JUN -8 2009

OCD Artesia

Form 3160-5
(August 2007)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

COPY

FORM APPROVED
OMB No. 1004-0137
Expires July 31, 2010

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 page 2.*

5. Lease Serial No.
NMNM100524

6. If Indian, Allottee or Tribe Name

7. If Unit of CA/Agreement, Name and/or No.

1. Type of Well
☑ Oil Well ☐ Gas Well ☐ Other

8. Well Name and No.
Manco Fed. No. 1

2. Name of Operator
Nadel & Gussman Permian, LLC

9. API Well No.
30-015-35553

3a. Address
601 N. Marenfeld, Suite 508, Midland, TX 79701

3b. Phone No. *(include area code)*
432-682-4429

10. Field and Pool or Exploratory Area

4. Location of Well *(Footage, Sec., T.,R.,M., or Survey Description)*
S26 T21S R21E, 660' FNL & 1240' FWL

11. Country or Parish, State
Eddy County, NM

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

TYPE OF SUBMISSION	TYPE OF ACTION			
☑ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
	☐ Alter Casing	☐ Fracture Treat	☑ Reclamation	☐ Well Integrity
☐ Subsequent Report	☐ Casing Repair	☐ New Construction	☐ Recomplete	☐ Other
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	
☐ Final Abandonment Notice	☐ Convert to Injection	☐ Plug Back	☐ 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 recomplete 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 must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.)

Onsite trench burial of the Manco drilling pit shall begin as soon as NMOCD approval is obtained. This pit was approved for deep burial by BLM in the APD under Pit Rule 50.

The ROW for the Manco shall be relinquished to either the BLM or the 4T & K Cattle Company at close of reclamation activities and approval by the BLM.

The well shall be P&Ad within the next couple of weeks so that pit and pad closure can begin.

No flood plains, wetlands, or subsurface mines exist in this area.

All of the impacted area to be reclaimed has been arch cleared under the APD.

Seed Mix No. 2 shall be used for re-vegetation of the surface. BLM will be notified prior to seeding applications beginning so that the opportunity to witness shall be provided.

An extension on closure of this pit was obtained from NMOCD/BLM due to the company's research on final disposition of the well.

* Subject to like Approval from State

14. I hereby certify that the foregoing is true and correct
Name *(Printed/Typed)*
Kem E. McCready

Title Engingeering Operations Manager

Signature Kem E. McCready

Date 6/3/09

* 6/8/09

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by
James A. Amos

Title SEPS

Date 3 June 09

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon

Office CFO

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)

Accepted for record
NMOCD

JUN 09 2009

Mr. Kem McCready
Operations Engineer
NADEL AND GUSSMAN PERMIAN, LLC
601 N. Marienfeld
Suite 508
Midland, TX 79701

COPY

3 June 2009

Mr. Mike Bratcher
OIL CONSERVATION DIVISION
1301 West Grand Avenue
Artesia, NM 88210

Re: Manco Federal No. 1 Drilling Pit Closure

Dear Mr. Bratcher:

Pursuant to the State of New Mexico regulatory requirements for permanent closure of drilling pits, enclosed herewith is the completed Form C-144, "Proposed Closure Plan" and additional information constituting the "Closure Plan" for closure of the Nadel and Gussman Permian, LLC, hereinafter "NGP", Manco Federal No. 1 drilling pit (API No. 30-015-35553) located in U/L D S26 T21S, R21E, 660' FNL, 1240' FWL of Eddy County, New Mexico.

INTRODUCTION

Remediation of the NGP, Manco Federal No. 1 (Manco) drilling pit is targeted to begin 6 June 2009 with completion expected by 18 June 2009, permitting weather and the occurrence of unexpected conditions not within the Operator's control do not create delays or exacerbate the proposed schedule. NGP intends to maintain its commitment to environmental health and safety and fully comply with the Regulatory Performa of the State of New Mexico, Oil Conservation Division (NMOCD) regarding this disposal action culminating in permanent closure of the Manco drilling pit. Forthwith, please also be advised, NGP has complied with the "New Pit Rule" for deep burial on location, engaging no exceptions in said process, including but not limited to:

1. Manco drilling pit is a Rule 50 permitted pit.
2. No administrative approvals or exceptions are required under the New Pit Rule.
3. Surface owner is in agreement with lined trench burial on location.
4. Depth to groundwater verified at greater than 1,000 feet.
5. Manco well was a dry hole, no anhydrite zones penetrated – plugged and abandoned.

Potential, temporary contamination from the Manco drilling pit site, should any exist, resulted solely from oil and gas production activities. Potential contaminates are lower levels of cut brine concentrations, polymers (such as xanthium gum and starch) and in general, the drilling mud remaining upon completion of said drilling operations. However, as is evidenced by the analytical

data results, the Manco drilling pit contents exhibited very low brine results due to the fact that (1) this well did not pass through an anhydrite zone, (2) was drilled with air down to approximately 3,500 feet, (3) used fresh water when possible, (4) employed a restricted use of cut brine only when necessary and (5) never produced – dry hole.

