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**NEW MEXICO OIL CONSERVATION COMMISSION
WELL COMPLETION OR RECOMPLETION REPORT AND LOG**

Form O-165
Revised 10-88

10. TYPE OF WELL

GIL WELL ☐ GAS WELL ☒ DRY ☐ OTHER ☐

11. TYPE OF COMPLETION

NEW WELL ☒ WORK OVER ☐ DEEPEN ☐ PLUG BACK ☐ DEEP RE-ENTRY ☐ OTHER ☐ **Re-Entry**

2. Name of Operator

Harvey E. Yates Company

3. Address of Operator

P. O. Box 1933, Roswell, New Mexico 88201

4. Location of Well

UNIT LETTER **C** LOCATED **660** FEET FROM THE **North** LINE AND **1980** FEET FROM **West** LINE OF SEC. **32** TWP. **13S** RGE. **36E**

15. Date Spudded **3-6-80** 16. Date T.D. Reached **5-18-80** 17. Date Compl. (Ready to Prod.) **6-19-80** 18. Elevation (H.F., RKB, RT, GR, etc.) **3975' GR** 19. Elev. Casinghead **3975**

20. Total Depth **13,698'** 21. Plug Back T.D. **13,050'** 22. If Multiple Completion, How Many **1** 23. Interval Drilled by Rotary Tools **4700' - 13,698'** Cable Tools **0 - 4700'**

24. Producing Interval(s), of this completion - Top, Bottom, Name **12,315' - 12,900' ATOKA**

26. Type Electric and Other Logs Run **Dresser Atlas CN/CDL/DLL/MLL/GR**

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

CASING SIZE	WEIGHT LB. FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
Exist: 13 3/8	48#	369	17 1/2"	400 SXS	None
9 5/8	40#	4,600	12 1/4"	3,400 SXS	None
Heyco Ran: 5 1/2	17# & 20#	13,150	8 3/4"	2,100 SXS	None

29. LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN
- N O N E -				

31. Perforation Record (Interval, size and number)

12,315 - 331'	17'	1/2" dia.	68 shots
12,539 - 553'	16'	1/2" dia.	64 shots
12,637 - 642'	6'	1/2" dia.	24 shots
12,855 - 860'	6'	1/2" dia.	24 shots
12,873 - 900'	28'	1/2" dia.	112 shots

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

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
12,855' - 12,900'	1000 gal - 7 1/2% MS
12,539' - 12,642'	1000 gal - 7 1/2% MS
12,315' - 12,331'	1000 gal - 7 1/2% MS
12,315' - 12,900'	75000 gal - 7 1/2% MS w/3 stages

33. PRODUCTION **60/40 block w/1000 SCT N₂/BBL**

Date First Production **6-12-80** Production Method (Flowing, gas lift, pumping - Size and type pump) **Flowing** Well Status (Prod. or Shut-in) **Shut-in**

Date of Test	Hours Tested	Choke Size	Prod'n. Per Test Period	Oil - BBL	Gas - MCF	Water - BBL	Gas - Oil Ratio
6-18-80	12	1/2"		trace	416	14	

Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - BBL	Gas - MCF	Water - BBL	Oil Gravity - API (Corr.)
120	0		2	832	28	45.3

34. Disposition of Gas (Sold, used for fuel, vented, etc.) **Vented**

Test Witnessed by **Eddie Elliott**

35. List of Attachments

36. 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.

SIGNED **Paul T. Hansen** TITLE **Engineer** DATE **June 25, 1980**

INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Commission not later than 30 days after the completion of any newly-drilled or deepened well. It shall be accompanied by one copy of all electrical and radio-activity logs run on the well and a summary of all special tests conducted, including drill stem tests. All of the reported shall be measured by them in the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completion, items 3a through 3d shall be reported for each zone. The form is to be filed in quadruplicate except on state land, where six copies are required. Two (2) fee, 1105.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

Northwestern New Mexico Southeastern New Mexico

T. Anby	T. Canyon	11,626'	T. Ojo Alamo	T. Penn. "GP"
T. Salt	T. Strawn	12,275'	T. Rindhead-Fruitland	T. Penn. "C"
T. Salt	T. Aloka	13,380'	T. Pictured Cliffs	T. Penn. "D"
T. Yates	T. Miss	14,715'	T. Cliff House	T. Leadville
T. 7 Rivers	T. Devonian		T. Menefee	T. Madison
T. Queen	T. Silurian		T. Point Lookout	T. Elbert
T. Garburg	T. Montoya		T. Mancos	T. McCracken
T. San Andres	T. Simpson		T. Gallup	T. Ignacio Ortiz
T. Glorieta	T. McKee		T. Rose Greenhorn	T. Granite
T. Padonch	T. Ellenburger		T. Dakota	T. T.
T. Blinberry	T. Gr. Wash		T. Morrison	T. T.
T. Tabb	T. Granite		T. Todillo	T. T.
T. Drinkard	T. Delaware Sand		T. Entrada	T. T.
T. Abo	T. Bone Springs		T. Wingate	T. T.
T. Wolfcamp	T. Miss. L.	13,380	T. Chinle	T. T.
T. Penn.	T. Morrow	12,977	T. Permian	T. T.
T. Cisco (Bough C)	T. Austin	13,363	T. Penn. "A"	T. T.

OIL OR GAS SANDS OR ZONES

No. 1, from	12,315'	to	12,900'	No. 4, from	to
No. 2, from	to	No. 5, from	to	No. 6, from	to
No. 3, from	to				

IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from	to	feet.
No. 2, from	to	feet.
No. 3, from	to	feet.
No. 4, from	to	feet.

FORMATION RECORD (Attach additional sheets if necessary)

From	To	Thickness in Feet	Formation
11,320'	11,342'	22	Lime, shale & chert
11,342'	12,455'	1,113	Lime & shale
12,455'	12,579'	124	Shale
12,529'	12,912'	383	Lime & shale
12,912'	12,922'	10	Shale
19,922'	12,950'	6,972	Lime & shale
12,950'	13,090'	140	Shale
13,090'	13,261'	171	Shale, lime & chert
13,261'	13,286'	25	Lime & shale
13,286'	13,540'	254	Shale
13,540'	13,698'	158	Lime & shale

WELL NAME AND NUMBER Betenbough #1

LOCATION 660/N, 1980/W, Section 32, T13S, R36E, Lea County, New Mexico
(New Mexico give U.S.T&R: Texas give S, BLK, SURV. and TWP)

OPERATOR Harvey E. Yates Company

DRILLING CONTRACTOR MORANCO

The undersigned hereby certifies that he is an authorized representative of the drilling contractor who drilled the above-described well and that he has conducted deviation tests and obtained the following results:

<u>Degrees and Depth</u>	<u>Degrees and Depth</u>	<u>Degrees and Depth</u>	<u>Degrees and Depth</u>
<u>2 3/4</u> <u>11384</u>	<u>1 1/2</u> <u>13550</u>		
<u>2 3/4</u> <u>11455</u>			
<u>4</u> <u>11650</u>			
<u>3 3/4</u> <u>11754</u>			
<u>4</u> <u>11849</u>			
<u>3 3/4</u> <u>11933</u>			
<u>3 1/2</u> <u>12069</u>			
<u>3</u> <u>12228</u>			
<u>2 3/4</u> <u>12347</u>			
<u>2 1/4</u> <u>12674</u>			
<u>3 1/4</u> <u>12909</u>			
<u>2 1/2</u> <u>13270</u>			

Drilling Contractor MORANCO

By Jerry Gilbert
Jerry Gilbert, Vice President Engineering

Subscribed and sworn to before me this 27th day of May 1980

