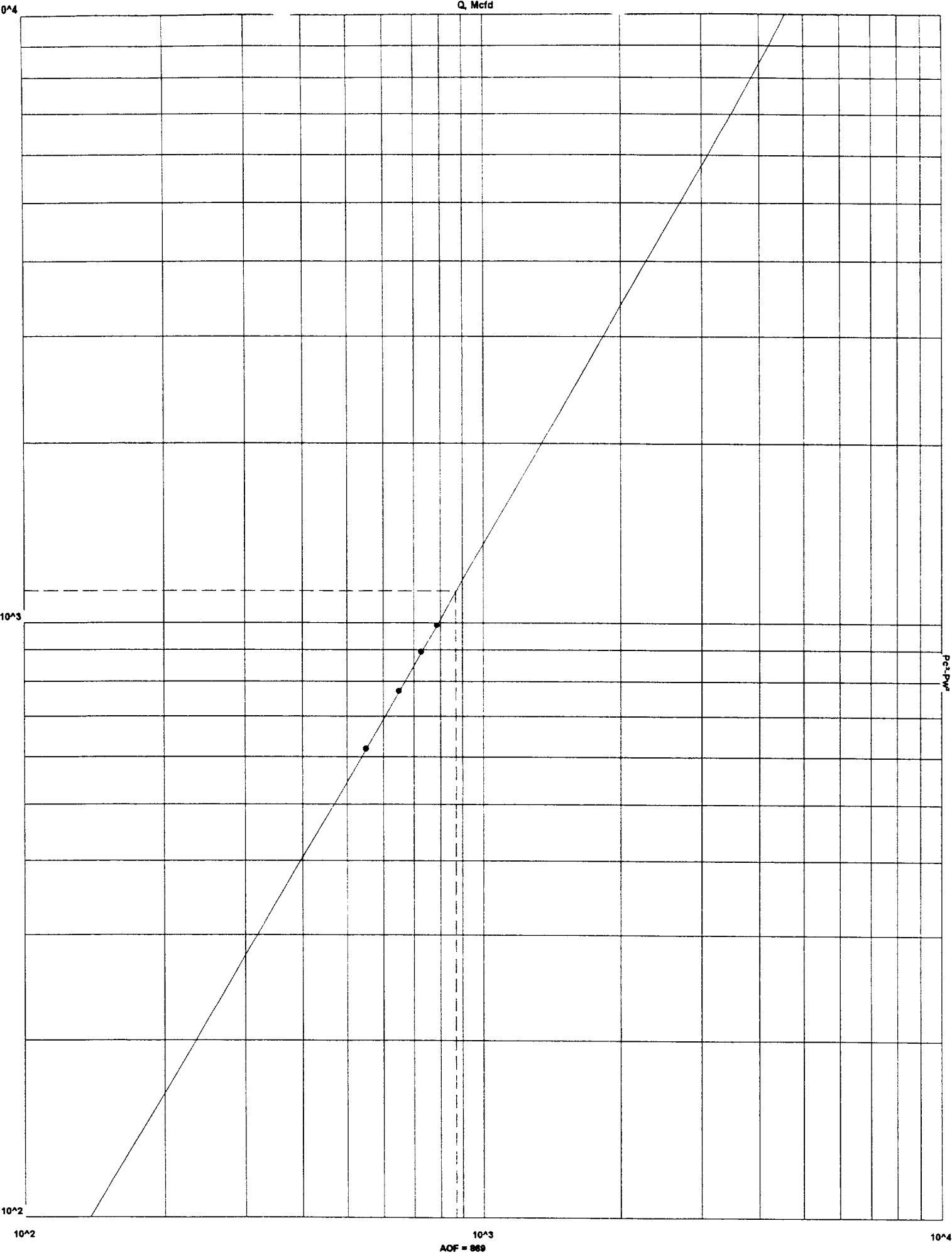
L 11520 H 11520 L/H 1.000 G 0.680 %CO₂ 0.350 %N₂ 0.410 %H₂S 0.000