Area land use is primarily ranching with domestic pasturage commensurate with significant oil and gas production activities. The NGP Manco Federal No. 1 drilling pit is located in an area wherein NMOCD map shows no depth to groundwater data, nor does the State Engineer's Office. NGP drilled a borehole on location adjacent to the pit and found no water to a depth of 70'. Consultation with the local rancher verified he had three windmills producing water at 930', 1100' and 1280' respectively. The last one is located closest to the Manco and lies in S30 21S 21E. Thus deep trench burial disposal is appropriate for this location.

Consequently, deep trench disposal shall be engaged in accordance with the conditions of the approved Form C-144. It is the belief of NGP that compliant environmental performance and reduction of liability in this area pursuant to NMOCD regulations can be achieved with deep burial predicated on the evidentiary groundwater table data heretofore presented. Further, should future Regulatory Performa mandate additional action or should the Operator choose to take additional action, the deep burial option, in this case, (1) limits the environmental impact in general, (2) allows the Operator or government immediate access to said, heretofore, defined liability, and (3) contains said material within the Operator's lease boundary. All actions would cease and NMOCD would immediately be notified should an unexpected issue occur.

CLOSURE PLAN

Prior to commencement of closure activities, the NGP contractor shall contact One-Call for line spot clearance and notify NMOCD at least 24 hours prior to initiation of any closure action on said drilling pit. The following "Closure Plan" shall be strictly adhered to by NGP's contractor for removal of approximately 500 bbls of liquid followed by the removal of all fines (drill cuttings) assuming (1) these fines have sufficiently dried allowing for maneuverability of heavy equipment in the pit area or (2) mixing shall occur in order to achieve the 3:1 ratio and attain sufficient dryness of said fines prior to deposit into the 20 ml HDPE liner, enabling deep burial application to take place and final pit closure.

Environmental health and safety regulations mandate control of pit volumes at all times. Thus, the liquid material was pumped off as needed and properly disposed of during active drilling operations. Water accumulated since this time is either due to liquids resurfacing after the hydrostatic head has been altered through hauling of earlier fluids or rain. Such water, should it exist, has subsequently been hauled from the drilling pit and properly disposed of in accordance with NMOCD Regulatory Performa.

- Contractor shall mobilize to the Manco Federal No. 1 drilling pit site located off of Box Canyon in Eddy County, New Mexico. Personnel and heavy equipment necessary to provide for the initiation and completion of remediation activities presented above shall be engaged as is appropriate to the mandated exercise.

- All remediation activity shall be confined to (1) the existing pad, (2) already disturbed areas as authorized by the APD and approved Best Management Practices (BMP's) and/or (3) not beyond the lease boundaries without the express written permission of the Operator. NGP's dirt contractor assumes sole responsibility for operations in inclement weather conditions and shall cease and desist infield operations immediately when such conditions become unsafe or would in any way be destructive to NGP's lease or at the mandate of NGP's infield representative. Further, NGP's dirt contractor shall ensure the positioning of their equipment to provide a clear area for adequate staging, site control and safety ensuring operations shall be compliant with OSHA and NMOCD Regulatory Performa at all times.

- The Manco Federal No. 1 drilling pit is currently lined by a 12ml HDPE liner, which shall be removed by heavy equipment and disposed of with the drilling fines in the 20 ml lined trench pursuant to NMOCD requirements. No pit area shall be lined prior to sampling, receipt of analytical results from Trace Analysis, Inc. and NMOCD authorization to proceed with closure operations, which shall include and be applicable to all activities beyond the "mixing stage".

- Burial actions provide for the encasement of all drilling pit contents within a 20 ml HDPE liner placed in the burial chamber sufficiently deep enough to provide a minimum of 4 feet of top cover to match the surrounding topographic relief and general "lay of the land" upon completion. Should the presence of rock exacerbate the potential integrity of the liner in perpetuity, the burial pit shall first be lined with 4 ounce Geotextile Felt placing the 20 ml HDPE liner on top with the sides of the "container" married to previously undisturbed ground ensuring no objects such as sharp rocks, etc. shall be in the contact area reducing the potential of puncturing the "container" resulting from (1) the placement of soil on top of it during the backfilling process and (2) the activity of heavy equipment mandated for the job.

- Once the burial trench/pit has been dug to sufficient dimensions to ensure proper placement of the pit contents, the track hoe shall begin to deposit pit materials within the secured "container" until all contaminated pit material has been placed within it. This 20ml HDPE lined burial site shall not be permanently capped and sealed until after the final drilling pit areas have been sampled and approved for closure by the NMOCD. In the event more material must be harvested to achieve compliance, and said harvest shall increase the volume of the material to such a degree that it will threaten the integrity of the "container" or potentially cause leakage to occur by reason of increased volume, an additional 20ml HDPE lined "container" shall be placed either adjacent (when space and terrain permits) or close to the existing "container". Such action will provide for reasonable assurance that no leakage will occur and maintain all contaminates within a specific geographic location on the lease. NGP's dirt contractor shall make every effort to bury within the existing drilling pit.

