

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Form C-144
June 1, 2004

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

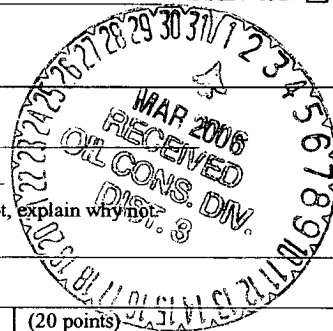
For drilling and production facilities, submit to appropriate NMOCD District Office.
For downstream facilities, submit to Santa Fe office

Pit or Below-Grade Tank Registration or Closure

Is pit or below-grade tank covered by a "general plan"? Yes ☐ No ☐

Type of action: Registration of a pit or below-grade tank ☐ Closure of a pit or below-grade tank ☒

Operator: <u>Western Minerals & Oil LLC</u> Telephone: <u>505-320-2380</u> e-mail address: _____		
Address: <u>PO Box 1228, Farmington, NM</u> Facility or well name: <u>Shodgrass 001</u> API# <u>300522775</u> U/L# <u>1660</u> FSL# <u>1530</u> FWL# <u>Sec 24 T 27N R 8W</u>		
County: <u>San Juan</u>	Latitude <u>36°33.354</u>	Longitude <u>107° 38.303</u> NAD: 1927 <input type="checkbox"/> 1983 <input type="checkbox"/>
Surface Owner: Federal <input type="checkbox"/> State <input type="checkbox"/> Private <input checked="" type="checkbox"/> Indian <input type="checkbox"/>		
Pit Type: Drilling <input type="checkbox"/> Production <input checked="" type="checkbox"/> Disposal <input type="checkbox"/> Workover <input type="checkbox"/> Emergency <input type="checkbox"/> Lined <input type="checkbox"/> Unlined <input checked="" type="checkbox"/> Liner type: Synthetic <input type="checkbox"/> Thickness _____ mil Clay <input type="checkbox"/> Pit Volume _____ bbl	Below-grade tank Volume: _____ bbl Type of fluid: _____ Construction material: _____ Double-walled, with leak detection? Yes <input type="checkbox"/> If not, explain why not: _____	
Depth to ground water (vertical distance from bottom of pit to seasonal high water elevation of ground water.)	Less than 50 feet	(20 points)
	50 feet or more, but less than 100 feet	(10 points)
	100 feet or more X	(0 points) X
Wellhead protection area: (Less than 200 feet from a private domestic water source, or less than 1000 feet from all other water sources.)	Yes	(20 points)
	No X	(0 points) X
Distance to surface water: (horizontal distance to all wetlands, playas, irrigation canals, ditches, and perennial and ephemeral watercourses.)	Less than 200 feet	(20 points)
	200 feet or more, but less than 1000 feet	(10 points)
	1000 feet or more X	(0 points) X
Ranking Score (Total Points)		0



- If this is a pit closure:** (1) Attach a diagram of the facility showing the pit's relationship to other equipment and tanks. (2) Indicate disposal location: (check the onsite box if you are burying in place) onsite ☒ offsite ☐ If offsite, name of facility: (3) Attach a general description of remedial action taken including remediation start date and end date. (4) Groundwater encountered: No ☒ Yes ☐ If yes, show depth below ground surface _____ ft. and attach sample results. (5) Attach soil sample results and a diagram of sample locations and excavations.

Additional Comments: Decommissioned Separator Pit. Separator will be removed during backfill activities.

I hereby certify that the information above is true and complete to the best of my knowledge and belief. I further certify that the above-described pit or below-grade tank has been/will be constructed or closed according to NMOCD guidelines ☒, a general permit ☐, or an (attached) alternative OCD-approved plan ☐.

Date: 2/1/06

Printed Name/Title: THOMAS J. SMITH, AGENT

Signature: Thomas J. Smith

Your certification and NMOCD approval of this application/closure does not relieve the operator of liability should the contents of the pit or tank contaminate ground water or otherwise endanger public health or the environment. Nor does it relieve the operator of its responsibility for compliance with any other federal, state, or local laws and/or regulations.

Approval:

Printed Name/Title: DEPUTY OIL & GAS INSPECTOR, DIST. 3

Signature: Denny Fay

Date: MAR 01 2006



November 14, 2005

SMA Project: 5115625

RE: Sampling activities for Pit Closure at the Snodgrass 001. Unit K, Sec. 24, T 27N, R 8W, Largo Chakra, Rio Arriba County NM. State Lease 03605A. API 3004522775.

