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LAND OFFICE	
OPERATOR	

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

TYPE OF WELL

OIL WELL ☒

GAS WELL ☐

DRY ☐

OTHER ☐

TYPE OF COMPLETION

NEW WELL ☒

WORK OVER ☐

DEEPEN ☐

PLUG BACK ☐

DIFF. RESVR. ☐

OTHER ☐

Name of Operator

Harvey E. Yates Company

Address of Operator

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

Location of Well

T. LETTER D LOCATED 660 FEET FROM THE North LINE AND 660 FEET FROM

West 3 TWP. 14S RGE. 36E NMPM

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.	
2	
10. Field and Pool, or Wildcat	
McDonald - Devonian	
12. County	
Lea	

Date Spudded	16. Date T.D. Reached	17. Date Compl. (Ready to Prod.)	18. Elevations (DF, RKB, RT, GR, etc.)	19. Elev. Casinghead
3/28/82	6/19/82	7/08/82		

Total Depth	21. Plug Back T.D.	22. If Multiple Compl., How Many	23. Intervals Drilled By	Rotary Tools	Cable Tools
14,592'	14,584'			0-14592	

Producing Interval(s), of this completion - Top, Bottom, Name	25. Was Directional Survey Made
14,556'-14,568' Devonian	Yes

Type Electric and Other Logs Run	27. Was Well Cored
CN/CDL/GR; DIFL/GR; Diplog; Prolog; GR/CBL	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	377	17 1/2	400	None
8 5/8	24, 28, 32	4630	11	1600	None
5 1/2	17	14592	7 7/8	1659	None
		14565			

LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET
					2 3/8	14504	14504

Perforation Record (Interval, size and number)	32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.
	DEPTH INTERVAL
	None
	AMOUNT AND KIND MATERIAL USED

14556 to 14564 - 1/2" diameter - 16 holes
14564 to 14568 - 1/2" diameter - 4 holes

PRODUCTION

1st First Production	Production Method (Flowing, gas lift, pumping - Size and type pump)				Well Status (Prod. or Shut-in)	
7/08/82	Flow				Prod.	
1st of Test	Hours Tested	Choke Size	Prod'n. for Test Period	Oil - Bbl.	Gas - MCF	Water - Bbl.
7/10/82	24	1/8"		312	149.8	0
Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Gas - Oil Ratio
1100	0		312	149.8	0	480
Disposition of Gas (Sold, used for fuel, vented, etc.)				Test Witnessed By		
Vented				Bob Williams		

List of Attachments

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. Linder TITLE Engineer DATE 7/12/82

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INSTRUCTIONS

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 in the well and a summary of all special tests conducted, including drill stem tests. 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 30 through 34 shall be reported for each zone. The form is to be filed in quadruplicate except on state land, where six copies are required. See Rule 1105.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

Southeastern New Mexico

Northwestern New Mexico

T. Anhy 2145	T. Canyon 10988	T. Ojo Alamo	T. Penn. "B"
T. Salt 2230	T. Strawn Lm 11976	T. Kirtland-Fruitland	T. Penn. "C"
B. Salt	T. Atoka 12265	T. Pictured Cliffs	T. Penn. "D"
T. Yates 3078	T. Miss 13501	T. Cliff House	T. Leadville
T. 7 Rivers 3210	T. Devonian 14365	T. Menefee	T. Madison
T. Queen 3873	T. Silurian	T. Point Lookout	T. Elbert
T. Grayburg 4255	T. Montoya	T. Mancos	T. McCracken
T. San Andres 4530	T. Simpson	T. Gallup	T. Ignacio Qtzite
T. Glorieta 6107	T. McKee	Base Greenhorn	T. Granite
T. Paddock	T. Ellenburger	T. Dakota	T. Morrow 12658
T. Dlinebry	T. Gr. Wash	T. Morrison	T. Austin 12928
T. Tubb 7462	T. Granite	T. Todilto	T. Chester 13178
T. Drinkard	T. Delaware Sand	T. Entrada	T. Woodford 14234
T. Abo 8185	T. Bone Springs	T. Wingate	
T. Wolfcamp 9764	T. Bowers 3656	T. Chinle	
T. Penn.	T. Penrose 4040	T. Permian	
T. Cisco (Bough C)		T. Penn. "A"	

