

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENTU.C.L. CONSERVATION DIVISION
P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

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U.S.G.S.	
LAND OFFICE	
OPERATOR	

5a. Indicate Type of Lease	
State ☐	Fee ☒
5. State Oil & Gas Lease No.	
7. Unit Agreement Name McDonald Unit	
8. Farm or Lease Name	
9. Well No. 1	
10. Field and Pool, or Wildcat Wildcat UNDESIGNATED 9205 <i>Adelphi</i> <i>Adelphi</i>	
12. County Lea	

1. TYPE OF WELL
 OIL WELL ☐ GAS WELL ☒ DRY ☐ OTHER ☐

2. TYPE OF COMPLETION
 NEW WELL ☒ WORK OVER ☐ DEEPEN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ OTHER ☐

3. Name of Operator
 Harvey E. Yates Company

4. Address of Operator
 P. O. Box 1933, Roswell, New Mexico 88201

5. Location of Well
 UNIT LETTER P LOCATED 660 FEET FROM THE South LINE AND 990 FEET FROM

6. East LINE OF SEC. 33 TWP. 13S RGE. 36E NMPM

15. Date Spudded 6/13/81 16. Date T.D. Reached 9/18/81 17. Date Compl. (Ready to Prod.) 3/23/82 18. Elevations (DF, RKB, RT, GR, etc.) 3966.4 RKB 19. Elev. Casinghead 3951 GR

20. Total Depth 14593 21. Plug Back T.D. 12965 22. If Multiple Compl., How Many - 23. Intervals Drilled By Rotary Tools 0-14593 Cable Tools -

24. Producing Interval(s), of this completion - Top, Bottom, Name
12740 to 12782 (Atoka)

25. Was Directional Survey Made
NO

26. Type Electric and Other Logs Run
Dresser Atlas CD/CN/GR & DLL/MLL Geo Vann GR/N CBL

27. Was Well Cored
NO

28. 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	367	17 1/2	400 SX	0
8 5/8	28-24-32	4611	11	2150 SXS	0
5 1/2	30 - 17	14587	7 7/8	1) 280 sxs 2) 475 sxs DV tool @13500' 3) 650 sxs DV Tool @ 11400'	0

29. LINER RECORD				30. TUBING RECORD			
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET
	NONL				2 3/8	12707	12707

31. Perforation Record (Interval, size and number) <u>12740 to 12782' w/4 JSPF 168 - 1/2" holes</u>		32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.	
DEPTH INTERVAL		AMOUNT AND KIND MATERIAL USED	
<u>12740 - 12782</u>		<u>500 gals 10% MCA</u>	
		<u>5000 gals 7.5% Morrow Flow Mod</u>	
		<u>15000 gals 7.5% Morrow Flos Mod</u>	

33. PRODUCTION							
Date First Production <u>2/25/82</u>		Production Method (Flowing, gas lift, pumping - Size and type pump) <u>Flowing</u>				Well Status (Prod. or Shut-in) <u>Shut In</u>	
Date of Test <u>2/23/82</u>	Hours Tested <u>1.0 hrs</u>	Choke Size <u>3/8</u>	Prod'n. For Test Period <u>→</u>	Oil - Bbl. <u>-</u>	Gas - MCF <u>129</u>	Water - Bbl. <u>trace</u>	Gas - Oil Ratio <u>-</u>
Flow Tubing Press. <u>900</u>	Casing Pressure <u>-</u>	Calculated 24-Hour Rate <u>→</u>	Oil - Bbl. <u>-</u>	Gas - MCF <u>3104</u>	Water - Bbl. <u>trace</u>	Oil Gravity - API (Corr.) <u>-</u>	

34. Disposition of Gas (Sold, used for fuel, vented, etc.)
 Test Witnessed By

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 Peck T. Sander TITLE Engineer DATE March 24, 1982

M

C.C.D.
HOBBS OFFICE

This form is to be filed with the appropriate District Office of the Division not later than 20 days after the completion of any newly-drilled or deepened well. It shall be accompanied by one copy of all electrical and radioactivity logs run on the well and a summary of all special tests conducted, including all depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, Items 10 through 14 shall be reported for each zone. This form is to be filed in quadruplicate except on large land, where six copies are required. See Rule 1105.

**OCD
HOBBBS OFFICE**

MAR 29 1987

IN REPLY TO TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

Northeastern New Mexico

RECEIVED
SOUTHEASTERN NEW MEXICO

RECEIVED

Locality	Altitude (Feet)	Geological Notes
T. Anby	2140	Canyon
T. Salt	2227	Strawn
U. Salt	2952	Aloka
T. Yates	3086	Miss Lime
T. 7 Rivers	3216	Devenian
T. Queen	3850	Silurian
T. Grayburg	4253	Montoya
T. San Andies	4527	Simpson
T. Giorsta		McKee
T. Paddock		Ellenburger
T. Blinbury		Gr. Wash
T. Tubb		Granite
T. Drinkard		Delaware Sand
T. Abo	8190	Bone Springs
T. Wolfcamp	9744	Monnow Lime
T. Penn.	10509	Austin Miss
T. Cisco (Bough C)		Chester
T. Penn. "A"	13278	
T. Pennian	13059	
T. Chiale	12792	
T. Wingate		
T. Entrada		
T. Todillo		
T. Morrison		
T. Dakota		
T. Base Greenhorn		
T. Granite		
T. Ignacio Ortiz		
T. McCracken		
T. Elbert		
T. Madison		
T. Leadville		
T. Penn. "D"		
T. Penn. "C"		
T. Penn. "B"		
T. Ojo Alamo	10963	
T. Kirtland-Fruitland	11567	
T. Pictured Cliffs	12213	
T. Cliff House	13550	
T. Menefee	14352	
T. Point Lookout		
T. Mancos		
T. Gallup		
T. Base Greenhorn		
T. Granite		
Woodford	14290	

