

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

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

Form C-144
June 1, 2004

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: Samson Resources Co. Telephone: 432-683-7063 e-mail address: gpetree@samson.com		
Address 200 N. Loraine Suite 1010 Midland, Texas 79701		
Facility or well name: Lightning 24 Federal Com No. 001 API#: 30-015-33001 U/L or Qtr/Qtr B Sec 24 T 25S R 26E		
County: Eddy County Latitude _____ Longitude _____ NAD: 1927 ☐ 1983 ☐		
Surface Owner: Federal ☒ State ☐ Private ☐ Indian ☐		
Pit Type: Drilling ☒ Production ☐ Disposal ☐ Workover ☐ Emergency ☐ Lined ☒ Unlined ☐ Liner type: Synthetic ☒ Thickness 12/20 mil Clay ☐ Pit Volume bbl	Below-grade tank Volume: _____ bbl Type of fluid: _____ Construction material: _____ Double-walled, with leak detection? Yes ☐ If not, explain why _____	RECEIVED JAN 24 2006 OCD-ARTECIA
Depth to ground water (vertical distance from bottom of pit to seasonal high water elevation of ground water.)	Less than 50 feet 50 feet or more, but less than 100 feet 100 feet or more	(20 points) (10 points) (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 No	(20 points) (0 points)
Distance to surface water: (horizontal distance to all wetlands, playas, irrigation canals, ditches, and perennial and ephemeral watercourses.)	Less than 200 feet 200 feet or more, but less than 1000 feet 1000 feet or more	(20 points) (10 points) (0 points)X
Ranking Score (Total Points)		0 Points

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: Work plan for closure pit. Pit contents will be mixed with earthen material to stiffen pit contents. Encapsulation trench will be constructed and lined with a 12 mil synthetic liner. Pit contents will be placed in a lined trench. A 20 mil synthetic liner will then be placed over the pit contents with a 3' over lap of the under lying pit area. The capping liner will then have a min. of 3' of top soil placed on top. A 48 hour notice will be provided to the Oil Conservation Division before pit closure actions begin.

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: 12/23/05

Printed Name/Title

Tim Riggan Agent

Signature

Tim Riggan

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

Mike Bratcher ASST

Signature

Mike Bratcher

Date:

1/23/06

12/22/05: 6" Borehole advanced to 60' bgs in CH J (same elevation) - No water encountered

File Number: _____

NEW MEXICO OFFICE OF THE STATE ENGINEER
WELL RECORD

RECEIVED

JAN 24 2006

ODD-MITEOM

1. OWNER OF WELL

Name: Samson Resources Work Phone: _____
Contact: _____ Home Phone: _____
Address: 200 N. Loraine
City: Midland State: TX Zip: 79701

2. LOCATION OF WELL (A, B, C, or D required, E or F if known)

A. 1/4 1/4 1/4 Section: 24 Township: 25S Range: 26E N.M.P.M.
in Eddie County.

B. X = _____ feet, Y = _____ feet, N.M. Coordinate System
Zone in the _____ Grant.
U.S.G.S. Quad Map _____

C. Latitude: 32 d 06 m 47.3 s Longitude: 104 d 14 m 39.7 s

D. East _____ (m), North _____ (m), UTM Zone 13, NAD _____ (27 or 83)

E. Tract No. _____, Map No. _____ of the _____ Hydrographic Survey

F. Lot No. _____, Block No. _____ of Unit/Tract _____ of the
_____ Subdivision recorded in _____ County.

G. Other: Lighting 24 Federal Com #2

H. Give State Engineer File Number if existing well: _____

I. On land owned by (required): Samson Resources

3. DRILLING CONTRACTOR

License Number: WD-1456
Name: White Drilling Company, Inc. Work Phone: 325-893-2950
Agent: John W. White Home Phone: 325-893-2950
Mailing Address: P.O. Box 906
City: Clyde State: TX Zip: 79510

4. DRILLING RECORD #1A

Drilling began: 12/22/05; Completed: 12/22/05; Type tools: Air Rotary;
Size of hole: 6 1/8 in.; Total depth of well: 60.0 ft.;
Completed well is: shallow (shallow, artesian);
Depth to water upon completion of well: DRY ft.

File Number: _____ Trn Number: _____

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File Number: _____

**NEW MEXICO OFFICE OF THE STATE ENGINEER
WELL RECORD**

5. PRINCIPAL WATER-BEARING STRATA #1A

Depth in Feet		Thickness	Description of	Estimated Yield
From	To	in feet	water-bearing formation	(GPM)
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____

6. RECORD OF CASING

Diameter (inches)	Pounds per ft.	Threads per in.	Depth in Feet		Length (feet)	Type of Shoe	Perforations	
			Top	Bottom			From	To
_____	_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____	_____

7. RECORD OF MUDDING AND CEMENTING

Depth in Feet		Hole	Sacks	Cubic Feet	Method of Placement
From	To	Diameter	of mud	of Cement	
60.0	0.0	6 1/8	_____	_____	Backfill cuttings
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

8. PLUGGING RECORD

Plugging Contractor: _____
Address: _____
Plugging Method: _____
Date Well Plugged: _____

Plugging approved by: _____
State Engineer Representative

No.	Depth in Feet	Cubic Feet of Cement
	Top Bottom	
1	_____	_____
2	_____	_____
3	_____	_____
4	_____	_____
5	_____	_____

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NEW MEXICO OFFICE OF THE STATE ENGINEER
WELL RECORD

9. LOG OF HOLE #1A

[illegible]

~~RECEIVED~~

~~JAN 24 2006~~

DOB-ANTESIA

File Number: Trn Number:

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