- Prior to initiation of backfilling, the Operator shall take appropriate samples of the pit area to ensure compliance with NMOCD Standards for remediation of possible soil chloride levels greater than 250 ppm. However if levels at the bottom of the drilling pit test hot or are not within acceptable range, a background set of samples shall be obtained for testing

from the immediate vicinity and compared to those of the pit bottom. Simultaneously, more soil shall be removed from the "hot spots". Once completed, a new data acquisition shall occur and sample results determine whether or not compliance has been reached in order to begin backfilling.

- Backfilling of the Manco Federal No. 1 drilling pit shall be commensurate with existing topography and terrain relief features (contouring) so as to return it to its "near-as" previous condition, including a contour for prevailing wind conditions and moisture accumulation which prevents abnormal or unsustainable water impoundment resulting in erosive actions. All sites shall be seeded in compliance with BLM seed mixtures, which are currently being used by the NMOCD as well.

- The "Closure Plan" shall include a final C-144, final report providing lab analysis of the trench and backfill material, digital project photos and evidentiary narrative to support the completed disposition of the reclaimed Manco Federal No. 1 drilling pit site.

Should you have questions, please call 432-682-4429(office) or 432-425-6347 (cell).

Sincerely,

Kem McCready
Operation Manager

Enclosure: As listed above

TO WHOM IT MAY CONCERN

Please be advised that the 4T & K Cross Cattle Company herewith verifies that it has a well supported by windmill delivery to the surface located in Section 30 T21S R21E having a depth to water greater than 1,000 feet.

4T & K Cross Cattle Company also verifies that regarding the closure and reclamation of the Manco Federal No. 1 well operated by Nadel & Gussman Permian, LLC the following is applicable:

1. That topsoil shall be sold at $2/yard, excavated from a dirt tank located in the immediate area;

2. That the uncontaminated caliche, which shall be removed from location and the spur road, shall be place on the local access roads in the area currently surfaced with caliche;

3. That Nadel & Gussman Permian, LLC shall remove the existing gate leaving it as a fence line, returning access to the area to its previous point along the fence where a gate exists;

4. That Nadel & Gussman, LLC shall reclaim only the 0.1 mile spur road connecting to the pad from the caliche road, accessing the area from the County Road;

5. That Nadel & Gussman Permian, LLC shall remove the pea gravel and possibly some caliche from the location to the watering tank in the area which will provide for better conditions for the cattle utilizing the area;

6. That 4T & K Cross Cattle Company agrees to the lined (20 ml liner), trench burial of the drilling fines and mud generated by the drilling of the Manco Federal No. 1 well on location.

Agreed to and signed by this day _____of June, 2009:

_____
Sandi Wilkie, 4T & K Cross Cattle Company

Kem McCready
_____
Kem McCready, Nadel & Gussman Permian, LLC

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

DISTRICT IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

1220 South St. Francis Dr.
Santa Fe, New Mexico 87505

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number	Pool Code	Pool Name
		WILDCAT (MORROW), BOX CANYON (UPPER-PENNSYLVANIAN)

Property Code	Property Name	Well Number
	MANCO FEDERAL	1

OGRID No.	Operator Name	Elevation
	NADEL AND GUSSMAN PERMIAN	4640'

Surface Location

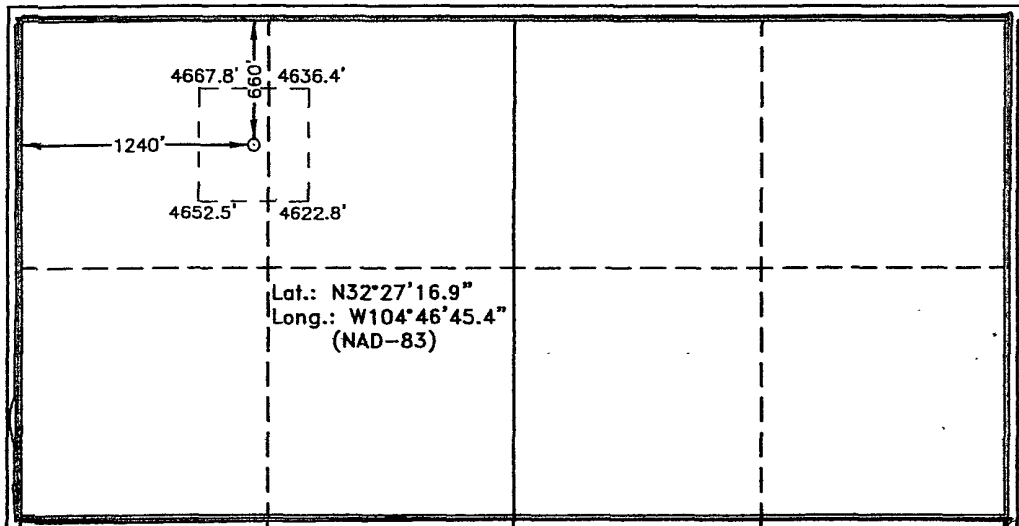
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
D	26	21 S	21 E		660	NORTH	1240	WEST	EDDY

Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

Dedicated Acres	Joint or Infill	Consolidation Code	Order No.
320			

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION



OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Signature Date 2/22/07

TERRY WEST
Printed Name

SURVEYOR CERTIFICATION

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 supervison, and that the same is true and correct to the best of my belief.

SEPTEMBER 13, 2006
Date Surveyed

Signature & Seal of Professional Surveyor

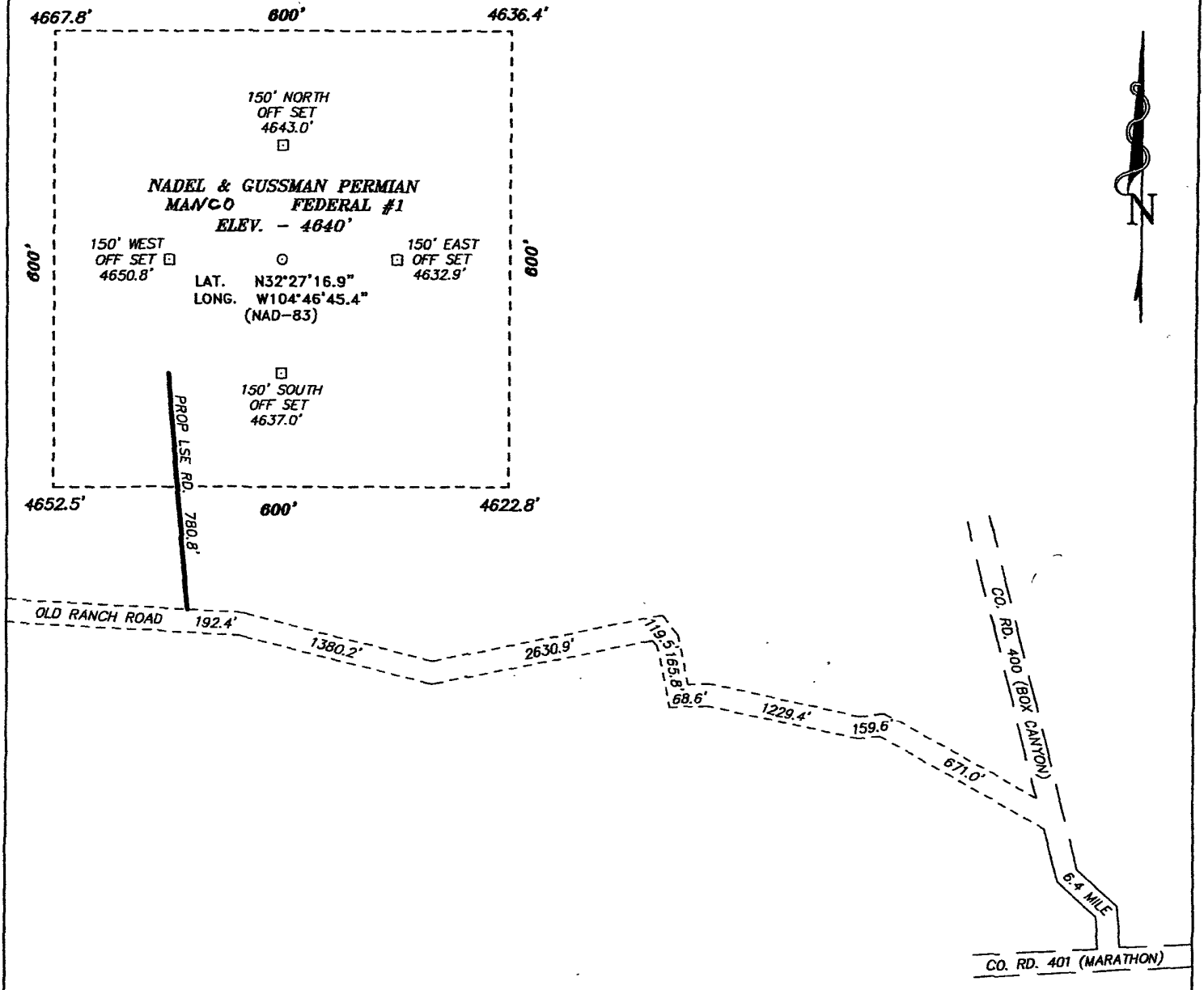
GARY L. JONES
NEW MEXICO
7977
REGISTERED PROFESSIONAL LAND SURVEYOR
BASIN SURVEYS

W.O. No. 7062

Certificate No. Gary L. Jones 7977

EXHIBIT 2

SECTION 26, TOWNSHIP 21 SOUTH, RANGE 21 EAST, N.M.P.M.,
EDDY COUNTY, NEW MEXICO.



