## UN'TED STATES SUBMIT IN DUPLICATE.

DEPARTME... OF THE INTERIOR

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

verse side)	5. LEASE DESIGNATION	A
	NW 16050	

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*  1a. TYPE OF WELL:    OIL   X   WAS   WASK
In TYPE OF WELL:    OIL   WELL   OR
b. TYPE OF COMPLETION:  NEW WORK DEEP DEEP DEEP DEEP DEEP DEEP DEEP DEE
2. NAME OF OPERATOR  Harvey E. Yates Company 3. Address of operator  P. O. Box 1933. Roswell New Mexico 88201 4. Location of well (Report location clearly and in accordance with any State requirements).  At surface  1980 FEL & 660 FNI.  At total depth Same  14. Permit No. Date Insued  15. Date speed 16. Date t.d. reached 17. Date compl. (Ready to prod.) 18. Elevations (Df. Righ, Rt., Gr., Etc.). 19. Elev. Casinghead 6-04-81 7-06-81  20. Total depth, MD & TVD 21. Flug, Each t.d., MD & TVD 22. IF MULTIPLE COMPL. (Ready to prod.) 18. Elevations (Df. Righ, Rt., Gr., Etc.). 19. Elev. Casinghead 19. Mov MANY. 19. Date tools 0-8800  8759'  10. Farm or lease Name  10. Field and pool, or wildcat  N. Young Bone Springs  11. Sec. T. R. N. OR Block and Survey of Area  12. County or 13. State  Parish  Lea Name  3864.3'  3864.3'  28. Intervals Rotary tools Cable tools  Dilled by O-8800  25. Was directional survey Made  26. The Field and Pool, or wildcat  N. Young Bone Springs  15. Date springs  16. Farm or lease Name  5. Farm or lease Name  5. Farm or lease Name  5. Farm or lease Name  10. Field and pool, or wildcat  N. Young Bone Springs  11. Sec. T. R. N. OR Block and Survey of Area  12. County or 13. State  Parish  Lea Name  13. State  14. Permit No. Date instead  15. Date springs  16. Date instead  17. Date completed by Date instead  18. Sec. 10, T-18S, R-32E  19. Elevations (Dr. Righ, Rt., Gr., Etc.). OR AREA  19. Elevations (Dr. Righ, Rt., Gr., Etc.). OR AREA  19. Elevations (Dr. Righ, Rt., Gr., Etc.). OR AREA  20. Total depth, MD a TVD 21. Flug, Eack T.D., MD a TVD 22. If MULTIPLE COMPIL.  22. Intervals Rotary tools Cable tools  23. Intervals Rotary tools Screen Name  24. Production interval(S), of this confliction—top, Bottom, Name (MD and TVD).  25. Was directional Screen Name  26. The Field and Pool, or William  27. Each Name  28. The Field and Pool, or William  28. Each Area  29. Exercises and Reader  29. Exercises and Reader  20. Exercises and Reader  20. The Field and Reader  20. The Field and Reader  20. Exerci
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3. Address of operator  P. O. Box 1933. Roswell New Mexico. 88201  4. Location of well (Report location clearly and in accordance with any State requirements).  At surface  1980 FEL & 660 FNL  At total depth Same  14. Permit No. Date Insted  15. Date spudded 16. Date t.d. reached 17. Date compl. (Ready to prod.) 18. Edevations (DF, RKB, RT, GR, ETC.). 19. Elev. Casinghead 6-04-81  7-06-81  20. Total depth, Md & TVD 21. Plug, Back t.d., Md & TVD 22. IF MULTIPLE COMPL. (Ready to prod.) 18. Edevations (DF, RKB, RT, GR, ETC.). 19. Elev. Casinghead 19. MM 19. Many.
P. O. Box 1933. Roswell New Mexico 88201  4. Location of Well (Report location clearly and in accordance with any State requirements)*  At surface  1980 FEL & 660 FNL  At total depth Same  14. Permit No. Date Insued  15. Date spudged 16. Date t.d. reached 17. Date compl. (Ready to prod.)  15. Date spudged 16. Date t.d. reached 17. Date compl. (Ready to prod.)  16. Date spudged 17. Date compl. (Ready to prod.)  18. Elevations (Df. Righ, Rt., Gr., Etc.)*  19. Elev. Casinghead 19. Total depth, MD a TVD 21. Plug, Back t.d., MD a TVD 22. If multiple compl. (Ready to prod.)  10. Field and pool, or wildcat  N. Young Bone Springs  11. Sec., T., R., M., or Block and Survey of Arganish Lea.  