IMPORTANT WATER SANDS

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

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

FORMATION RECORD (Attach additional sheets if necessary)

From	To	Thickness in Feet	Formation
0	2260	2260	Red Bed
2260	4600	2340	Anhy
4600	8187	3587	Lime
8187	8445	258	Dolo
8445	9833	1388	Shale & Sand
9833	10341	508	Dolo, Shale & Lime
10341	11344	1003	Shale
11344	14547	3203	Lime & Shale
14547	14582	35	Lime & Dolo

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WELL NAME AND NUMBER McDonald Unit #1

MAR 25 1982

LOCATION Section 33, T13S, R36E, Lea County, New Mexico

O. C. D.

(New Mexico give U.S.T&R: Texas give S, BLK, SURV. and TWP)

ARTESIA, OFFICE

OPERATOR Harvey E. Yates Co.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>1/4 130</u>	<u>1 1/2 5872</u>	<u>6 12305</u>	
<u>1/4 360</u>	<u>1 1/2 6337</u>	<u>5 12708</u>	
<u>1/4 851</u>	<u>2 6820</u>	<u>5 1/4 13118</u>	
<u>1/4 1351</u>	<u>2 1/4 7320</u>	<u>4 3/4 13654</u>	
<u>1/4 1826</u>	<u>2 1/4 7880</u>	<u>7 1/4 14137</u>	
<u>3/4 2212</u>	<u>3 8371</u>	<u>8 14582</u>	
<u>1/2 2650</u>	<u>3 8774</u>		
<u>1/2 3145</u>	<u>4 9300</u>		
<u>1/4 3685</u>	<u>3 1/4 10055</u>		
<u>3/4 4140</u>	<u>2 3/4 10576</u>		
<u>1/2 4600</u>	<u>3 3/4 11330</u>		
<u>1 1/4 5399</u>	<u>2 11722</u>		

Drilling Contractor MORANCO

By

Jerry Gilbert
Jerry Gilbert - PresidentSubscribed and sworn to before me this 14th day of October 1981

My Commission expires:

August 3, 1985Dicky Garcia
Notary Public

Lea County, New Mexico

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MAR 23 1992
C.D.
HOSBY OFFICE

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

Form C-103
Revised 10-1-78

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5a. Indicate Type of Lease	
State ☐	Fee ☒
5. State Oil & Gas Lease No.	

SUNDRY NOTICES AND REPORTS ON WELLS

(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT -" (FORM C-101) FOR SUCH PROPOSALS.)

1. OIL ☐ GAS ☒ OTHER- WELL WELL		7. Unit Agreement Name McDonald Unit
2. Name of Operator Harvey E. Yates Company		8. Farm or Lease Name
3. Address of Operator P. O. Box 1933, Roswell, New Mexico 88201		9. Well No. 1
4. Location of Well UNIT LETTER P 660 FEET FROM THE South LINE AND 990 FEET FROM THE East LINE, SECTION 33 TOWNSHIP 13S RANGE 36 26E NMPM.		10. Field and Pool, or Wildcat Wildcat
15. Elevation (Show whether DF, RT, GR, etc.) 3951.4 GR		12. County Lea

16. Check Appropriate Box To Indicate Nature of Notice, Report or Other Data			
NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK ☐	PLUG AND ABANDON ☐	REMEDIAL WORK ☐	ALTERING CASING ☐
TEMPORARILY ABANDON ☐	CHANGE PLANS ☐	COMMENCE DRILLING OPNS. ☐	PLUG AND ABANDONMENT ☐
PULL OR ALTER CASING ☐		CASING TEST AND CEMENT JOBS ☐	
OTHER Plug back & Recomplete in Miss-Chester ☒		OTHER ☐	

17. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

1/27/82 POH w/tubing and packer. TIH w/CIBP & set on wireline @ 14450'. Spot 35 sx cement on top CIBP w/wireline dump bailer.
1/28/82 Perf 5 1/2 csg from 13206' to 13377' @ various intervals w/one JSPF. Total 15 holes.
1/29/82 TIH w/tubing packer. Spot acid across perfs. PU & Set Packer @ 13150'. Break down perfs, acidize & test.

18. I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNED Paul Harder TITLE Engineer DATE 1/27/82

APPROVED BY [Signature] TITLE [Signature] DATE FEB 1 1982

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION

P. O. BOX 2088

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Form C-103
Revised 10-1-73

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5a. Indicate Type of Lease	
State ☐	Fee ☒
5. State Oil & Gas Lease No.	

SUNDRY NOTICES AND REPORTS ON WELLS

(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT - 1" (FORM C-101) FOR SUCH PROPOSALS.)

