

New Mexico Oil Conservation Division, District I

Form 3160-5
(April 2004)UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
1625 N. French Drive
Hobbs, NM 88240FORM APPROVED
OMB No. 1004-0137
Expires: March 31, 2007

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE- Other instructions on reverse side.

1. Type of Well
☒ Oil Well ☐ Gas Well ☐ Other2. Name of Operator
Fulfer Oil & Cattle Co., LLC3a. Address
P.O. Box 578, Jal NM 88252 3b. Phone No. (include area code)
(505) 395-29274. Location of Well (Footage, Sec., T., R., M., or Survey Description)
NW/4 NE/4 Sec. 1, T23S, R35E

5. Lease Serial No.

NM - 39160

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.
Unit B8. Well Name and No.
Danciger Fed No. 19. API Well No.
3002527989

10. Field and Pool, or Exploratory Area

JALMAT; TAN-YATES-7RVRS

11. County or Parish, State

Lea, New Mexico

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

☐ Notice of Intent
☒ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other
<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input checked="" type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

APPROVED

AUG 30 2004

GARY GOURLEY
PETROLEUM ENGINEER

14. I hereby certify that the foregoing is true and correct

Name (Printed/Typed)
Gregg FulferTitle
Manager

Signature

Gregg Fulfer

Date

8-24-04

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Chris Williams

Title

DISTRICT SUPERVISOR/GENERAL MANAGER
Office

Date

SEP 03 2004

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

Water Production & disposal Information

In order to process your disposal request, the following information must be completed:

1. Name of formations producing water on the lease. Jalmat / 7 Riv

2. Amount of water produced from all formations in barrels per day. Approx. 1 barrel per day of water

3. Attach a current water analysis of produced water from all zones showing at least the total dissolved solids, ph, and the concentrations of chlorides and sulfates. (one sample will suffice if the water is commingled)

4. How water is stored on the lease. all production in oil tank

5. How water is moved to the disposal facility. water bled off to water tank and then trucked to SWD

6. Identify the Disposal Facility by :

- A. Facility operators name. Fulfer Oil & Cattle Co., LLC
- B. Name of facility or well name & number. Brown #5 SWD
- C. Type of facility or well (WDW) (WIW) etc. WDW
- D. Location by 1/4 1/4 section 25 township 25S range 36E

7. Attach a copy of the State issued permit for the Disposal Facility.

Submit to this office, 414 West Taylor, Hobbs, NM 88240, the above required information on a Sundry Notice 3160-5. Submit 1 original and 5 copies, within the required time frame. (This form may be used as an attachment to the Sundry Notice.) Call me at 505-393-3612 if you need to further discuss this matter.

ENERGY CHEMICALS CORP.
2709 W. INDUSTRIAL
MIDLAND TX. 79701

DATE July 28, 2004
ANALYSIS

COMPANY Fulfer

SOURCE Danciger #1

	ANALYSIS	MG/L	
1	PH	6.85	
2	H ₂ S (QUALITATIVE)	"Pos.	
3	SPECIFIC GRAVITY	1.03	
4	DISSOLVED SOLIDS	48376	
5	SUSPENDED SOLIDS		
6	PHENOLPHTHALEIN ALK (CaCO ₃)		
7	METHYL ORANGE ALK (CaCO ₃)	1510	
8	BICARBONATE (HCO ₃)	1842	30.20
9	CHLORIDES (Cl)	21056	593.13
10	SULFATES (SO ₄)	650	13.54
11	CALCIUM (Ca)	3680	184.00
12	MAGNESIUM (Mg)	219	17.93
13	TOTAL HARDNESS (CaCO ₃)	10100	
14	TOTAL IRON (FE)	1	
15	BARIUM (QUALITATIVE)		
16	STRONTIUM		
*MILLI	EQUIVALENTS PER LITER		

PROBABLE MINERAL COMPOSITION

184.00	Ca	HCO ₃	30.20
17.93	Mg	SO ₄	13.54
434.94	Na	Cl	593.13

COMPOUND	EQUIV. WT. X	MEG/L=	MG/L
Ca (HCO ₃) ₂	81.04	30.20	2447.41
Ca SO ₄	68.07	13.54	921.78
Ca Cl ₂	55.50	140.26	7784.34
Mg (HCO ₃) ₂	73.17	0.00	0.00
Mg SO ₄	60.19	0.00	0.00
Mg Cl ₂	47.62	17.93	853.65
Na HCO ₃	84.00	0.00	0.00
Na 2 SO ₄	71.03	0.00	0.00
Na Cl	58.46	434.94	25426.72
			37433.89

REMARKS

PG.2 Dandiger #1
 S.I.=PH - PC - PALK - K
 S.I. = STABILITY INDEX
 PH. = AS MEASURED ON FRESH SAMPLE
 PCA. = NEG. LOGARITHM OF CALCIUM CONCENTRATION
 PALK.= NEG. LOGARITHM OF TOTAL ALKALINITY
 K. = CONSTANT, DEPENDS UPON TEMP. & SALT