Directions to Location:

FROM THE JUNCTION OF CO. RD. 401 (MARATHON) AND CO. RD. 400 (BOX CANYON) PROCEED NORTHWEST ON CO. RD. 400 FOR 6.4 MILE TO RANCH ROAD AND PROPOSED LEASE ROAD.

NADEL AND GUSSMAN PERMIAN

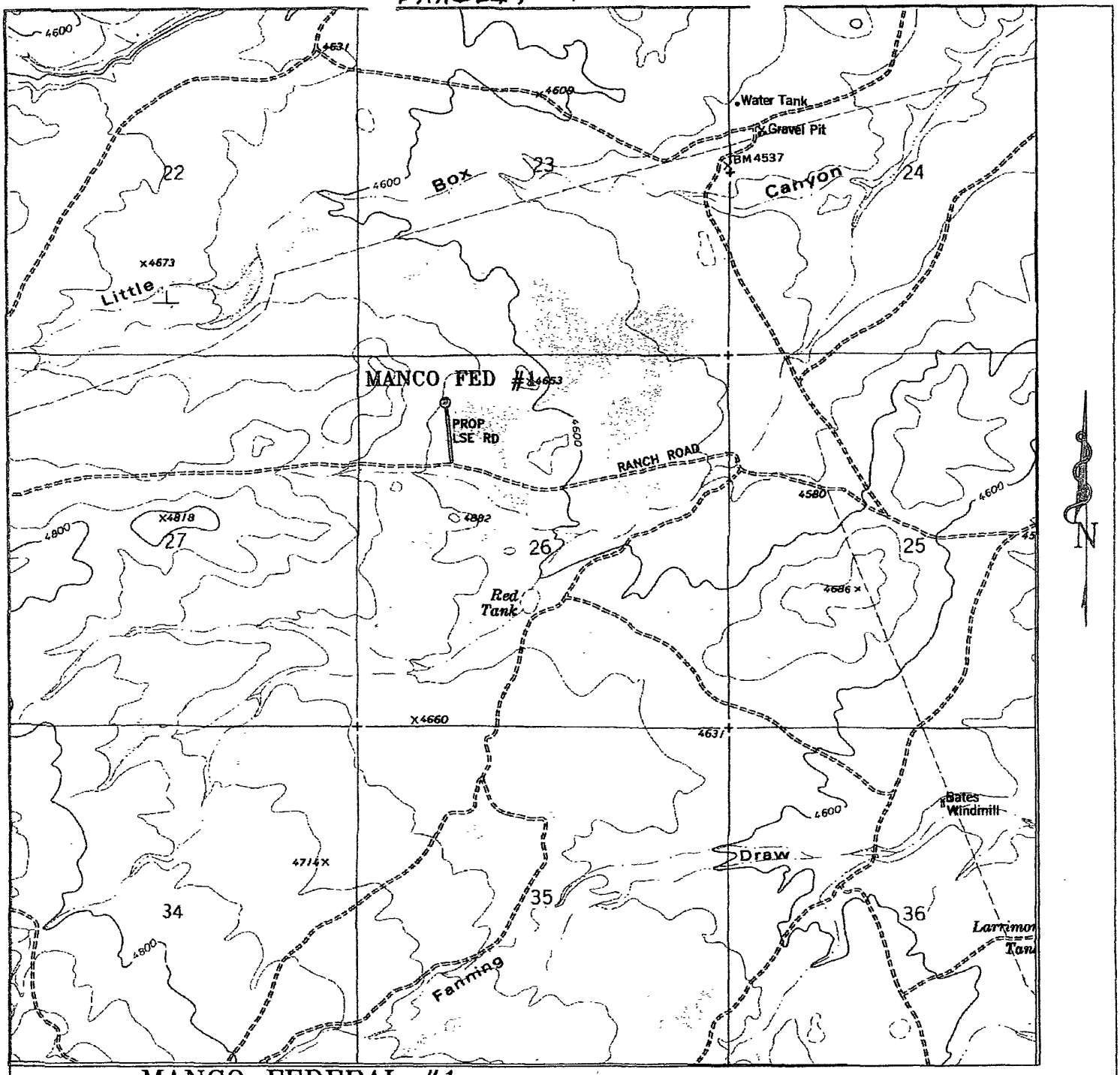
REF: MANCO FEDERAL #1/ Well Pad Topo

MANCO FEDERAL NO. 1 LOCATED 660' FROM THE NORTH LINE AND 1240' FROM THE WEST LINE OF SECTION 26, TOWNSHIP 21 SOUTH, RANGE 21 EAST, N.M.P.M., EDDY COUNTY, NEW MEXICO.