1. OIL WELL ☒ GAS WELL ☐ OTHER ☐	7. Unit Agreement Name McDonald Unit
2. Name of Operator Harvey E. Yates Company	8. Farm or Lease Name
3. Address of Operator P. O. Box 1933, Roswell, New Mexico 88201	9. Well No. 1
4. Location of Well UNIT LETTER P 660 FEET FROM THE South LINE AND 990 FEET FROM THE East LINE, SECTION 33 TOWNSHIP 13S RANGE 36E N.M.P.M.	10. Field and Pool, or Wildcat Wildcat
15. Elevation (Show whether DF, RT, GR, etc.) 3951.4	12. County Lea

Check Appropriate Box To Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

PERFORM REMEDIAL WORK ☐
TEMPORARILY ABANDON ☐
PULL OR ALTER CASING ☐
OTHER ☐

PLUG AND ABANDON ☐
CHANGE PLANS ☐

REMEDIAL WORK ☒
COMMENCE DRILLING OPNS. ☐
CASING TEST AND CEMENT JOBS ☐
OTHER ☒ Perf, Acidize, Swab test & Squeeze,
and drill out Various zones.

ALTERING CASING ☐
PLUG AND ABANDONMENT ☐

17. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

10/13/81 MI & RUCU, TIH w/bit, DC's & 2 7/8" tbg. D/O DV Tool @ 11,450'. Test @ 1500 psi, 30 min. o. k.
10/20/81 D/O 2nd DV Tool @ 13500, float collar @ 14547' and shoe joint to 14580'. Test 5 1/2" csg to 1500 psi - 30 min O.k.
10/23/81 Fin D/O shoe jt & 2' of OH to 14608'. TOH. LD Drlg equipment.
10/26/81 TIH w/LOK-Set pkr & 2 7/8" tbg. Tested in hole to 8000 psi. Set pkr @ 14420' & Swab tested.
10/29/81 Acidized OH from 14606' to 14608' w/250 gals 20% MSR-100.
11/03/81 Re-Acidized OH w/500 gals 20% MSR 100. Swb 60 BO & 27 BLW in 8 hrs.
11/05/82 POH w/tbg & pkr. Perf 14598 - 14600' w/5 holes. Set CIBP @ 14603'. GIH w/Lok-Set Pkr. Pkr would not set. POH.
11/09/81 TIH. A/w 500 gals 20% MSR-100. Swab test. 80 BW & 25 BO/8hrs
11/20/81 SITP 300# Swb 20 BW & 8 BO in 3 hrs. POH. GIH w/Howco Cmt ret. on wireline. Set @ 14588'. Squeeze perfs 14598' to 14600' w/200 sxs.
11/24/81 Perf, 14563' to 14570' w/2 spf. TIH w/tbg & pkr. Set pkr @ 14421'.
11/25/81 Acidize w/500 gals 20% MSR. Swab tested.
12/2/81 Swab 80 BW & 25 BO/8hrs.
12/03/81 Ran Temp & Pump in Tracer Survey, Indicated no channelling up or down.
12/05/81 POH w/tbg & pkr. Set cmt retainer on wireline @ 14555'. TIH w/Stringer &

18. I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNED Perk Hardin TITLE Engineer DATE 1/19/82

APPROVED BY _____ TITLE _____ DATE JAN 22 1982

CONDITIONS OF APPROVAL IF ANY:

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JAN 21 1983

(Cont'd)
12/05/81 Squeeze perfs 14563 - 14570 w/100 sx class "H" cement.
12/08/81 POH w/tbg & pkr. Perf 14510' 14540' w/2 spf. TIH w/Lok Set & 2 7/8" tbg.
12/09/81 A/500 gals 20% MSR 100. Perf 14510 - 14540. Swab Test.
12/13/81 SITP 250 psi. Swb 40 BW & 8 BO.
12/15/81 POH w/tbg & pkr. Perf 14463' to 14480' w/2 spf. Set retainer @ 14501'.
12/16/81 TIH w/tbg & pkr. A/500 gals 20% MSR 100. Perfs 14463 - 14480'. Swab Test.
12/18/81 SITP 150 psi. Swab 60 BF - 99% water. POH w/tbg & pkr.
12/19/81 TIH w/stringer. Stung into retainer @ 14501'. Communicated. POH w/tbg & stringer
12/20/81 GIH w/Slick stringer & open retainer. POH w/tbg.
12/22/81 GIH w/Howco retainer and set on wireline @ 14390'. SIH w/stringer on 2 3/8" tbg.
12/23/81 Sqz perfs 14463' to 14480' and 14510' to 145400' w/ 200 sxs. POH w/tbg.
12/24/81 TIH w/drllg assembly. Began drllg out retainers.
12/31/81 D/O to 14588'. Tstd Sqz perfs from 14463 to 14570' to 2000 psi - 30 min. O.K.
1/06/82 Drld retainer @ 14588' and 12' cmt. Tstd perfs 14598' to 14600 w/2000 psi - 30 min ok
1/07/82 Drld CIBP @ 14603' & 1' new hole to 14609'.
1/09/82 Drld 2' formation - OHTD 14611'.
1/10/82 Drld 6' new hole. OHTD 14617'.
1/15/82 TIH w/tbg & pkr. Set pkr @ 14400'. Swb 50 BLW. FFL 9000'.