OIL OR GAS SANDS OR ZONES

No. 1, from.....to.....	No. 4, from.....to.....
No. 2, from.....to.....	No. 5, from.....to.....
No. 3, from.....to.....	No. 6, 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	From	To	Thickness in Feet	Formation
0	1909		Red Bed	12269	12314		Lm, Sd, Sh
1909	2169		Red Bed & Anhy	21314	12937		Lm & Sh
2169	2225		Anhy	12937	12974		Lm
2225	2318		Red Bed, Anhy, Shale	12974	13364		Lm & Sh
2318	3190		Anhy & Salt	13364	13386		Sh
3190	3755		Anhy & Gyp	13386	14287		Lm & Sh
3755	4019		Anhy	14287	14322		Sh
4019	4630		Anhy & Lm	14322	14592		Lm & Sh
4630	8234		Lm				
8234	10104		Lm & Sh				
10104	10194		Lm & Chert				
10194	10265		Lm, Sh, Chert				
10265	11938		Lm & Sh				
11938	11952		Lm, Sd, Sh				
11952	12269		Lm & Sh				

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Form C-105
Revised 1-1-65

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

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

1a. TYPE OF WELL		OIL WELL ☒ GAS WELL ☐ DRY ☐ OTHER ☐		7. Unit Agreement Name	
1b. TYPE OF COMPLETION		NEW WELL ☒ WORK OVER ☐ DEEPEN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ OTHER ☐		8. Farm or Lease Name Griffin	
2. Name of Operator J.M. Huber Corporation				9. Well No. 1	
3. Address of Operator 1900 Wilco Building, Midland, Texas 79701				10. Field and Pool, or Wildcat Undesignated-Bough A	
4. Location of Well				12. County Lea	
UNIT LETTER A LOCATED 660 FEET FROM THE North LINE AND 660 FEET FROM					
THE East LINE OF SEC. 4 TWP. 14-S RGE. 36-E NMPM					
15. Date Spudded 5/26/71	16. Date T.D. Reached 7/6/71	17. Date Compl. (Ready to Prod.) 7/23/71	18. Elevations (DF, RKB, RT, GR, etc.) 3947.6' GR	19. Elev. Casinghead 3948	
20. Total Depth 11,475	21. Plug Back T.D. 10,425	22. If Multiple Compl., How Many	23. Intervals Drilled By 0-11,475'	25. Was Directional Survey Made No	
24. Producing Interval(s), of this completion - Top, Bottom, Name 10,203' - 10,210', Bough "A"				27. Was Well Cored No	
26. 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 & 54.5	423	17-1/2	350 sx	None
9-5/8	36 & 40	4,575	12-3/4	450 sx	None
5-1/2	15.5 & 17	10,700	8-3/4	340 sx	None
29. LINER RECORD			30. TUBING RECORD		
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE
					2-3/8
					10,177'
					10,177
31. Perforation Record (Interval, size and number) 10,203' - 10,210' - 14 holes 3/8"			32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.		
			DEPTH INTERVAL		
			AMOUNT AND KIND MATERIAL USED		
			10,203-10,210' 1000 gals. 15% Spearhead		
			10,203-10,210' 3000 gals. 20% Retarded		
33. PRODUCTION					
Date First Production 7/20/71		Production Method (Flowing, gas lift, pumping - Size and type pump) Flowing			Well Status (Prod. or Shut-in) Producing
Date of Test 7/28/71	Hours Tested 12	Choke Size 24/64	Prod'n. For Test Period 179	Oil - Bbl. 290	Gas - MCF None
Flowing Press. 350	Casing Pressure Packer	Calculated 24-Hour Rate 358	Oil - Bbl. 580	Gas - MCF None	Water - Bbl. 42°
34. Disposition of Gas (Sold, used for fuel, vented, etc.) Vented					Test Witnessed By
35. List of Attachments Logs, C-104, Deviation Record, C-102, Testing Record, C-123					
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 Floyd L. Meade		TITLE District Prod. Supt.		DATE 7/29/71	