BASIN SURVEYS P.O. BOX 1786 – HOBBS, NEW MEXICO

W.O. Number: 7062	Drawn By: J. M. SMALL		
Date: 09-14-2006	Disk: JMS 7062W	Survey Date: 09-13-2006	Sheet 1 of 1 Sheets

EXHIBIT 4



MANCO FEDERAL #1
Located at 660' FNL & 1240' FWL
Section 26, Township 21 South, Range 21 East,
N.M.P.M., EDDY County, New Mexico.

Basin Surveys
focused on excellence in the oilfield

P.O. Box 1786
1120 N. West County Rd.
Hobbs, New Mexico 88241
(505) 393-7316 - Office
(505) 392-3074 - Fax
basinsurveys.com

W.O. Number: JMS 7062T
Survey Date: 09-13-2006
Scale: 1" = 2000'
Date: 09-14-2006

NADEL AND GUSSMAN PERMIAN

Summary Report

Kem McCready
Nadel & Gussman Permian LLC
601 N. Marienfeld
Suite 508
Midland, TX 79701

Report Date: May 6, 2009

Work Order: 9042317

Project Name: Manco Pit Closure
Project Number: Manco Fed. #1

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
193810	15-Point Composite	soil	2009-04-21	12:30	2009-04-23

	BTEX				TPH 418.1	TPH DRO	TPH GRO
	Benzene	Toluene	Ethylbenzene	Xylene	TRPHC	DRO	GRO
Sample - Field Code	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)
193810 - 15-Point Composite	<0.0200	<0.0200	<0.0200	<0.0200	**346**	**104**	**1.97**

Sample: 193810 - 15-Point Composite

Param	Flag	Result	Units	RL
SPLP Silver		<0.00300	mg/L	0.00300
SPLP Arsenic		<0.0100	mg/L	0.0100
SPLP Barium		**0.256**	mg/L	0.100
SPLP Cadmium		<0.00500	mg/L	0.00500
SPLP Chloride		**24.7**	mg/L	0.500
SPLP Chromium		<0.00500	mg/L	0.00500
SPLP Cyanide		<0.0150	mg/L	0.0150
SPLP Fluoride		<1.00	mg/L	0.200
SPLP Mercury		<0.000200	mg/L	0.000200
Nitrate-N		<1.00	mg/L	0.200
Naphthalene		<0.000200	mg/L	0.000200
Acenaphthylene		<0.000200	mg/L	0.000200
Acenaphthene		<0.000200	mg/L	0.000200
Dibenzofuran		<0.000200	mg/L	0.000200
Fluorene		<0.000200	mg/L	0.000200
Anthracene		<0.000200	mg/L	0.000200
Phenanthrene		<0.000200	mg/L	0.000200
Fluoranthene		<0.000200	mg/L	0.000200

continued ...

sample 193810 continued ...

Param	Flag	Result	Units	RL
Pyrene		<0.000200	mg/L	0.000200
Benzo(a)anthracene		<0.000200	mg/L	0.000200
Chrysene		<0.000200	mg/L	0.000200
Benzo(b)fluoranthene		<0.000200	mg/L	0.000200
Benzo(k)fluoranthene		<0.000200	mg/L	0.000200
Benzo(a)pyrene		<0.000200	mg/L	0.000200
Indeno(1,2,3-cd)pyrene		<0.000200	mg/L	0.000200
Dibenzo(a,h)anthracene		<0.000200	mg/L	0.000200
Benzo(g,h,i)perylene		<0.000200	mg/L	0.000200
SPLP Lead		<0.0100	mg/L	0.0100
Total PCB		<0.000500	mg/L	0.000500
Aroclor 1016 (PCB-1016)		<0.000500	mg/L	0.000500
Aroclor 1221 (PCB-1221)		<0.000500	mg/L	0.000500
Aroclor 1232 (PCB-1232)		<0.000500	mg/L	0.000500
Aroclor 1242 (PCB-1242)		<0.000500	mg/L	0.000500
Aroclor 1248 (PCB-1248)		<0.000500	mg/L	0.000500
Aroclor 1254 (PCB-1254)		<0.000500	mg/L	0.000500
Aroclor 1260 (PCB-1260)		<0.000500	mg/L	0.000500
Aroclor 1268 (PCB-1268)		<0.000500	mg/L	0.000500
SPLP Selenium		<0.0500	mg/L	0.0500
SPLP U		<0.0500	mg/L	0.0500
Bromochloromethane		<1.00	µg/L	1.00
Dichlorodifluoromethane		<1.00	µg/L	1.00
Chloromethane (methyl chloride)		<1.00	µg/L	1.00
Vinyl Chloride		<1.00	µg/L	1.00
Bromomethane (methyl bromide)		<5.00	µg/L	5.00
Chloroethane		<1.00	µg/L	1.00
Trichlorofluoromethane		<1.00	µg/L	1.00
Acetone		<10.0	µg/L	10.0
Iodomethane (methyl iodide)		<5.00	µg/L	5.00
Carbon Disulfide		<1.00	µg/L	1.00
Acrylonitrile		<1.00	µg/L	1.00
2-Butanone (MEK)		<5.00	µg/L	5.00
4-Methyl-2-pentanone (MIBK)		<5.00	µg/L	5.00
2-Hexanone		<5.00	µg/L	5.00
trans 1,4-Dichloro-2-butene		<10.0	µg/L	10.0
1,1-Dichloroethene		<1.00	µg/L	1.00
Methylene chloride		**9.35**	µg/L	5.00
MTBE		<1.00	µg/L	1.00
trans-1,2-Dichloroethene		<1.00	µg/L	1.00
1,1-Dichloroethane		<1.00	µg/L	1.00
cis-1,2-Dichloroethene		<1.00	µg/L	1.00
2,2-Dichloropropane		<1.00	µg/L	1.00
1,2-Dichloroethane (EDC)		<1.00	µg/L	1.00
Chloroform		<1.00	µg/L	1.00
1,1,1-Trichloroethane		<1.00	µg/L	1.00
1,1-Dichloropropene		<1.00	µg/L	1.00