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SANTA FE, NEW MEXICO 87501

SUNDRY NOTICES AND REPORTS ON WELLS

DO NOT USE THIS FORM FOR PROPOSED OR TO BE DRILLED OR TO BE DRILLED IN A DIFFERENT RESERVOIR
USE APPLICATION FOR PERMIT TO DRILL (FORM O-101) FOR SUCH PURPOSESOIL
WELL ☐WATER
WELL ☒OTHER ☐

Name of Operator

Harvey E. Yates Company

Address of Operator

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

Location of Well

UNIT LETTER *sl* 660 FEET FROM THE South LINE AND 990 FEET FROM

East SECTION 33 TOWNSHIP 13S RANGE 36E

15. Elevation (Mean of Surface DE, RE, GR, etc.)

3951.4 GR

1a. Indicate Type of Lease State ☐ For ☒
5. State Oil & Gas Lease No.
7. Unit Agreement Name McDonald Unit
8. Name of Lease Owner
9. Well No. 1
10. Field, Pool, or Unit Wildcat
11. County Lea

Check Appropriate Box To Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

PERFORM REMEDIAL WORK ☐TEMPORARILY ABANDON ☐PULL OR ALTER CASING ☐OTHER ☐PLUG AND ABANDON ☐CHANGE PLANS ☐☐REMEDIAL WORK ☐COMMENCE DRILLING OPER. ☐CASING TEST AND CEMENT JOBS ☒OTHER ☐ALTERING CASING ☐PLUG AND ABANDONMENT ☐☐

17. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

9/24/81 Depth-14593', formation-li.

Ran 364 jts 5 1/2" csg and set at 14,587' as follows:

96 jts	5 1/2	20#	LT&C N-80	3885.17'
24 jts	5 1/2	17#	LT&C NTK-95	932.58'
141 jts	5 1/2	17#	LT&C N-80	5738.33'
52 jts	5 1/2	17#	BUTT N-80	2093.23'
51 jts	5 1/2	20#	BUTT N-80	1950.99'
364 jts				14600.30'

Cemented in 3 stages: Class H .5% Halad-22A 7.8# Salt

1st stage 280 sx PD 4:30 a. m. 9/24/81

2nd stage 475 sx PD 10:30 a. m. 9/24/81-DV Tool @ 13500'.

3rd stage 650 sx PD 4:45 p. m. 9/24/81-DV Tool @ 11400'.

18. I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNED

Engineer

DATE

Orig. Signed by
Les Clements

APPROVED BY

Oil & Gas Insp.

TITLE

DATE

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OIL CONSERVATION DIVISION
P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

Form C-101
Revised 10-1-78

SUNDRY NOTICES AND REPORTS ON WELLS

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USE "APPLICATION FOR PERMIT -" (FORM C-101) FOR SUCH PROPOSALS.)

1. ☐ OIL WELL ☒ GAS WELL ☐ OTHER	5a. Indicate Type of Lease State ☐ For ☒
2. Name of Operator Harvey E. Yates Company	5. State Oil & Gas Lease No.
3. Address of Operator P. O. Box 1933, Roswell New Mexico 88201	7. Unit Agreement Name McDonald Unit
4. Location of Well UNIT LETTER <u>P</u> <u>660</u> FEET FROM THE <u>South</u> LINE AND <u>990</u> FEET FROM THE <u>East</u> LINE, SECTION <u>33</u> TOWNSHIP <u>13S</u> RANGE <u>36E</u> N.M.P.M.	8. Farm or Lease Name
	9. Well No. 1
	10. Field and Pool, or Wildcat Wildcat
15. Elevation (Show whether DF, RT, GR, etc.)	12. County Lea

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PERFORM REMEDIAL WORK ☐	PLUG AND ABANDON ☐	REMEDIAL WORK ☐	ALTERING CASING ☐
TEMPORARILY ABANDON ☐	CHANGE PLANS ☐	COMMENCE DRILLING OPERATIONS ☐	PLUG AND ABANDONMENT ☐
PULL OR ALTER CASING ☐	OTHER ☐	CASING TEST AND CEMENT JOBS ☒	OTHER ☐

17. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

6/23/81 Depth-4600' circulating 8 5/8" csg on bottom.
Ran 113 jts (4640.81') 8 5/8", 28#, 24# and 32#, ST&C, J-55 csg and set @ 4611.35'

30 jts 32#	(1210.46')
28 jts 28#	(1129.41')
53 jts 24#	(2222.12')
1 jt 32#	(40.36')
1 jt 28#	(38.46')
113 jts	4640.81'

Cemented w/1950 sx Halliburton Lite w/12# salt, 1/4# Flocele and 3# Gilsonite/sx; followed by 200 sx Class "C" w/2% CaCl/sx. PD @ 8:10 a.m. 6/23/81 w/1700 psi - held o.k. Cement circulated.

6/24/81 Depth-4600'. 20 1/4 hrs-WOC, cutting off csg, NU and Yellow Jacketing; 1/2 hr-press up on csg w/1500 psi. Held O. K.

18. I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNED Pek T. Lardue TITLE Engineer DATE June 30, 1981

APPROVED BY Jerry Sexton DATE July 1, 1981
TITLE Dist. Mgr.

CONDITIONS OF APPROVAL, IF ANY:

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OIL CONSERVATION DIVISION
P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

Form C-103
Revised 10-1-78

10. Indicate Type of Lease	
State ☐	Fee ☒
5. State Oil & Gas Lease No.	
7. Unit Agreement Name	
McDonald Unit	
8. Farm or Lease Name	
9. Well No.	
1	
10. Field and Pool, or Wildcat	
Wildcat	
12. County	
Lea	

SUNDRY NOTICES AND REPORTS ON WELLS

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USE "APPLICATION FOR PERMIT -" (FORM C-101) FOR SUCH PROPOSALS.

