

DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

DISTRICT I
P.O. Drawer DD, Artesia, NM 88210

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

OIL CONSERVATION DIVISION

2040 Pacheco St.
Santa Fe, New Mexico 87505

WELL API NO.

30-045-30096

5. Indicate Type of Lease

STATE ☒

FEE ☐

6. State Oil & Gas Lease No.

VA 235

SUNDRY NOTICES AND REPORTS ON WELLS

(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A
DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT"

(FORM C-101) FOR SUCH PROPOSALS)

1. Type of Well:

OIL

GAS

WELL ☐

WELL ☐

OTHER

Salt Water Disposal

2. Name of Operator

Pendragon Energy Partners

3. Address of Operator

c/o Walsh Engineering, 7415 East Main Street, Farmington, NM 87402

4. Well Location

Unit Letter K : 2220 Feet From The South Line and 1680'

Feet From The West Line

Section 16

Township 26N Range 12W

NMPM

County

10. Elevation (Show whether DF, RKB, RT, GR, etc.)

6016' GR

Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

11. NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐

PLUG AND ABANDON ☐

TEMPORARILY ABANDON ☐

CHANGE PLANS ☐

PULL OR ALTER CASING ☐

OTHER:

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐

ALTERING CASING ☐

COMMENCE DRILLING OPNS. ☐

PLUG & ABANDONMENT ☐

CASING TEST AND CEMENT JO ☐

OTHER: See Below

☒

12. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent date, including estimated date of starting any proposed work).
SEE RULE 1103.

2/27/02 Perforated the following intervals at 2 spf (0.43" holes). Total of 910 perforations. 3878 - 82;
3854 - 58; 3810 - 34; 3754 - 66; 3708 - 25; 3406 - 80; 3363 - 81; 3260 - 74; 3220 - 40; 3190 - 96;
3160 - 66; 2983 - 94; 2953 - 66; 2939 - 43; 2928 - 32; 2903 - 13; 2673 - 2708; 2316 - 24; 2271 - 2308
2238 - 56; 2206 - 10; 2172 - 80; 2158 - 69; 2133 - 47; 2000 - 79.

2/28/02 Ran a 5-1/2" X 2-3/8" plastic lined packer on 61 jts of 2-7/8", 6.5#, J-55, internally plastic
lined tubing and set the packer in compression at 1959' KB. Loaded the annulus with corrosion
inhibitor and pressure tested to 540 psi for 30 min. Test held OK and was witnessed by the NMOCD.

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

SIGNATURE

TITLE Agent/Engineer

DATE 02/28/02

TYPE OR PRINT NAME

Paul C. Thompson

TELEPHONE NO.

(505) 327-4892

(This space for State Use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-103
Revised 1-1-89

OIL CONSERVATION DIVISION

2040 Pacheco St.
Santa Fe, New Mexico 87505

DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

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

WELL API NO. 30-043-30096
5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> <input type="checkbox"/> FEB <input type="checkbox"/>
6. State Oil & Gas Lease No. VA 235
7. Lease Name or Unit Agreement Name Cowsaround SWD
8. Well No. #1
9. Pool name or Wildcat Blanco Mesa Verde
10. Elevation (Show whether DF, RKB, RT, GR, etc.) 6016' GR

SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS)	
1. Type of Well: OIL <input type="checkbox"/> GAS <input type="checkbox"/> WELL <input type="checkbox"/> WELL <input type="checkbox"/> OTHER <input checked="" type="checkbox"/> Salt Water Disposal	2. Name of Operator Pendragon Energy Partners
3. Address of Operator c/o Walsh Engineering, 7415 East Main Street, Farmington, NM 87402	4. Well Location Unit Letter <u>K</u> <u>2220</u> Feet From The <u>South</u> Line and <u>1680'</u> Feet From The <u>West</u> Line Section <u>16</u> Township <u>26N</u> Range <u>12W</u> NMPM County
11. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data	
NOTICE OF INTENTION TO: PERFORM REMEDIAL WORK <input type="checkbox"/> TEMPORARILY ABANDON <input type="checkbox"/> PULL OR ALTER CASING <input type="checkbox"/> OTHER: <input type="checkbox"/>	SUBSEQUENT REPORT OF: REMEDIAL WORK <input type="checkbox"/> ALTERING CASING <input type="checkbox"/> COMMENCE DRILLING OPNS. <input type="checkbox"/> PLUG & ABANDONMENT <input type="checkbox"/> CASING TEST AND CEMENT JOBS <input type="checkbox"/> OTHER: <u>See Below</u> <input checked="" type="checkbox"/>

12. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent date, including estimated date of starting any proposed work).
SEE RULE 1103.

Pendragon Energy Partners completed this Salt Water Disposal well according to the attached treatment reports.