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INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Commission 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 radio-activity logs run on the well and a summary of all special tests conducted, including drill stem tests. 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 30 through 34 shall be reported for each zone. The form is to be filed in quintuplicate except on state land, where six copies are required. See Rule 1105.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

Southeastern New Mexico

Northwestern New Mexico

T. Anhy _____	T. Canyon <u>11,303'</u>	T. Ojo Alamo _____	T. Penn. "B" _____
T. Salt _____	T. Strawn _____	T. Kirtland-Fruitland _____	T. Penn. "C" _____
B. Salt _____	T. Atoka _____	T. Pictured Cliffs _____	T. Penn. "D" _____
T. Yates _____	T. Miss _____	T. Cliff House _____	T. Leadville _____
T. 7 Rivers _____	T. Devonian _____	T. Menefee _____	T. Madison _____
T. Queen _____	T. Silurian _____	T. Point Lookout _____	T. Elbert _____
T. Grayburg _____	T. Montoya _____	T. Mancos _____	T. McCracken _____
T. San Andres <u>4,540'</u>	T. Simpson _____	T. Gallup _____	T. Ignacio Qtzte _____
T. Glorieta <u>6,085'</u>	T. McKee _____	Base Greenhorn _____	T. Granite _____
T. Paddock _____	T. Ellenburger _____	T. Dakota _____	T. _____
T. Blinberry _____	T. Gr. Wash _____	T. Morrison _____	T. _____
T. Tubb <u>7,437'</u>	T. Granite _____	T. Todilto _____	T. _____
T. Drinkard _____	T. Delaware Sand _____	T. Entrada _____	T. _____
T. Abo _____	T. Bone Springs _____	T. Wingate _____	T. _____
T. Wolfcamp <u>9,395'</u>	T. _____	T. Chinle _____	T. _____
T. Penn. _____	T. _____	T. Permian _____	T. _____
T. Cisco (Bough C) <u>10,494'</u>	T. _____	T. Penn. "A" _____	T. _____

FORMATION RECORD (Attach additional sheets if necessary)

From	To	Thickness in Feet	Formation	From	To	Thickness in Feet	Formation
0	423	423	Redbed				
423	2025	1602	Redbed & Gyp				
2,025	2482	457	Salt & Anhydrite				
2,482	3320	838	Anhydrite				
3,320	3945	625	Lime				
3,945	4365	420	Lime & Gyp				
4,365	9901	5536	Lime				
9,901	10020	119	Lime & Chert				
10,020	10170	150	Lime & Shale				
10,170	10398	228	Lime				
10,398	10528	130	Dolomite				
10,528	10770	242	Lime				
10,770	11312	542	Dolomite				
11,312	11475	163	Lime - Total Depth				

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NEW MEXICO OIL CONSERVATION COMMISSION

Form C-102
Supersedes Old
C-102 and C-103
Effective 1-1-65

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

SUNDRY NOTICES AND REPORTS ON WELLS

DO NOT USE THIS FORM FOR NOTICES TO ABANDON OR TO RE-OPEN OR PLUG BACK TO A DIFFERENT RESERVOIR.
(SEE APPLICATION FOR REMOVAL OF PRODUCE CEMENT PLUGS AND PROPOSED PLUGS.)