1. ☐ OIL WELL ☒ GAS WELL ☐ OTHER	
2. Name of Operator	
Harvey E. Yates Company	
3. Address of Operator	
P. O. Box 1933, Roswell, NM 88201	
4. Location of Well	
UNIT LETTER <u>P</u> <u>660</u> FEET FROM THE <u>South</u> LINE AND <u>990</u> FEET FROM	
THE <u>East</u> LINE, SECTION <u>33</u> TOWNSHIP <u>13S</u> RANGE <u>36E</u> MAP	

15. Elevation (Show whether DF, RT, CR, etc.)
3951.4

Check Appropriate Box To Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐	PLUG AND ABANDON ☐
TEMPORARILY ABANDON ☐	CHANGE PLANS ☐
PULL OR ALTER CASING ☐	OTHER ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐	ALTERING CASING ☐
COMMENCE DRILLING OPNS. ☐	PLUG AND ABANDONMENT ☐
CASING TEST AND CEMENT JOBS ☒	OTHER ☐

17. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

6/13/81 Depth-360' running 13 3/8" csg. Formation-RD Bds;
SPUDDER @ 1:00 p.m. 6/13/81.

Ran 13 jts of 13 3/8" (382.65') 48#, ST&C, MRJ and set @ 367'. Cemented
w/400 sx Class "C" w/2% CaCl. PD @ 9:00 a. m. 6/13/81.

6/15/81 Depth-1610'. Formation-RD Bds; drlg w/native mud; 1/2 hr-testing BOP w/500 psi
Held O. K.

18. I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNED Paul T. Lardue TITLE Engineer DATE 6/22/81

APPROVED BY Harry Sexton TITLE Dist. & Supv. DATE JUN 24 1981

CONDITIONS OF APPROVAL, IF ANY:

20-025-27444

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U.S.G.S.	
LAND OFFICE	
OPERATOR	

NEW MEXICO OIL CONSERVATION COMMISSION

Form C-101
Revised 1-4-65

5A. Indicate Type of Lease
STATE ☐ FEE ☒

5. State Oil & Gas Lease No.

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

6a. Type of Work		7. Unit Agreement Name	
DRILL ☒ DEEPEN ☐ PLUG BACK ☐		McDonald Unit	
6b. Type of Well		8. Term of Lease (Years)	
OIL ☒ GAS ☐ OTHER ☐			
6c. Name of Operator		9. Well No.	
Harvey E. Yates Company		1	
6d. Address of Well		10. Field and Field, or Well Unit	
P. O. Box 1933, Roswell, NM 88201		Wildcat	
6e. Section, Township, Range		12. County	
Section 990, Township 13S, Range 36E		Lea	
6f. Elevation (Show whether DE, RL, etc.)		19. Depth of Well	
3951.4 GR		14,700'	
6g. Estimated Cost of Work		19A. Formation	
\$50,000.00		Mississippian	
6h. Estimated Date of Completion		20. Rotary or C.T.	
June 11, 1981		Rotary	

PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
17 1/2"	375'	48#	375'		Circulate
11"	4600'	24#, 28#	4600'		Circulate
7 7/8"	14700'	17#, 20#	14700'		Sufficient to cover 600' above pay zone

This acreage is not dedicated to a pipeline purchaser.

APPROVAL VALID FOR 180 DAYS
 PERMIT EXPIRES 12/3/81
 UNLESS DRILLING UNDERWAY

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: IF PROPOSAL IS TO DEEPEN OR PLUG BACK, GIVE DATA ON PRESENT PRODUCTIVE ZONE AND PROPOSED NEW PRODUCTIVE ZONE. GIVE BLOWOUT PREVENTION PROGRAM, IF ANY.

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

Signed [Signature] Title Vice President Date June 1, 1981

(This space for State Use)

SUPERVISOR DISTRICT

APPROVED BY [Signature] TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-102
Supersedes C-128
Effective 1-4-65

All distances must be from the outer boundaries of the Section

Operator Harvey E. Yates			Lease McDonald Unit		Well No. 1
Unit Letter P	Section 33	Township 13 South	Range 36 East	County Lea	
Actual Footage Location of Well: 660 feet from the South line and 990 feet from the East line					
Ground Level Elev. 3951.4 GR	Producing Formation Mississippian		Pool Wildcat	Dedicated Acreage: 320 Acres	

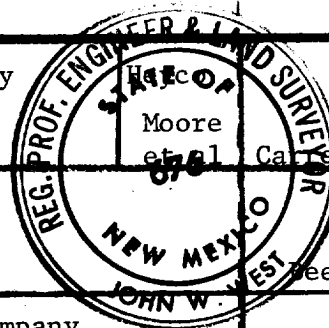
1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

☒ Yes ☐ No If answer is "yes," type of consolidation Unitization

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.)

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.