CALCULATIONS

NA	10003.67	0.00	0.22
CA	3680.00	0.00	0.18
MG	218.70	0.00	0.02
CI	21056.00	0.00	0.29
HCO 3	1842.20	0.00	0.01
SO 4	650.00	0.00	0.01
TOTAL IONIC STRENGTH		0.00	0.75

STABILITY INDEX

PH =	6.85	PH =	6.85
PCA =	1.03	PCA =	1.03
PALK =	1.53	PALK =	1.53
K =	1.70	K =	3.30
SI @180*	2.58	SI @ 80*	0.98

SI = 0 OR WATER
 RELATIVELY STABLE UNDER 50 °F

REMARKS INDICATES SCALING @ TEMP ABOVE 50 °F
 (POS. SI INDICATES SCALING)

SCALING TENDENCY CALCULATION USING SKILLMAN-McDONALD-STIFF METHOD

@ 80*, K =	0.001440400
@ 180*, K =	0.001334000
X =	0.085240000
X*X =	0.007265858

	meq/l	mg/l
@80*, S =	28.90	1967.00
@180*, S =	27.00	1838.00

From Probable Mineral Composition, Ca SO4 =	921.78
	4630.00

Because probable mineral composition is less than 4813 (calculated),
 the water should be stable. At temperatures close to 180 degrees,
 there is a slight potential toward the deposition of Calcium Sulphate

BEFORE THE OIL CONSERVATION COMMISSION
OF THE STATE OF NEW MEXICO

IN THE MATTER OF THE HEARING
CALLED BY THE OIL CONSERVATION
COMMISSION OF NEW MEXICO FOR
THE PURPOSE OF CONSIDERING:

CASE NO. 5655
Order No. R-5196

APPLICATION OF APOLLO OIL COMPANY
FOR SALT WATER DISPOSAL, LEA
COUNTY, NEW MEXICO.

ORDER OF THE COMMISSION

BY THE COMMISSION:

This cause came on for hearing at 9 a.m. on March 31, 1976, at Santa Fe, New Mexico, before Examiner, Richard L. Stamets.

NOW, on this 20th day of April, 1976, the Commission, a quorum being present, having considered the testimony, the record, and the recommendations of the Examiner, and being fully advised in the premises,

FINDS:

(1) That due public notice having been given as required by law, the Commission has jurisdiction of this cause and the subject matter thereof.

(2) That the applicant, Apollo Oil Company, is the owner and operator of the Brown Well No. 5, located in Unit E of Section 25, Township 25 South, Range 36 East, NMPM, Jalmat Gas Pool, Lea County, New Mexico.

(3) That the applicant proposes to utilize said well to dispose of produced salt water into the lower Yates-Seven Rivers formation, with injection into the open-hole interval from approximately 3289 feet to 3363 feet.

(4) That the injection should be accomplished through 2 3/8-inch plastic-lined tubing installed in a packer set at approximately 3150 feet; that the casing-tubing annulus should be filled with an inert fluid; and that a pressure and/or vacuum gauge or approved leak detection device should be attached to the annulus in order to determine leakage in the casing, tubing, or packer.

(5) That if injection into said well should be under pressure, the injection well or system should be equipped with a pop-off valve or acceptable substitute which will limit the wellhead pressure on the injection well to no more than 825 psi.

-2-

Case No. 5655

Order No. R-5196

(6) That the operator should notify the supervisor of the Hobbs district office of the Commission of the date and time of the installation of disposal equipment so that the same may be inspected.

(7) That the operator should take all steps necessary to ensure that the injected water enters only the proposed injection interval and is not permitted to escape to other formations or onto the surface.

(8) That approval of the subject application will prevent the drilling of unnecessary wells and otherwise prevent waste and protect correlative rights.

IT IS THEREFORE ORDERED:

(1) That the applicant, Apollo Oil Company, is hereby authorized to utilize its Brown Well No. 5, located in Unit E of Section 25, Township 25 South, Range 36 East, NMPM, Jalmat Gas Pool, Lea County, New Mexico, to dispose of produced salt water into the lower Yates-Seven Rivers formation, injection to be accomplished through 2 3/8-inch tubing installed in a packer set at approximately 3150 feet, with injection into the open-hole interval from approximately 3289 feet to 3363 feet;

PROVIDED HOWEVER, that the tubing shall be plastic-lined; that the casing-tubing annulus shall be filled with an inert fluid; and that a pressure and/or vacuum gauge shall be attached to the annulus or the annulus shall be equipped with an approved leak detection device in order to determine leakage in the casing, tubing, or packer.

(2) That if injection into said well shall be under pressure, the injection well or system shall be equipped with a pop-off valve or acceptable substitute which will limit the wellhead pressure on the injection well to no more than 825 psi.

(3) That if injection into said well is under a vacuum, the operator shall conduct an annual pressure test of the casing-tubing annulus to determine leakage of the casing, tubing, or packer in said well.

(4) That the operator shall notify the Hobbs office of the Commission of the date and time of such pressure tests in order that they may be witnessed by a Commission representative.

(5) That the operator shall notify the supervisor of the Hobbs district office of the Commission of the date and time of the installation of disposal equipment so that the same may be inspected.