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

SIGNATURE Paul C. Thompson
TYPE OR PRINT NAME Paul C. Thompson

TITLE Agent/Engineer
TELEPHONE NO. (505) 327-4892

DATE 02/26/02

(This space for State Use)

APPROVED BY _____
CONDITIONS OF APPROVAL, IF ANY:

TITLE _____

DATE _____

FRACTURE TREATMENT REPORT

Operator: Pendragon Energy Partners Well Name: Cowsaround SWD #1
 Date: 13-Feb-02
 Field: Blanco Mesa Verde Location: 16/28N12W County: San Juan State: NM
 Stimulation Company: American Energy Supervisor: Paul Thompson

Stage #: 1/2 Point Lookout and some Manefee

Sand on location : Design: 65,000 Weight ticket: 130,130 Size/type: 20/40 Brady

Fluid on location : No. of Tanks: 8 Strap: 20' Amount: 3,200 Usable: 2,880

Depth: 3881' - 3153' Total Holes: 37 PBD: 8996' KB
 Shots per foot: 1 EHD: 0.42" - 0.38"

Acid: 1000 gals 15% HCl Comments: Well broke at 1830#. Disp acid at 8 BPM and 1300 psi.
 Balls: 70 Good ball action to 3500#.
 Pressure: 1300# - 3500# Rate: 4 - 15 BPM
 Recovered 67 balls with 35 hits.

ATP: 1850 # AIR: 71 BPM
 MTP: 2040 # MIR: 72 BPM

ISIP: 1030 #
 5 min: 745 #
 10 min: 670 #
 15 min: 630 #

pad 1720# - 1800# at 68 - 72 BPM
 1.0 ppg 1800# - 68 BPM
 1.5 ppg 1890# - 71 BPM
 2.0 ppg 1900# - 70 BPM

Job Complete at: 1200 hrs. Date: 2/13/02 Start flow back:
 Total Fluid Pumped: 1119 BBLS
 Total Sand Pumped: 65,000 Total Sand on Formation: 65,000
 Total Nitrogen Pumped: NA

Notes:

Pumped 242 bbl of the pad and shut down to tighten cap on the frac valve. Extended pad an additional 100 bbls once pumping was resumed.

Signature Paul Thompson

FRACTURE TREATMENT REPORT

Operator: Pendragon Energy Partners Well Name: Cowsaround SWD #1
 Date: 13-Feb-02
 Field: Blanco Mesa Verde Location: 18/26N/12W County: San Juan State: NM
 Stimulation Company: American Energy Supervisor: Paul Thompson

Stage #: 2/2 Menefee and Cliff House

Sand on location : Design: 65,000 Weight ticket: 65,000 Size/type: 20/40 Brady

Fluid on location : No. of Tanks: 8 Strap: 11.5 Amount: 1,840 Usable: 1,520

Depth: 2008' - 2991' Total Holes: 35 PRTD: 0090' KB
 Shots per foot: 1 EHD: 0.38" CIBP

Acid: 1000 gals 15% HCl Comments:
 Balls: 70 Well broke at 1550#. Dlap acid at 15 BPM and 1600 psi.
 Pressure: 1100# - 3500# Rate: 4 - 15 BPM Good ball action to 3500#.
 Recovered 52 balls with 28 hits.

ATP: 2000 # AIR: 71 BPM
 MTP: 2200 # MIR: 75 BPM

	pad	
ISIP: 926 #	1.0 ppg	1850# at 75 BPM
5 min: 495 #	1.6 ppg	1800# - 74 BPM
10 min: 308 #	2.0 ppg	2000# - 71 BPM
15 min: 220 #		2100# - 71 BPM

Job Complete at: 1600 hrs. Date: 2/13/02 Start flow back: 1800 hrs Vacuum
 Total Fluid Pumped: 1042 BBLS
 Total Sand Pumped: 65,000 Total Sand on Formation: 65,000
 Total Nitrogen Pumped: NA

Notes:

Opened well at 1800 hrs - well was on a vacuum.

Signature Paul Thompson

ENGINEERING & PRODUCTION CORPORATION

Well Name:

Cowsaround SWD #1

Report #:

2

Location 16/26N/12W

County:

San Juan

NM

Supervisor:

Paul Thompson

Work Summary:

Rigged up Compulog. Ran GR/Neutron from 3000' to 1800'. Rigged up American Energy. Loaded hole and pressure tested to 3500 psi for 15 min. - held OK. Perforated 24 (0.42") holes at 3881, 3857, 3832, 3826, 3820, 3814, 3761, 3754, 3719, 3710, 3477, 3472, 3467, 3462, 3457, 3452, 3447, 3438, 3433, 3428, 3423, 3418, 3411, and 3406'. Perforating gun failed and some of the shots are 3' above there intended location but still within the sand zones. Will load new guns and finish perforating the first stage tomorrow AM. Set 8 frac tanks and filled with produced water. Heated tanks with MOTE.