continued ...

sample 193810 continued ...

Param	Flag	Result	Units	RL
Benzene		**1.04**	µg/L	1.00
Carbon Tetrachloride		<1.00	µg/L	1.00
1,2-Dichloropropane		<1.00	µg/L	1.00
Trichloroethene (TCE)		<1.00	µg/L	1.00
Dibromomethane (methylene bromide)		<1.00	µg/L	1.00
Bromodichloromethane		<1.00	µg/L	1.00
2-Chloroethyl vinyl ether		<5.00	µg/L	5.00
cis-1,3-Dichloropropene		<1.00	µg/L	1.00
trans-1,3-Dichloropropene		<1.00	µg/L	1.00
Toluene		**26.7**	µg/L	1.00
1,1,2-Trichloroethane		<1.00	µg/L	1.00
1,3-Dichloropropane		<1.00	µg/L	1.00
Dibromochloromethane		<1.00	µg/L	1.00
1,2-Dibromoethane (EDB)		<1.00	µg/L	1.00
Tetrachloroethene (PCE)		**2.08**	µg/L	1.00
Chlorobenzene		<1.00	µg/L	1.00
1,1,1,2-Tetrachloroethane		<1.00	µg/L	1.00
Ethylbenzene		**1.05**	µg/L	1.00
m,p-Xylene		**12.8**	µg/L	1.00
Bromoform		<1.00	µg/L	1.00
Styrene		<1.00	µg/L	1.00
o-Xylene		**1.85**	µg/L	1.00
1,1,2,2-Tetrachloroethane		<1.00	µg/L	1.00
2-Chlorotoluene		<1.00	µg/L	1.00
1,2,3-Trichloropropane		<1.00	µg/L	1.00
Isopropylbenzene		<1.00	µg/L	1.00
Bromobenzene		<1.00	µg/L	1.00
n-Propylbenzene		<1.00	µg/L	1.00
1,3,5-Trimethylbenzene		<1.00	µg/L	1.00
tert-Butylbenzene		<1.00	µg/L	1.00
1,2,4-Trimethylbenzene		<1.00	µg/L	1.00
1,4-Dichlorobenzene (para)		<1.00	µg/L	1.00
sec-Butylbenzene		<1.00	µg/L	1.00
1,3-Dichlorobenzene (meta)		<1.00	µg/L	1.00
p-Isopropyltoluene		<1.00	µg/L	1.00
4-Chlorotoluene		<1.00	µg/L	1.00
1,2-Dichlorobenzene (ortho)		<1.00	µg/L	1.00
n-Butylbenzene		<1.00	µg/L	1.00
1,2-Dibromo-3-chloropropane		<5.00	µg/L	5.00
1,2,3-Trichlorobenzene		<5.00	µg/L	5.00
1,2,4-Trichlorobenzene		<5.00	µg/L	5.00
Naphthalene		<5.00	µg/L	5.00
Hexachlorobutadiene		<5.00	µg/L	5.00

Blair Leftwich <bleftwich@traceanalysis.com>
SPLP Radium 226 and 228
May 27, 2009 12:35:40 PM MDT (CA)
cheryl winkler <cmwink@mac.com>

The SPLP Radium 226 and 228 combined result for Manco Pit Closure, Manco Fed.#1, sample #193810, received 4-23-09, was 0.489 pico curies per liter. This is ten times lower than the New Mexico ground water limits of 5.0 pico curies per limit, therefore the sample is well below the allowable limits for SPLP Radium.

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Thank you,
Dr. Blair Leftwich
Laboratory Director
TraceAnalysis, Inc.