TYPE OF WELL	☒ OIL	☐ GAS	☐ OTHER
Name of Operator	J. M. Huber Corp.		
Address of Operator	1900 Wilco Bldg., Midland, Texas 79701		
Location of Well	WIT LETTER <u>A</u> <u>660</u> FEET FROM THE <u>North</u> LINE AND <u>660</u> FEET FROM <u>East</u> LINE, SECTION <u>4</u> TOWNSHIP <u>14-S</u> RANGE <u>36-E</u> NMPPL.		
13. Elevation (Show whether DF, RT, CR, etc.)	3949.9' GL		

Check Appropriate Box To Indicate Nature of Notice, Report or Other Data
NOTICE OF INTENTION TO:

INITIAL REMEDIAL WORK	☐	PLUG AND ABANDON	☐	REMEDIAL WORK	☒	ALTERING CASING	☐
GRABBLE ABANDON	☐	CHANGE PLANS	☐	COMMENCE DRILLING OPNS.	☐	PLUG AND ABANDONMENT	☐
OR ALTER CASING	☐		☐	CASING TEST AND CEMENT JOBS	☐		☐
OTHER	☐		☐	OTHER	☐		☐

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.

2-6-81 Pressure tested 5 1/2" csg w/tbg and pkr, found csg leak at 9701'. Left Baker Lockset pkr w/shut-off valve at 10,403' above perf 10,502'-10,511'. Could not pump into perfs 10,203'-10,305'. Left well Shut-in.

3-15-81 Set retrievable BP at 9849' w/2 sxs sand on top.

3-16-81 Broke circulation to surface, cmt w/2,760 sxs cmt, circulated 482 sxs to pit.

3-17-81 Tagged top cmt at 8709'. Drilled cmt out to 9726'. Tested csg leak to Thru 1500 psi. Held OK. Pulled retrievable bridge plug.
3-21-81

3-24-81 Ran production equipment.

4-1-81 24 hr pumping test 43 BO and 208 BW, gas TSTM, 10 1/2 - 120" SPM.

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

Orlind Taylor TITLE Dist. Production Manager DATE APR 13 1981

VER BY _____ TITLE _____ DATE _____
NOTATIONS OF APPROVAL, IF ANY:

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J.M. HUBER CORPORATION
GRIFFIN NO. 1

Attachment to C-105

DST #1, 9650' - 9685' (Wolfcamp). Open 1 hour and 20 minutes. Recovered 2590' mud blanket, SO&GC.

IHP	4425	
PFP	1097-1097	20 minutes
ISIP	3621	1 hour
FFP	1097-1097	1 hour
FSIP	3621	2 hours
FHP	4380	

Sample chamber recovery - 900cc HOCM and 2.2 cu. ft. gas at 900 PSI.

DST #2, 10,178' - 10,216'. Open 1 hour and 20 minutes. Preflow opened w/strong blow, GTS in 9 minutes. At end of 20 minute preflow, FP 67# on 1/4" choke, Gas Volume 115,000. FF - 1/2" choke, at 30 minutes FP 35 PSI, Gas Volume 320 MCF, decreasing at 60 minutes to FP of 32 PSI, 310 MCF. Reversed out 1650' of 38.5° API oil.

IHP	4870	
PFP	183-274	20 minutes
ISIP	3755	1 hour
FFP	274-549	1 hour
FSIP	3621	2 hours
FHP	4870	
BHT	180°	

Sample chamber recovery - 1.8 cu. ft. gas, 600 cc's oil at 500 PSI.

DST #3, 10,488' - 10,528'. Open 1 hour and 20 minutes. GTS in 38 minutes. Good blow throughout. Flowed and reversed out an estimated 5 barrels drilling fluid, 85 barrels GCO, and 15 barrels GCSW. Oil 42.5° API.

IHP	5045	
PFP	508-1830	20 minutes
ISIP	4028	1 hour
FFP	1830-3627	1 hour
FSIP	4072	2 hours
FHP	4957	

Tool plugging throughout test. Sample chamber recovery - black sulphur water.