NM. Parish N. Young Bone Springs  12. COUNTY OR AREA  NM. Sec., T., R., M., or Block and Survey of Arganish Lea.  NM. Parish N. Young Bone Springs  13. State Parish N. Young Bone Springs  14. Permit No. Date insued 12. County or 13. State Parish Name (MD and TVD)  15. Elevations (Df. Righ, Rt., GR, Etc.)*  16. The Sec. Total depth, MD a TVD 21. Plug, Back t.d., MD a TVD 22. If multiple compl., How Many*  17. The Sec. T., R., M., or Block and Survey Argent Sec. 10, T-18S, R-32E  18. Sec. 10, T-18S, R-32E  19. Elev. Casinghead Name (MD and TVD)  19. Elev. Casinghead Name (MD and TVD)  20. Total depth, MD a TVD 21. Plug, Back t.d., MD a TVD 22. If multiple compl., Botton, Name (MD and TVD)  21. Producing interval(s), of this completion—top, Botton, Name (MD and TVD)  22. Was directional Survey Made
At surface  1980 FEL & 660 FNL  At top prod. Interval reported below  At total depth Same  14. Permit No.  Date Issued  15. Date spedded  16. Date t.d. reached 17. Date compl. (Ready to prod.) 18. ELEVATIONS (DF. RKB, RT. GR. ETC.)*  17. Date spedded  18. Date t.d. reached 17. Date compl. (Ready to prod.) 18. ELEVATIONS (DF. RKB, RT. GR. ETC.)*  19. ELEV. CASINGHEAD  10. Total depth, MD & TVD 21. Plug, BACK T.D., MD & TVD 22. IF MULTIPLE COMPIL. (Ready to prod.) 23. INTERVALS DRILLED BY 0-8800  24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*  15. Date spedded 16. Date t.d. Reached 17. Date compl. (Ready to prod.) 18. ELEVATIONS (DF. RKB, RT. GR. ETC.)*  16. Date spedded 17. Date compl. (Ready to prod.) 18. ELEVATIONS (DF. RKB, RT. GR. ETC.)*  19. ELEV. CASINGHEAD 3864.3'  3864.3'  3864.3'  0-8800  25. WAS DIRECTIONAL SURVEY MADE
At surface  1980 FEL & 660 FNL  At top prod. Interval reported below  At total depth Same  14. Permit No.  Date Issued  15. Date spedded  16. Date t.d. reached 17. Date compl. (Ready to prod.) 18. ELEVATIONS (DF. RKB, RT. GR. ETC.)*  17. Date spedded  18. Date t.d. reached 17. Date compl. (Ready to prod.) 18. ELEVATIONS (DF. RKB, RT. GR. ETC.)*  19. ELEV. CASINGHEAD  10. Total depth, MD & TVD 21. Plug, BACK T.D., MD & TVD 22. IF MULTIPLE COMPIL. (Ready to prod.) 23. INTERVALS DRILLED BY 0-8800  24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*  15. Date spedded 16. Date t.d. Reached 17. Date compl. (Ready to prod.) 18. ELEVATIONS (DF. RKB, RT. GR. ETC.)*  16. Date spedded 17. Date compl. (Ready to prod.) 18. ELEVATIONS (DF. RKB, RT. GR. ETC.)*  19. ELEV. CASINGHEAD 3864.3'  3864.3'  3864.3'  0-8800  25. WAS DIRECTIONAL SURVEY MADE
At top prod. interval reported below  At total depth Same  Sec. 10, T-18S, R-32E  14. PERMIT NO. DATE INSUED  15. DATE SPUDDED   16. DATE T.D. REACHED   17. DATE COMPL. (Ready to prod.)   18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*   19. ELEV. CASINGHEAD   18. DATE DEPTH, MD A TVD   21. PLUG, BACK T.D., MD A TVD   22. IF MULTIPLE COMPD.   18. DRILLED BY   18. DRILL
At total depth Same  At total depth Same  14. Permit No.  Date Issued  15. Date spudded  16. Date t.d. reached 17. Date compl. (Ready to prod.)  18. ELEVATIONS (DF, RKB, RT, GR, ETC.)  19. ELEV. CASINGHEAD  10. Total Depth, MD & TVD  20. Total Depth, MD & TVD  21. Plug, Back t.d., MD & TVD  22. IF MULTIPLE COMPD.  12. HOW MANY  23. INTERVALS DRILLED BY  24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)  26. TYPE PLEATER AND AND AND SPIRITED  27. TYPE PLEATER AND AND AND SPIRITED  28. TYPE PLEATER AND AND AND SPIRITED  29. TYPE PLEATER AND AND SPIRITED  20. TYPE PLEATER AND AND SPIRITED  21. TOTAL DEPTH AND AND SPIRITED  22. WAS DIRECTIONAL SURVEY MADE