Phone: (806)794-1296
Fax: (806)794-1298

ARS INTERNATIONAL

2609 North River Road, Port Allen, Louisiana 70767

1 (800) 401-4277 FAX (225) 381-2996

ARS Sample Delivery Group:	ARS1-09-01319	**Request or PO Number:**	9042317
Client Sample ID:	193810	**ARS Sample ID:**	ARS1-09-01319-001
Sample Collection Date:	04/21/09 12:30	**Date Received:**	04/28/09
Sample Matrix:	Aqueous	**Report Date:**	05/20/09 15:41

Analysis Description	Analysis Results	Analysis Error +/- 2 s	MDC	DLC	Qual	Analysis Units	Analysis Test Method	Analysis Date/Time	Analysis Technician	Tracer/Chem Recovery
RA-226	0.489	0.499	0.233	0.077		pCi/L	ARS-010/EPA 904.0	5/12/09 15:09	GJ	130%
RA-228	-0.007	0.737	1.335	0.619	U	pCi/L	ARS-010/EPA 904.0	5/11/09 15:44	GJ	100%

NOTES: Chemical yield for Ra-226 fell outside of acceptance criteria biased high; sample is a produced water. Duplicate samples for the Radiums fell outside of acceptance criteria biased high, data reported per technical review.

C. Bulloch

Project Manager Review

LELAP Certificate# 30658 NELAP Certificate # E87558

Well Selection Criteria Quick Print

(tblWellMaster.api_wellno Like '30015355530000' and opno = 155615)

#	Well Name and No.		Operator Name	Typ	Stat	County	Surf	UL	Sec	Twp	Rng	Ft N/S	Ft E/W	UICPrmt	Lst Insp Dt
5553-00-00	MONCO FEDERAL	001	NADEL AND GUSSMAN PERMIA	G	P	Eddy	F	D	26	21 S	21 E	660 N	1240 W		12/12/2008

Township: 21S Range: 21E Sections:

NAD27 X: Y: Zone: Search Radius:

County: Basin: Number: Suffix:

Owner Name: (First) (Last) ○ Non-Domestic ○ Domestic ◉ All

POD / Surface Data Report | Avg Depth to Water Report | Water Column Report

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AVERAGE DEPTH OF WATER REPORT 04/16/2009

(Depth Water in Feet)

Bsn	Tws	Rng	Sec	Zone	X	Y	Wells	Min	Max	Avg

No Records found, try again

Burial Trench Construction/Design Plan

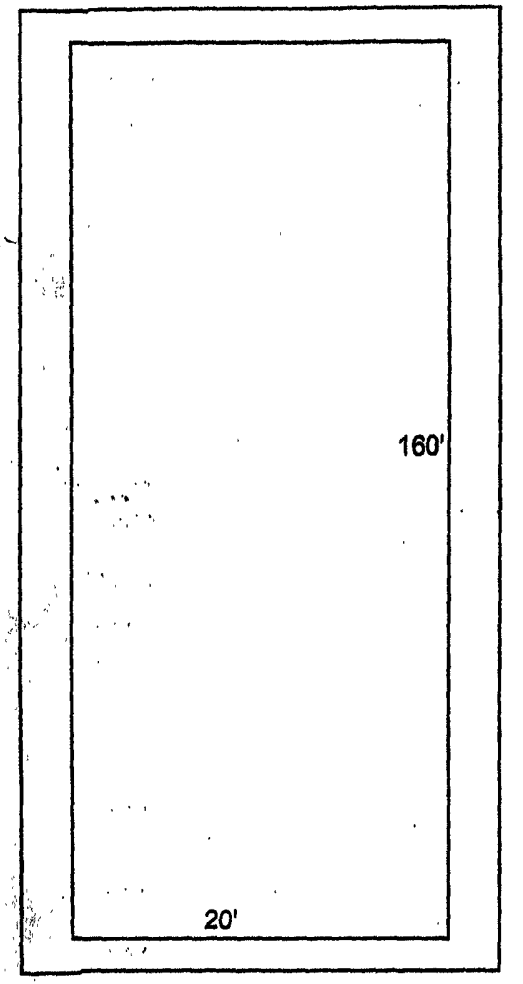
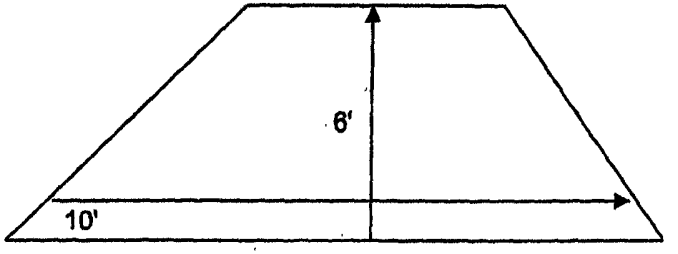


Exhibit
Not to Scale



Soil Cover Design