Heyco, et al		Getty Oil Company		Heyco	
		Beeman, et al		Carrell, et al	
		Heyco		Getty Oil Co.	
		Carrell, et al		Beeman, et al	
		Getty Oil Company		Heyco	
		Beeman, et al		Getty Oil Co.	
		Heyco			
Wilson, et al		Carrell, et al		Beeman, et al	



CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

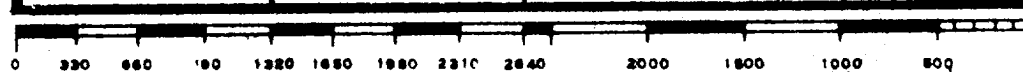
Fred G. Yates

Name
Fred G. Yates
Position
Vice President
Company
Harvey E. Yates Company
Date
June 1, 1981

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed
October 14, 1980
Registered Professional Engineer and/or Land Surveyor

John W. West
Certificate No. **JOHN W. WEST 878**
PATRICK A. ROMERO 8068
Ronald J. Eidson 3239



OIL CONSERVATION DIV.

JUN 2 '81

RECEIVED

DRAWWORKS

Emsco GB-800

Drum: 1¼" Lebus grooved

Compound: 2-engine oil bath chain drive

Brake: Hydromatic Parkersburg 46" Double

ENGINES

Two 610-H.P. D379TA Caterpillar Diesel

DERRICK

Lee C. Moore, 131', 550,000 lb. nominal capacity

SUBSTRUCTURE

Lee C. Moore, 15' high, 550,000 lb. nominal capacity

MUD PUMPS

Pump No. 1: Emsco DB700, 700 H.P. with steel fluid end. 4¾" - 7¾" liners, 16" stroke. Compound-driven.

Pump No. 2: Emsco DA500, 500 H.P. powered by 400 H.P. D353 Caterpillar Diesel.

DRILL STRING

3000' 4-1/1" Grade E, 20 lb.

Tool Joints: 4½" H-90, 6¼" OD,

12000' 4½" Grade E, 16.60 lb.

Tool Joints: 4" H-90, 6" OD

Thirty Drilco spiral-grooved 6½" OD, 2¼" ID. With 4" H-90 Joints.

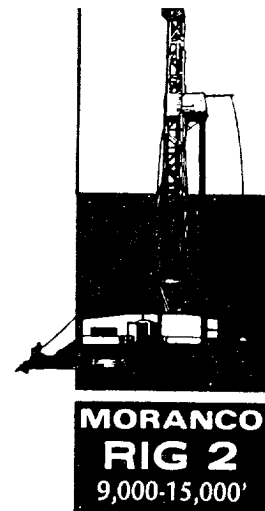
Other sized drillpipe & drillcollars available.

BLOWOUT PREVENTERS

One Shaffer LWS Hydraulic double 10" x 1500 series. One Shaffer Spherical 10" x 1500 series. Choke manifold 4" x 1500 series flanged connections. Payne 4 valve accumulator closing unit.

MUD SYSTEM

3 - 30 x 7½ x 6 steel pits, with 700 Bbl. capacity. Complete low pressure circulating system, consisting of four submerged mud guns and two counter sunk jets in each pit. System utilizes a 6x8 centrifugal pump, powered by diesel.



MUD HOUSE

1 - 8' x 30' Steel Storage House

COMMUNICATIONS

24-Hour direct telephone interconnection through Hobbs (A.C. 505-397-3291) or Midland - Odessa (A.C. 915-563-0562).

OTHER EQUIPMENT

BLOCKS - McKissick 350 Ton

HOOK - BJ4300 350 Ton

SWIVEL - Oilwell PC 425 Ton

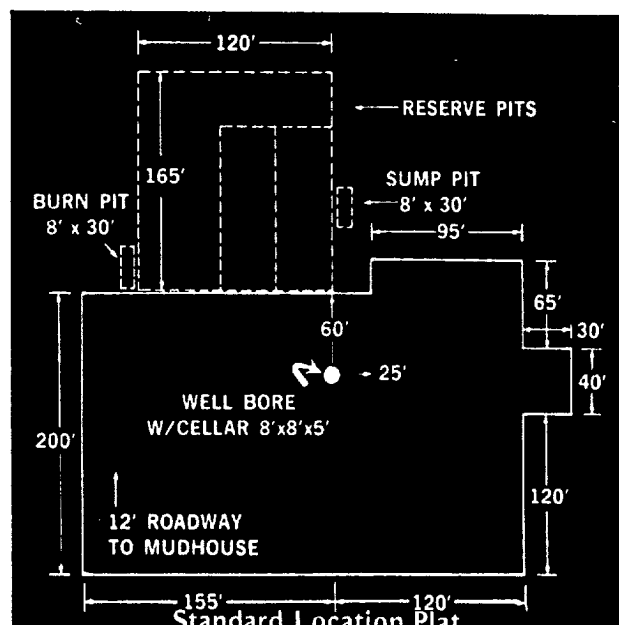
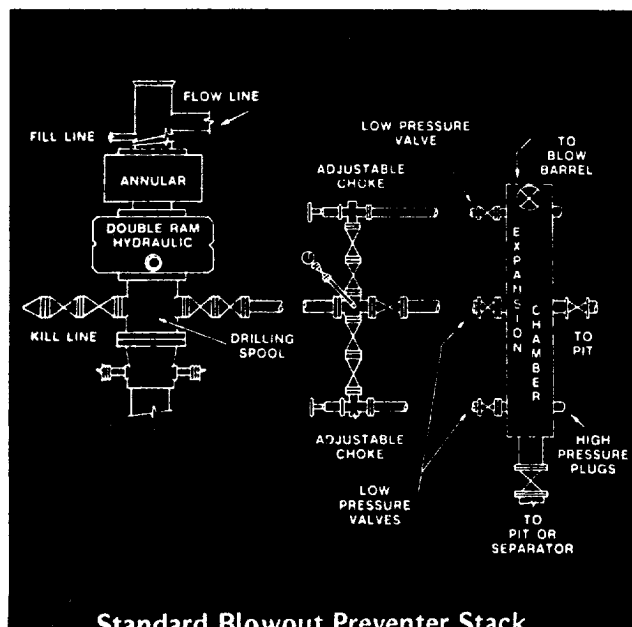
LIGHT PLANTS - One 40 KW and one 20 KW AC generators, powered by diesel engines.