On November 1, 2005, SMA mobilized to the unlined separator pit at the Snodgrass 1. The dimensions of the unlined pit are approximately 16 X 16 X 3 feet. SMA collected a five-point composite soil sample from the center and each corner of the pit bottom for field analysis by Photo Ionization Detector (PID). A four-point composite soil sample was collected from the sidewalls for field analysis by PID. The pit bottom composite sample showed a PID reading of 1.1 units and the sidewall composite sample showed a PID reading of 1.4 units. Soil samples for closure were collected for laboratory analysis. Samples were analyzed for Diesel Range Organics (DRO), and Gasoline Range Organics (GRO) by EPA Method 8015B. Based on Field Screening with a PID, BTEX was not analyzed by laboratory methods. The laboratory analysis of the closure samples showed hydrocarbon levels of:

November 1, 2005	PID Units	DRO ppm	GRO ppm	BTEX ppm
4 Point Sidewall	1.4	BDL	BDL	NA
5 Point Pit Bottom	1.1	15 ppm	BDL	NA

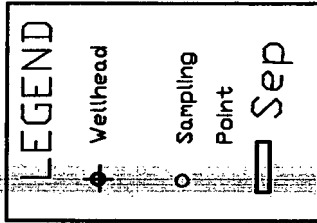
BDL: Below Detection Limits

NA: Not Analyzed

No remedial excavation is required based on laboratory analysis of soil samples. On behalf of our client, Western Minerals and Oil, SMA requests closure for this pit. Groundwater was not encountered.

Respectfully submitted,

John Hagstrom
Environmental Technician
Souder, Miller and Associates



APPROVED:	DATE:
DRWN BY: JPH	DATE: 11/14/05
CHK'D BY:	DATE:
PROJECT NO: 5115625	
SHEET: 1 OF 1	

1660 FSL, 1530 FWL, S24, T27N, R8W
API 300522775
San Juan County, NM
Snodgrass 001

612 E. Murray Drive
Farmington, NM 87499

Off: (505) 327-1072

ANALYTICAL REPORT

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P.O. Box 3788
Shiprock, NM 87420

Date: 14-Nov-05 Off: (505) 368-4065

CLIENT: Souder, Miller & Associates

Work Order: 0511003

Project: Snodgrass 1/5115625

Lab ID: 0511003-001A

Client Sample Info: Snodgrass 1

Client Sample ID: 4 PT Sidewall

Collection Date: 11/1/2005 9:00:00 AM

Matrix: SOIL

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		SW8015B				Analyst: JEM
T/R Hydrocarbons: C10-C28	ND	25.0		mg/Kg	1	11/10/2005
Surr: o-Terphenyl	69.6	46.8-124		%REC	1	11/10/2005
GASOLINE RANGE ORGANICS		SW8015B				Analyst: JEM
T/R Hydrocarbons: C6-C10	ND	4.50		mg/Kg	25	11/6/2005
Surr: Trifluorotoluene	108	71.9-125		%REC	25	11/6/2005

Qualifiers:
ND - Not Detected at the Practical Quantitation Limit
J - Analyte detected below Practical Quantitation Limit
B - Analyte detected in the associated Method Blank
H - Parameter exceeded Maximum Allowable Holding Time

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted precision limits
E - Value above Upper Quantitation Limit - UQL

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612 E. Murray Drive
Farmington, NM 87499

Off: (505) 327-1072

ANALYTICAL REPORT

iiná bá

P.O. Box 3788
Shiprock, NM 87420

Date: 14-Nov-05 Off: (505) 368-4065

CLIENT: Souder, Miller & Associates

Client Sample Info: Snodgrass 1

Work Order: 0511003

Client Sample ID: 5 PT Pit Bottom

Project: Snodgrass 1/5115625

Collection Date: 11/1/2005 9:00:00 AM

Lab ID: 0511003-002A

Matrix: SOIL

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		SW8015B		Analyst: JEM		
T/R Hydrocarbons: C10-C28	15	25.0	J	mg/Kg	1	11/10/2005
Surr: o-Terphenyl	164	46.8-124	S	%REC	1	11/10/2005
GASOLINE RANGE ORGANICS		SW8015B		Analyst: JEM		
T/R Hydrocarbons: C6-C10	ND	4.50		mg/Kg	25	11/6/2005
Surr: Trifluorotoluene	107	71.9-125		%REC	25	11/6/2005

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