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Griffin No. 1
Attachment to C-105
Page 2

DST #4, 10,808' - 10,885' (Middle Cisco). Open 1-1/2 hours. Fair
blow throughout. Recovered 560' DM, 370'
SSWCDM + 8200' SSW.

IHP	5103	
PFP	299-2474	30 minutes
ISIP	4256	1-1/2 hours
FFP	2559-4129	1 hour
FSIP	4256	2 hours
FHP	5060	
BHT	172° F	

Testing Record through 5-1/2"

Perforated 10,502' - 10,511' w/18 - 3/8" holes. Tested natural, last
test making 7 BOPH w/60% sulphur water. Set CIBP at 10,435' w/10'
cement on top.

Perforated 10,293' - 10,305' w/24 - 3/8" holes. Acidized w/1000 gals.
15% Spearhead Acid. Swabbed dry - no fluid entry.

Perforated 10,266' - 10,275' w/28 - 3/8" holes. Acidized w/2000 gals.
15% Spearhead Acid. Swabbed dry - no fluid entry.

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SECTION VII

Ray F. Nokes
Reservoir Engineer
Harvey E. Yates Company
P. O. Box 1933
Roswell, NM 88201

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LABORATORY WATER ANALYSIS

SEP 10 1982

No. W82-978

To Harvey E. YatesDate 9-8-82Box 1933Roswell, New Mexico

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Submitted by _____ Date Rec. 9-7-82Well No. McDonald #2 Depth _____ Formation _____

County _____ Field _____ Source _____

Resistivity _____ 0.167 @ 74°F.Specific Gravity _____ 1.031pH _____ 7.0Calcium (Ca) _____ 2,100

*MPL

Magnesium (Mg) _____ NilChlorides (Cl) _____ 23,500Sulfates (SO₄) _____ 2,850Bicarbonates (HCO₃) _____ 855Soluble Iron (Fe) _____ NilRemarks Nitrate determination was not conclusive, due to the high coloration of the water.

*Milligrams per liter

Respectfully submitted,

Analyst: Brewer

HALLIBURTON COMPANY

cc:

By

W. L. Brewer

CHEMIST

NOTICE

THIS REPORT IS LIMITED TO THE DESCRIBED SAMPLE TESTED. ANY USER OF THIS REPORT AGREES THAT HALLIBURTON SHALL NOT BE LIABLE FOR ANY LOSS OR DAMAGE, WHETHER IT BE TO ACT OR OMISSION, RESULTING FROM SUCH REPORT OR ITS USE.

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Contractor Moranco Drilling Co.
Rig No. 2
Spot --
Sec. 34
Twp. T3S
Rng. 36E
Field Wildcat
County Lea
State New Mexico
Elevation --
Formation Canyon

Top Choke 1/4"
Bottom Choke 1"
Size Hole 7 7/8"
Size Rat Hole --
Size & Wt. D. P. 4 1/2" XH 16.60
Size Wt. Pipe --
I. D. of D. C. 2 1/4"
Length of D. C. 558 Ft.
Total Depth 10950 Ft.
Interval Tested 10810-10950 Ft.
Type of Test Bottom Hole
Conventional

Flow No. 1 30 Min.
Shut-in No. 1 60 Min.
Flow No. 2 60 Min.
Shut-in No. 2 120 Min.
Flow No. 3 -- Min.
Shut-in No. 3 -- Min.

Bottom
Hole Temp. 135°F
Mud Weight 8.9
Gravity --
Viscosity --

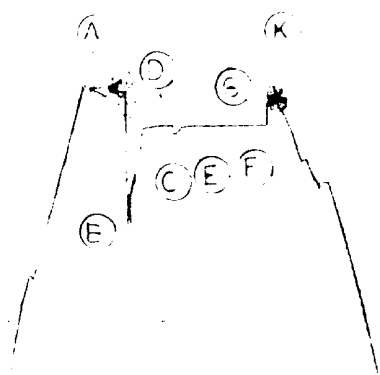
Tool opened @ 10:23 A.M.