LIGHTS - AC fluorescent or mercury - All vapor proof.

SHALE SHAKER - Link belt, single screen.

FRESH WATER STORAGE - two 500 Bbl., horizontal tanks.

HOUSING - 1 - 8' x 36' airconditioned trailer house, with sleeping and cooking facilities.



OIL CONSERVATION DIV.

JUN 2 '81

RECEIVED

General Bond Log
ELF



LTR



Job separation sheet

LEA

YATES, HARVEY E. CO.

Wildcat

1 McDonald Unit

Sec 33, T13S, R36E

NM

Page #2

9-21-81 TD 14,593; Rng DST
9-29-81 TD 14,608; WOCT
DST (Devonian) 14,450-593, op 4 hrs, DP rec
(NA) (Sampler rec 5.5 CFT GAS + 1350 CC OIL
+ 100 CC MUD @ 540), 1 hr ISIP 5428, FP
4572-919, 1 hr Second SIP 5142, FFP 977-
1382, 1 hr FSIP 4638, HP 7533
12-1-81 TD 14,608; PBD 14,580; Prep Acid
Acid (14,587-608) 500 gals
Swbd 8 BO + 20 BW in 3 hrs (14,587-608)
Ret @ 14,580
Sqzd (14,587-608) 200 sx
Perf (Devonian) 14,563-570 w/2 SPF
4-3-17 NM

12-15-81 TD 14,608; PBD 14,555; Prep Acid
Acid (14,563-570) 500 gals
Ret @ 14,555
Sqzd (14,563-570) 100 sx
Perf (Devonian) 14,510-540 w/2 SPF
Acid (14,510-540) 500 gals
Perf (Devonian) 14,463-480 w/2 SPF
1-5-82 TD 14,608; PBD 14,555; SI
Acid (14,463-480) 500 gals
1-25-82 TD 14,614; SI
Ret @ 14,390
Sqzd (14,463-540) 200 sx
DOC & Deepened 14,608-14,614
Swbd 8 BW (14,587-614)
2-9-82 TD 14,614; PBD 13,190; Prep Acid
Acid (14,587-614) 4000 gals
Cmt ret @ 13,190 4-3-17 NM

LEA

YATES, HARVEY E. CO.

Wildcat

1 McDonald Unit

Sec 33, T13S, R36E

NM

Page #3

2-9-82

Continued

Perf (Austin) @ 13,073, 13,077, 13,080,
13,086, 13,090, 13,094, 13,098, 13,102,
13,104, 13,106, 13,108, 13,114, 13,123,
13,127, 13,132, 13,137, 13,144, 13,147,
13,151, 13,154, 13,170, 13,176 w/2 SPI

2-16-82

TD 14,614; PBD 13,190; Swbg

Acid (13,073-176) 2000 gals

3-1-82

TD 14,614; PBD 13,190; Swbg

Acid (13,073-176) 5000 gals

3-10-82

TD 14,614; PBD 13,190; Swbg

Acid (13,073-176) 15,000 gals + 158,000

SCF N2

4-3-17 NM

3-17-82

TD 14,614; PBD 12,965; SI

Swbd wtr w/tr Oil (13,073-176)

CIBP @ 12,965

3-25-82

TD 14,614; PBD 12,965; WO PLC

Perf (Atoka) 12,740-782

Acid (12,740-782) 20,500 gals

4-12-82

TD 14,614; PBD 12,965; Complete

*(Pennsylvanian) FOUR POINT GAUGES:

Flwd 260 MCFGPD, 6/64 chk, 60 mins, TP 2031

Flwd 569 MCFGPD, 10/64 chk, 60 mins, TP 1540

Flwd 530 MCFGPD, 13/64 chk, 60 mins, TP 1200

Flwd 855 MCFGPD, 21/64 chk, 60 mins, TP 949

Pennsylvanian Gas Discovery in the McDonald
Field

LOG TOPS: Rustler 2140, Salt 2227, Base

Salt 2952, Yates 3086, Seven Rivers 3216,

4-3-17 NM

LEA

YATES, HARVEY E. CO.