d 2.441 Fr 0.010495 GH 7833.6 P_{cr} 670.0 T_{cr} 380.7

LINE	1st Rate	2nd Rate	3rd Rate	4th Rate	5th Rate
1 Qm	0.550	0.649	0.727	0.786	
2 Tw(W.H.°R)	520	520	520	520	
3 Ts(B.H.°R)	626	626	626	626	
4 T = (Tw+Ts) / 2	572.7	572.7	572.7	572.7	
5 Z (Est.)	0.881	0.899	0.918	0.937	
6 TZ	504.5	514.9	525.6	536.5	
7 GH / TZ	15.528	15.213	14.905	14.602	
8 e ^Λ s(Table XIV)	1.790	1.769	1.749	1.729	
9 1-e ^Λ -s(Table XIV)	0.441	0.435	0.428	0.422	
10 Pt	713.2	596.2	480.2	363.2	
11 P _t ² / 1000	508.7	355.5	230.6	131.9	
12 Fr (Table XV)	0.010495	0.010495	0.010495	0.010495	
13 Fc = FrTZ	5.294	5.404	5.516	5.630	
14 FcQm	2.91	3.51	4.01	4.43	
15 L / H(FcQm) ²	8.5	12.3	16.1	19.6	
16 Fw = L / H(FcQm) ² (1-e ^Λ -s)	3.75	5.35	6.88	8.26	
17 Pw ² = P _t ² +Fw	512.4	360.8	237.5	140.2	
18 Ps ² = e ^Λ sPw ²	917.3	638.3	415.3	242.4	
19 Ps	957.7	798.9	644.4	492.3	
20 P = (Pt+Ps) / 2	835.5	697.6	562.3	427.8	
21 Pr = (P / P _{cr})	1.25	1.04	0.84	0.64	
22 Tr = (T / T _{cr})	1.50	1.50	1.50	1.50	
23 Z (Table XI)	0.881	0.899	0.918	0.937	

Company Yates Petroleum Corp
Well Loco ASI Fed Com #1
Location L 10-18S-29E

County Eddy
Date 10-13-1999



UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE*

(See instructions on
reverse side)

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. RESER. ☒ Other Commingle -

2. NAME OF OPERATOR DHC-2208

YATES PETROLEUM CORPORATION (505) 748-1471

3. ADDRESS OF OPERATOR

105 South 4th St., Artesia, NM 88210

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*

At surface 1650' FSL & 1200' FWL (Unit L, NWSW)

At top prod. interval reported below

At total depth

14. PERMIT NO. DATE ISSUED

API 30-015-30094

Section 10-T18S-R29E

12. COUNTY OR PARISH

Eddy

13. STATE

NM

15. DATE SPUDDED
Recomp/commingle
10-5-99

16. DATE T.D. REACHED
10-11-99

17. DATE COMPL. (Ready to prod.)
10-11-99

18. ELEVATIONS (DV, HKB, ST, GR, ETC.)*
3486' GR

19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD
11520'

21. PLUG, BACK T.D., MD & TVD
11363'

22. IF MULTIPLE COMPL.,
HOW MANY*

23. INTERVALS
DRILLED BY

ROTARY TOOLS

CABLE TOOLS

Pulling Unit

24. PRODUCING INTERVAL(S). OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*

10956-11005' (Morrow) and 11397-11409' (Chester)

25. WAS DIRECTIONAL
SURVEY MADE

No

26. TYPE ELECTRIC AND OTHER LOGS RUN

None

27. WAS WELL CORRED

No

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
20"		80'	26"	In place	
13-3/8"	48#	354'	17-1/2"	In place	
8-5/8"	32#	3004'	11"	In place	
5-1/2"	17#	11520'	7-7/8"	In place	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2-7/8"	10865'	10874'

30. TUBING RECORD

31. PERFORATION RECORD (Interval, size and number)

11397-11409' w/48 .42" holes - existing

10956-11005' w/68 .42" holes

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
<u>10956-11005'</u>	<u>Acidized w/1500 gals 7-1/2% HCL acid w/1000 scf/bbl N2</u>
<u>11397-11409'</u>	<u>See original completion</u>

33.* PRODUCTION

DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)				WELL STATUS (Producing or shut-in)	
10-11-99		Flowing				Producing	
DATE OF TEST	HOURS TESTED	CHOKED SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
10-20-99	24	22/64"	→	13	598	0	
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	
350#	Packer	→	13	598	0	N/A	

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

Sold

TEST WITNESSED BY

Jerry Wyatt

35. LIST OF ATTACHMENTS

None

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

SIGNED

Rusty Klein

TITLE

Operations Technician

DATE Nov. 17, 1999

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