Daily Costs:

Road & Location

Rig Costs

Equipment Rental

Logging & Perforating

Stimulation (Acid)

Testing

Cementing

Completion Fluids (2% KCl water)

Contract Services

Miscellaneous Supplies

\$260

Slick line

Other (Trucking)

Tubulars

Wellhead Equipment

Subsurface Equipment

Artificial Lift Equipment

Sucker Rods

Tanks

Bailer

Flowlines

Installation/Labor

Fittings, Valves, Etc.

Meters, Lact, Etc..

Electrical Equipment

\$260

\$4,996

Well Record

TD:		3999' KB	Run in well			
FBTD:		3986' KB	Tubing	Joints	Grade	
Casing Size		5-1/2", 15.5#	WT	Thread	Length	
Perforations			Tubing Sizer		Length	
			Sealing Nipple		Length	
			Top of tbg to GL			
DV Tool - 1862' KB			Bottom of Tubing/Production String Landed at			
SPF:			Rods	Size		
			Rods	Size		
Pulled from well			Pony subs			
Tubing			Pump			
Packer			Packer Depth			
Rods			Type			
Pump			How set			

ENGINEERING & PRODUCTION CORPORATION

Well Name:

Cowsaround SWD #1

Report #:

3

Location 16/26N/12W

County:

San Juan

State:

NM

Contractor:

Supervisor:

Paul Thompson

Work Summary:

Compulog perfed 13 more holes at 3722, 3377, 3368, 3272, 3267, 3262, 3239, 3233, 3227, 3223, 3194, and 3153 (total of 37 holes). American Energy pressure tested lines to 4500#. Formation broke at 2000 psi with water. Balled off Point Lookout/Menefee with 1000 gals of 15% HCl and 70 ball sealers. Good ball action to 3500# but did not completely ball off. Ran junk basket and retrieved 67 balls with 35 hits. Fraced PL/Menefee with 65,000# of 20/40 Brady sand at 0.5 - 2.0 ppg in 1119 bbl of slick water. Job completed at 1200 hrs. 2/13/02. ISIP = 1030#, 5 min = 745#, 10 min = 670#, 15 min = 630#. AIR = 71 BPM, MIR = 72 BPM, ATP = 1850#, MTP = 2040#. Set 5-1/2" CIBP at 3090". Pressure tested to 3500# - held OK. Perforate Menefee and Cliff House at 2991, 2986, 2964, 2958, 2941, 2929, 2906, 2702, 2696, 2690, 2684, 2676, 2322, 2306, 2298, 2290, 2284, 2274, 2254, 2244, 2207, 2174, 2168, 2162, 2144, 2136, 2077, 2064, 2056, 2048, 2040, 2032, 2024, 2016, and 2008. Total of 35 (0.38") holes. Formation broke at 1550 psi with water. Balled off with 70 ball sealers in 1000 gals of 15% HCl. Good ball action to 3500# but did not completely ball off. Ran junk basket and retrieved 52 balls with 26 hits. Fraced with 65,000# of 20/40 Brady sand at 0.5 - 2.0 ppg in 1042 bbls of slick water. Job completed at 1600 hrs. 2/13/02. ISIP = 926#, 5 min = 495#, 10 min = 308#, 15 min = 220#. AIR = 71 BPM, MIR = 75 BPM, ATP = 2000#, MTP = 2200#. All frac fluid on both jobs was produced water with 0.5 gal FR/1000 gal water, surfactant and biocide. Installed flow line and opened the well to the pit at 1800 hrs. Well was on a vacuum.

Daily Costs:

Road & Location

Rig Costs

\$3,000

\$5,900

\$49.629

Testing

Cementing

Completion Fluids (2% KCl water)

Contract Services

Miscellaneous Supplies

\$460

Slick line

Other (Trucking)

Tubulars

Wellhead Equipment

Subsurface Equipment

Artificial Lift Equipment

Sucker Rods

\$2,500

Bailed

Flowlines

Installation/Labor

Fittings, Valves, Etc.

Meters. Lact. Etc..

Electrical Equipment

\$61,489

\$66,485

Well Record

ID:	3999' KB	Run In well			
PBTD:	3986' KB	Tubing	Joints	Grade	
Casing Size:	5-1/2", 15.5#	VA	Thread	Length	
		Tubing Subs		Length	
Perforations		Seating Nipple		Length	
			Top of log to OL		
DV Tool - 1862' KB		Bottom of Tubing/Production String landed at			
SPF:		Rods	Size		
		Rods	Size		
Pulled from well		Pony subs			
Tubing		Pump			
Packer		Packer Depth			
Rode		Type			
Pump		How set			