14. PERMIT NO. DATE INSUED  12. COUNTY OR PARISH  15. DATE SPUDDED  16. DATE T.D. REACHED 17. DATE COMPL. (Ready to prod.)  18. ELEVATIONS (DF, RKB, RT, GR, ETC.)  19. ELEV. CASINGHEAD  3864.3' GR  20. TOTAL DEPTH, MD & TVD 21. PLUG, BACK T.D., MD & TVD 22. IF MULTIPLE COMPL. HOW MANY  8800 8759'  24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)  8478 - 8493' Bone Spring
14. PERMIT NO. DATE INSUED  12. COUNTY OR PARISH  15. DATE SPUDDED  16. DATE T.D. REACHED 17. DATE COMPL. (Ready to prod.)  18. ELEVATIONS (DF, RKB, RT, GR, ETC.)  19. ELEV. CASINGHEAD  3864.3'  20. TOTAL DEPTH, MD & TVD 21. PLUO, BACK T.D., MD & TVD 22. IF MULTIPLE COMPL. HOW MANY  8800 8759'  24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)  8478 - 8493' Bone Spring
14. PERMIT NO.  DATE INSUED  12. COUNTY OR PARISH  Lea  NM  15. DATE SPUDDED  16. DATE T.D. REACHED  17. DATE COMPL. (Ready to prod.)  18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 19. ELEV. CASINGHEAD  3864.3' GR  20. TOTAL DEPTH, MD & TVD  21. PLUG, BACK T.D., MD & TVD  4. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*  24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*  25. WAS DIRECTIONAL SURVEY MADE
15. DATE SPUDDED   16. DATE T.D. REACHED   17. DATE COMPL. (Ready to prod.)   18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*   19. ELEV. CASINGHEAD   3864.3' GR   3864.
10. DATE T.D. REACHED 11. DATE COMPL. (Ready to prod.) 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 19. ELEV. CASINGHEAD 3864.3' GR 3864.3' GR 3864.3'  20. TOTAL DEPTH, MD & TVD 21. PLUG, BACK T.D., MD & TVD HOW MANY* 22. IF MULTIPLE COMPLA, PRODUCING INTERVALS DRILLED BY 0-8800  24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*  26. TAKE SELECTION AND SE
20. TOTAL DEPTH, MD & TVD 21. PLUG, BACK T.D., MD & TVD 22. IF MULTIPLE COMPT. 23. INTERVALS DRILLED BY 0-8800 CABLE TOOLS  8800 8759' 0-8800  24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*  8478 - 8493' Bone Spring
8800 8759' HOW MANY* DRILLED BY 0-8800  24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*  8478 - 8493' Bone Spring
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*  25. WAS DIRECTIONAL SURVEY MADE  8478 - 8493' Bone Spring
8478 - 8493' Bone Spring
26 TYPE PIECEPIA AND OFFICE AND O
26 TYPE PIECEPIA AND OFFICE AND O
CNL, FDC, GR-SPEC, DLL-SFL, GR-CBL Yes
25. CASING RECORD (Report all strings set in well)
CASING SIZE WEIGHT, LB./FT. DEPTH SET (MD) HOLE SIZE CEMENTING RECORD AMOUNT PULLED
13 3/8 48# - 54# 645 17 1/2 550 sxs None
8 5/8 24#-28#-32# 4650 11" 2000 sxs None
4 1/2 10.5#-11.6# 8800 7 7/8 700 sxs None
29. LINER RECORD 30. TUBING RECORD
SIZE TOP (MD) BOTTOM (MD) SACKS CEMENT. SCREEN (MD) SIZE DEPTH SET (MD) PACKER SET (MD)
None 2 3/8 8408 8408
31. PERFORATION BLOORD (Interval, size and number) 32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.
8478 - 8493 0.44" dia - 30 shots DEPTH INTERVAL (MD) AMOUNT AND KIND OF MATERIAL USED
8478 - 8493 250 gal - 10% Acetic
1500 gal - 15% MSR-100, w/50
SCF N./Bbl & Ballscalers
DATE VIRST PRODUCTION   PRODUCTION METHOD / Electric and Market Production Method / Electric and Method /
shut-in)
DATE OF TEST   HOURS TESTED   CHONE SIZE   DROPEN TOO
7-27-81 24 24/64" 408 478 0 1172
FLOW, TUBING PRESS.   CASING PRESSURE   CALCULATED OIL-BBL. GAS-MCF. WITER-BPI   OU. CANDER OF COMMERCED OF C
400 0 24-nour rate 408 478 0 37
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)
Vented N. M. Young
35. LIST OF ATTACHMENTS
ACCEPTED FOR RECORD
36. I hereby certify that the foregoing and attached information is complete and correct as intermined from all available records
Sech Hardle
SIGNED TITLE FOR INCOME JULY 29, 1981