Wildcat

1 McDonald Unit

Sec 33, T13S, R36E

NM

Page #4

4-12-82

Continued

Queen 3850, Grayburg 4253, San Andres
4527, Abo 8190, Wolfcamp 9744, Penn-
sylvanian 10,509, Canyon 10,963, Strawn
11,567, Atoka 12,213, Morrow 12,792, Austin
13,059, Chester 13,278, Mississippian 13,550,
Woodford 14,290, Devonian 14,352
*BHT 174 deg @ 12,782

*Denotes changes & additions

4-17-82

COMPLETION ISSUED

3-26-83

RE-ISSUED COMPLETION

4-3-17 NM

IC 30-025-70296-81

COUNTY LEA FIELD Wildcat STATE NM
 OPER YATES, HARVEY E. CO. API 30-025-27444
 JO 1 LEASE McDonald Unit MAP
Sec 33, T13S, R36E COORD
660 FSL, 990 FEL of Sec 4-3-17 NM
1 mi N/McDonald SPD 6-13-81 CMP 3-23-82

CSG 13 3/8-367-400 sx 8 5/8-4611-2150 sx 5 1/2-14,587-1405 sx 2 3/8-12,707	WELL CLASS: INIT WF FI. WDD LSE. CODE			
	FORMATION	DATUM	FORMATION	DATUM
	ID 14,614 (DVNN)	PBD	12,965	

IP (Pennsylvanian) Perfs 12,740-782 F 3104 MCFGPD. Pot based
 on 24 hr test thru 3/4 chk. GOR Dry; gty (Gas) (NR); CP
 Pkr; TP 2100

CONTR Moranco #2 OPRSELEV 3951 GL sub-s

F.R. 6-8-81
 PD 14,700 RT (Pennsylvanian)
 4-17-82 AMEND ZONE: Formerly reported as
 (Mississippian)
 6-16-81 Drlg 2212
 6-22-82 TD 4611; Rng Csg
 6-29-81 Drlg 6920
 7-7-81 Drlg 9635
 7-13-81 TD 10,314; fsg stuek DP
 7-20-81 Drlg 10,685
 Rec'd fish
 7-27-81 Drlg 11,343
 8-3-81 TD 11,343; Wsg & Rng
 8-10-81 Drlg 12,180
 8-17-81 Drlg 12,710
 8-24-81 Drlg 13,236
 9-1-81 Drlg 13,654
 9-14-81 Drlg 14,370

4-3-17 NM

LEA
YATES, HARVEY E. CO.

Wildcat
1 McDonald Unit
Sec 33, T13S, R36E

NM
Page 2

9-21-81 TD 14,593; Rng DST
9-29-81 TD 14,608; WOCU
DST (Devonian) 14,450-593, op 4 hrs, DP
rec (NA) (Sampler rec 5.5 CFT GAS + 1350
CC OIL + 100 CC MUD @ 540#), 1 hr ISIP
5428, FP 4572-919, 1 hr Second SIP 5142,
FFP 977-1382, 1 hr FSIP 4638, HP 7533
12-1-81 TD 14,608; PBD 14,580; Prep Acid
Acid (14,587-608) 500 gals
Swbd 20 BW + 8 BO in 3 hrs (14,587-608)
Ret @ 14,580
Sqzd (14,587-608) 200 sx
Perf (Devonian) 14,563-570 w/2 SPF
4-3-17 NM

12-15-81 TD 14,608; PBD 14,555; Prep Acid
Acid (14,563-570) 500 gals
Ret @ 14,555
Sqzd (14,563-570) 100 sx
Perf (Devonian) 14,510-540 w/2 SPF
Acid (14,510-540) 500 gals
Perf (Devonian) 14,463-480 w/2 SPF
1-5-82 TD 14,608; PBD 14,555; SI
Acid (14,463-480) 500 gals
1-25-82 TD 14,614; SI
Ret @ 14,390
Sqzd (14,463-540) 200 sx
DOC & Deepened 14,608-14,614
Swbd 8 BW (14,587-614)
2-9-82 TD 14,614; PBD 13,190; Prep Acid
Acid (14,587-614) 4000 gals
cmt ret @ 13,190 4-3-17 NM

LEA
YATES, HARVEY E. CO.

Wildcat
1 McDonald Unit
Sec 33, T13S, R36E

NM
Page 3

2-9-82 Continued
Perf (Austin) @ 13,073, 13,077, 13,080,
13,086, 13,090, 13,094, 13,098, 13,102,
13,104, 13,106, 13,108, 13,114, 13,123,
13,127, 13,132, 13,137, 13,144, 13,147,
13,151, 13,154, 13,170, 13,176 w/2 SPI
2-16-82 TD 14,614; PBD 13,190; Swbg
Acid (13,073-176) 2000 gals
3-1-82 TD 14,614; PBD 13,190; Swbg
Acid (13,073-176) 5000 gals
3-10-82 TD 14,614; PBD 13,190; Swbg
Acid (13,073-176) 15,000 gals + 158,000 SCF N2
3-17-82 TD 14,614; PBD 12,965; SI
Swbd wtr w/tr oil (13,073-176) 4-3-17 NM

3-17-82 Continued
CIBP @ 12,965
3-25-82 TD 14,614; PBD 12,965; WO PLC
Perf (Atoka) 12,740-782 (overall)
Acid (12,740-782) 20,500 gals
4-12-82 TD 14,614; PBD 12,965; Complete
Pennsylvanian Gas Discovery in the McDonald Field
LOG TOPS: Rustler 2140, Salt 2227, Base
Salt 2952, Yates 3086, Seven Rivers 3216,
Queen 3850, Grayburg 4253, San Andres 4527,
Abo 8190, Wolfcamp 9744, Pennsylvanian 10,509,
Canyon 10,963, Strawn 11,567, Atoka 12,213,
Morrow 12,792, Austin 13,059, Chester 13,278,
Mississippian 13,550, Woodford 14,290, Devonian
14,352
4-17-82 COMPLETION ISSUED

4-3-17 NM
IC 30-025-70296-81