-3-

Case No. 5655

Order No. R-5196

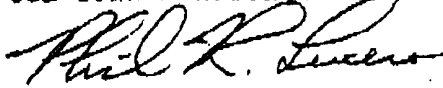
(6) That the operator shall immediately notify the supervisor of the Commission's Hobbs district office of the failure of the tubing, casing, or packer, in said well or the leakage of water from or around said well and shall take such steps as may be timely and necessary to correct such failure or leakage.

(7) That the applicant shall submit monthly reports of its disposal operations in accordance with Rules 704 and 1120 of the Commission Rules and Regulations.

(8) That jurisdiction of this cause is retained for the entry of such further orders as the Commission may deem necessary.

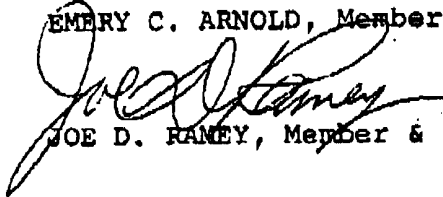
DONE at Santa Fe, New Mexico, on the day and year hereinabove designated.

STATE OF NEW MEXICO
OIL CONSERVATION COMMISSION



PHIL R. LUCERO, Chairman

EMERY C. ARNOLD, Member



JOE D. RAMEY, Member & Secretary

S E A L

jr/

PAGE 1

WELLS INVOLVED IN OPERATOR CHANGE
INITIAL LIST FOR OPERATOR VALIDATION

OCT 11, 2001

If all wells and completions on this list are not part of this transfer, send this list to the appropriate OCD District Office with exceptions noted and supporting paperwork so corrections can be made. If this list agrees with your records and bonding requirements are satisfied, contact OCD in Santa Fe for a final list to submit to the OCD District with your C-104A.

PREVIOUS OPERATOR: 4058 CHANCE PROPERTIES COMPANY

NEW OPERATOR:

Fulfer Oil & Cattle Co., LLC- 141402

OCD DISTRICT: HOBBS

PROP- ERTY WELL NAME	ULSTR	OCD UNIT LTR API	WELL POOL TYPE ID POOL NAME	MINIMUM IF INDICATED, LAST ADDITIONAL ADV. DISTRICT PROD/INJ BOND REQD OF WELL DEPTH
2511 BROWN #001	F-25-258-36E	F 30-025-09804	G 79240 JALMAT,TAM-YATES-7 RVERS (PRO GAS)	03-1993 5,000
BROWN #002	D-25-258-36E	D 30-025-09823	O 33820 JALMAT,TAM-YATES-7 RVERS (OIL)	04-1981 5,000
BROWN #003	C-25-258-36E	C 30-025-09818	O 33820 JALMAT,TAM-YATES-7 RVERS (OIL)	01-1989 5,000
BROWN #004	F-25-258-36E	F 30-025-09820	O 33820 JALMAT,TAM-YATES-7 RVERS (OIL)	02-1993 5,000
* BROWN #005	E-25-258-36E	E 30-025-09807	S 96141 SMD,YATES-SEVEN RIVERS	06-2000
2518 R F KING #001	4-31-228-37E	M 30-025-27322	O 37240 LAMOLIE MATTIX,7 RVERS-Q-GRAYBURG	07-2001
R F KING #002	3-31-228-37E	L 30-025-27488	O 37240 LAMOLIE MATTIX,7 RVERS-Q-GRAYBURG	07-2001
R F KING #003	4-31-228-37E	M 30-025-27924	G 79240 JALMAT,TAM-YATES-7 RVERS (PRO GAS)	07-2001
2512 FEDERAL 20 #001	M-20-238-36E	M 30-025-28527	O 33820 JALMAT,TAM-YATES-7 RVERS (OIL)	10-1993 5,000
2516 HODGES #001	O-08-248-37E	O 30-025-24999	S 96132 SMD,SEVEN RIVERS-QUEEN	08-1998 5,000
HODGES #002	P-08-248-37E	P 30-025-25133	O 37240 LAMOLIE MATTIX,7 RVERS-Q-GRAYBURG	12-1992 5,000
27504 SITTING BULL A #001	E-32-258-36E	E 30-025-26027	O 56610 SIOUX,TAMSIL-YATES-SEVEN RIVERS	04-2001
2522 THOMAS #001	L-17-248-37E	L 30-025-25404	O 37240 LAMOLIE MATTIX,7 RVERS-Q-GRAYBURG	03-2000
THOMAS #002	K-17-248-37E	K 30-025-25658	O 37240 LAMOLIE MATTIX,7 RVERS-Q-GRAYBURG	01-2000
THOMAS #003	J-17-248-37E	J 30-025-25831	O 37240 LAMOLIE MATTIX,7 RVERS-Q-GRAYBURG	01-2000
2523 TISDEMAN FEDERAL #001	M-05-268-36E	M 30-025-25939	O 56610 SIOUX,TAMSIL-YATES-SEVEN RIVERS	11-2000
2517 W T JOYNER #001	I-26-258-36E	I 30-025-09826	O 33820 JALMAT,TAM-YATES-7 RVERS (OIL)	05-2001

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SEAY CONSULTING

PAGE 02