Inside recorder

PRD Make Kuster K-3
No. 22722 Cap. 6625 @ 10794'

	Press	Corrected
Initial Hydrostatic	A	4761
Final Hydrostatic	K	4761
Initial Flow	B	2840
Final Initial Flow	C	3914
Initial Shut-in	D	4225
Second Initial Flow	E	4111
Second Final Flow	F	4222
Second Shut-in	G	4225
Third Initial Flow	H	--
Third Final Flow	I	--
Third Shut-in	J	--

Lynes Dist. Hobbs, N.M.
Our Tester Greg Capes
Witnessed By Peck Hardee



Did Well Flow - Gas NO Oil NO Water NO

RECOVERY IN PIPE: (Test Was Reverse Circulated)

9053 Ft. Total fluid = 123.36 bbls

558 Ft. Drilling mud with LCM = 7.92 bbls.

8495 Ft. Slightly mud cut sulphur water with LCM = 155.44 bbls.

Blow Description:

1st Flow:

Tool opened with strong surface blow, increased to 16 psi in 21 minutes, increased to 28 psi at the end of the flow period.

2nd Flow:

Tool opened with a 4 ounce blow, increased to 12 psi in 14 minutes, decreased to 10 psi in 23 minutes, decreased to 7 psi in 47 minutes, decreased to 6 psi at the end of the flow period.

Comments:

The test results indicate excellent permeability in the zone tested. The FSI stabilized immediately. The ISI stabilized in 45 minutes. No extrapolations could be performed.

Operator Harvey E. Yates Company
Address See Distribution

Ticket No. 40808

Date 3/18/83

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WELL LOGGING UNIT NO. MCJONALD UNIT 1-3

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SECTION VIII, cont.

(Fresh Water Aquifers and Area Water Wells)

On April 20, 1983 Mr. Paul Kautz, a geologist of the New Mexico District I office in Hobbs, was contacted by Ray F. Nokes of Harvey E. Yates Company, in regards to fresh water aquifers in the McDonald Unit Area. Mr. Kautz had recently studied the area and concluded that the Ogallala is prevalent in the McDonald area starting from surface, but usually is located at about 80' from surface and continued to depths of 300' in some places. The specific area of interest was in Townships 13 and 14 South of Range 36 East, Lea County, New Mexico. Mr. Kautz indicated that the thickness of the Ogallala in this specific area was not specifically defined, but if surface and intermediate casing were set through the Ogallala and protected by cement to surface that the fresh water aquifer would be protected. See Section VI for casing and cementing reports.

Mr. Frank Bradley with the New Mexico State Engineers Office in Roswell, New Mexico, was contacted on the same day as Mr. Kautz. He checked local records to determine if any fresh water wells were present in the immediate area of the McDonald Unit area. Please find attached a list of fresh water wells supplied by Mr. Bradley for the McDonald Area.

Prepared by:
Ray F. Nokes
Reservoir Engineer
Harvey E. Yates Co.
Roswell, New Mexico 88201

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SECTION XI

Ray F. Nokes
Reservoir Engineer
Harvey E. Yates Company
P. O. Box 1933
Roswell, NM 88201

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HALLIBURTON DIVISION LABORATORY

HALLIBURTON SERVICES
MIDLAND DIVISION
HOBBS, NEW MEXICO 88240

LABORATORY WATER ANALYSIS

RECEIVED
MAY 3 1983

No. W83-502To Harvey E. YatesDate 5-3-83Box 1933Roswell, New MexicoATTN: Mr. Ray Nokes

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Submitted by _____ Date Rec. 5-3-83Well No. As Marked Depth _____ Formation _____County _____ Field _____ Source Fresh Water Supplies