## NSTRUCTIONS

and/or State office. 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 abmitted, 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.

tion and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. 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.), forma-All attachments

should be listed on this form, see item 35.

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 or Federal office for specific instructions.

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. Hems 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.

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.)

37. SI	SUMMARY OF POROUS ZONES: SHOW ALL IMPORTANT ZONES O DEPTH INTERVAL TESTED, CUSH	US ZONES: 'ANT ZONES OF PORTESTED, CUSHION	ROSITY AND CONTENT	MARY 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, PLOWING AND SHUT-IN PRESSURES, AND RECOVERIES	38. GEOLOGIC A	MARKERS	AUI	i 00
	FORMATION	TOP	воттом	DESCRIPTION, CONTENTS, ETC.	MWW	TOP		1
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ur race no	NOCK & Neu beu	Би	3000		Yates 2	2747		
,	, 1		3006		/-Rivers 3	3193		
•	Anhu a man	3206	3042		Bowers	3047		
<b>1</b>	Lime	3942	6438		Queen 4	4168		
I	Lime & Shale	6438	7057		rq 	4454		
10	Shale & Lime	705/	8074		es	4810		
H		80/4	8382		 	6304		
I	Lime & Shale	8382	8800		Bone Spring	7940		
					Bone Spring Pay 8	8478		
					D	8800		
						7 at		
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