	<u>Foster S.E. #1</u>	<u>McLish Well</u>	
Resistivity	<u>10.4 @ 74°F.</u>	<u>12.2 @ 74°F.</u>	
Specific Gravity	<u>1.004</u>	<u>1.002</u>	
pH	<u>7.0</u>	<u>7.1</u>	
Calcium (Ca)	<u>150</u>	<u>95</u>	<u>*MPL</u>
Magnesium (Mg)	<u>18</u>	<u>9</u>	
Chlorides (Cl)	<u>300</u>	<u>150</u>	
Sulfates (SO ₄)	<u>650</u>	<u>900</u>	
Bicarbonates (HCO ₃)	<u>170</u>	<u>195</u>	
Soluble Iron (Fe)	<u>Nil</u>	<u>Nil</u>	

Remarks:

*Milligrams per liter

Respectfully submitted,

Analyst: Brewer

HALLIBURTON COMPANY

cc:

By

W. L. Brewer
CHEMIST

NOTICE

THIS REPORT IS LIMITED TO THE DESCRIBED SAMPLE TESTED. ANY USER OF THIS REPORT AGREES THAT HALLIBURTON SHALL NOT BE LIABLE FOR ANY LOSS OR DAMAGE, WHETHER IT BE TO ACT OR OMISSION, RESULTING FROM SUCH REPORT OR ITS USE.

MAY 04 1983

AREA WATER WELLS

REFERENCE FILE	PRIORITY	STATUS	USE	WELL LOCATION	QUARTER
Roark, Buck	L-6228	NA	Dom	Sec. 33, T-13S, R-36E	330
Gray, Clifford et al	L-00494	LIC	IRR	Sec. 33, T-13S, R-36E	1110
Stanton, Donald	L-00494AE	PMT	IRR	Sec. 33, T-13S, R-36E	131
Stanton, Donald	L-07237	PMT	DOM	Sec. 33, T-13S, R-36E	1410
Richardson, Fred	L-08096	PMT	DOM	Sec. 33, T-13S, R-36E	300
Robinson, N. C.	L-01668	PMT	DOM	Sec. 33, T-13S, R-36E	311
Robinson, N. C.	L-00558	LIC	IRR	Sec. 33, T-13S, R-36E	3110
Richardson, Fred	L-00462	LIC	IRR	Sec. 33, T-13S, R-36E	321
Roark, Buck	L-06228	PMT	DOM	Sec. 33, T-13S, R-36E	330
Hilburn, R. B.	L-0058A	LIC	MTU	Sec. 33, T-13S, R-36E	3331
Robinson, N. C.	L-03422	PMT	DOM	Sec. 33, T-13S, R-36E	444
Hemann, Leon O.	L-00186	LIC	IRR	Sec. 34, T-13S, R-36E	1111
Wallis, T. V.	L-01483	PMT	DOM	Sec. 34, T-13S, R-36E	113
Hemann, Leon	L-07036	PMT	DOM	Sec. 34, T-13S, R-36E	1130
Hemann, Leon O.	L-00187	LIC	IRR	Sec. 34, T-13S, R-36E	2111
McClish M, et al	L-00223	LIC	IRR	Sec. 34, T-13S, R-36E	3111
Willingham R. E.	L-00292	LIC	IRR	Sec. 34, T-13S, R-36E	332
Willingham R. E.	L-01417	PMT	DOM	Sec. 34, T-13S, R-36E	332
Willingham R. E.	L-00293	LIC	IRR	Sec. 34, T-13S, R-36E	414
Shettle, Geo O	L-02759	PMT	DOM	Sec. 3, T-14S, R-36E	433
Seeman, Lewis	L-04460	PMT	DOM	Sec. 4, T-14S, R-36E	110
Williams, George J	L-03816	PMT	DOM	Sec. 4, T-14S, R-36E	111
Clevenger, J. H.	L-00256A	LIC	IRR	Sec. 4, T-14S, R-36E	111
Lambert, Allie L.	L-00256	LIC	IRR	Sec. 4, T-14S, R-36E	111
Cruz, Felix A	L-07134	PMT	DOM	Sec. 4, T-14S, R-36E	1110
Lambert Allie L.	L-002565	PMT	IRR	Sec. 4, T-14S, R-36E	1313
Foster, James A. Jr.	L-00082	LIC	IRR	Sec. 4, T-14S, R-36E	2111
Foster, James A. Jr.	L-00600	LIC	IRR	Sec. 4, T-14S, R-36E	2311
Lambert, Allie L.	L-00773	LIC	IRR	Sec. 4, T-14S, R-36E	3142
Richardson, S.A.	L-03850	PMT	DOM	Sec. 5, T-14S, R-36E	110
Richardson, Celia	L-02332	PMR	DOM	Sec. 5, T-14S, R-36E	222
McFarlane Drlg Co.	L-06246	PMT	DWD	Sec. 5, T-14S, R-36E	330
Richardson, S. A.	L-05165	PMT	DOM	Sec. 5, T-14S, R-36E	330
McFarland E. L. Inc.	L-05036	PMT	DWD	Sec. 5, T-14S, R-36E	330
Gilchrist, Howard	L-00680	LIC	IRR	Sec. 5, T-14S, R-36E	4133
Richardson, James	L-07041	PMT	DOM	Sec. 5, T-14S, R-36E	4440
Cayton, Karl	L-00056	LIC	IRR	Sec. 9, T-14S, R-36E	1111
Amerada Petro Corp	L-05378	PMT	DWD	Sec. 9, T-14S, R-36E	120
Cayton, Jack	L-02593	PMT	DOM	Sec. 9, T-14S, R-36E	121
Woodard, D. M.	L-05241	PMT	DOM	Sec. 9, T-14S, R-36E	200
Pierce, V. G.	L-01243	PMT	DOM	Sec. 9, T-14S, R-36E	200
Woodward, D. M.	L-01286	PMT	DOM	Sec. 9, T-14S, R-36E	211
Jones, Jack & Pat	L-00088	LIC	IRR	Sec. 9, T-14S, R-36E	211
Jones, Elvis	L-00507	LIC	IRR	Sec. 9, T-14S, R-36E	221
Cayton, Karl	L-03349	PMT	DOM	Sec. 10, T-14S, R-36E	110
Cayton, Karl	L-00233S2	LIC	IRR	Sec. 10, T-14S, R-36E	1111
Cayton, Karl	L-00233	LIC	IRR	Sec. 10, T-14S, R-36E	1113
Cayton, Jack D.	L-00557	PMT	NOT	Sec. 10, T-14S, R-36E	210
Patman, L. D.	L-03758	PMT	DOM	Sec. 10, T-14S, R-36E	344
Patman, L. D.	L-00019	LIC	IRR	Sec. 10, T-14S, R-36E	4111
Patman, L. D.	L-00233E	LIC	IRR	Sec. 10, T-14S, R-36E	4111
King, Carl B. Drlg Co.	L-03634	PMT	DWD	Sec. 3, T-14S, R-36E	244
Molino Del Rey Inc.	L-00772	LIC	IRR	Sec. 3, T-14S, R-36E	3111
Molino Del Rey Inc.	L-00771	LIC	IRR	Sec. 3, T-14S, R-36E	3212
Molino Del Rey Inc.	L-00795	LIC	IRR	Sec. 3, T-14S, R-36E	3311
Molino Del Rey Inc.	L-00795	LIC	IRR	Sec. 3, T-14S, R-36E	400
Cruz, Tony	L-8400	NA	DOM	Sec. 4, T-14S, R-36E	111
Snyder, Henry	L-8225	NA	DOM	Sec. 4, T-14S, R-36E	300
Golleler, Jerry	L-8606	NA	DOM	Sec. 10, T-14S, R-36E	433

NOTE: Quarter Section Code:

- 1 - Northwest
- 2 - Northeast
- 3 - Southwest
- 4 - Southeast
- 0 - Center