

Submit 1 Copy To Appropriate District Office  
District I - (575) 393-6161  
1625 N. French Dr., Hobbs, NM 88240  
District II - (575) 748-1283  
811 S. First St., Artesia, NM 88210  
District III - (505) 334-6178  
1000 Rio Brazos Rd., Aztec, NM 87410  
District IV - (505) 476-3460  
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-103  
Revised July 18, 2013

WELL API NO. 30-025-37429
5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name South Vacuum
8. Well Number #221
9. OGRID Number 372000
10. Pool name or Wildcat

SUNDY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BA DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-10) FOR PROPOSALS.)	
1. Type of Well: Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/>	
2. Name of Operator SUNDOWN ENERGY, LP--- PROPOSED IF OCD APPROVES OPERATION	
3. Address of Operator 16400 Dallas Parkway#100 Dallas, Texas 75248	
4. Well Location Unit Letter <u>N</u> : <u>910</u> feet from the <u>South</u> line and <u>1650</u> feet from the <u>West</u> line Section <u>22</u> Township <u>18S</u> Range <u>35E</u> NMPM Lea County	
11. Elevation (Show whether DR, RKB, RT, GR, etc.)	

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

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK <input checked="" type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>	P AND A <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	MULTIPLE COMPL <input type="checkbox"/>	CASING/CEMENT JOB <input type="checkbox"/>	
DOWNHOLE COMMINGLE <input type="checkbox"/>			
CLOSED-LOOP SYSTEM <input type="checkbox"/>			
OTHER: <input checked="" type="checkbox"/>	RECOMPLETE as WSW	OTHER: <input type="checkbox"/>	

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

- 35' 1- RU well service Rig & E Line Unit — SPOT 25 SX Class Hcmr on Fish Wood Tag  
2- Set CIBP at 10,600' OR as Deep as Possible above tubing/ESP Fish  
3- Dump Bail to cement on top of CIBP- Run cased Hole Neutron Log  
4- Perforate Delaware Sands at APPROXIMATE DEPTH of 6400'-6500' -- to be determined from cased hole log  
5- Run tubing – swab test and evaluate for stimulation.  
6- Run ESP and utilize well for approximately 600 B/D injection water for Sundown Energy Reeves Queen WFU.

Spud Date:

Rig Release Date:

Condition of Approval: notify  
OCD Hobbs office 24 hours  
prior of running MIT Test & Chart

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

SIGNATURE Ralph Butler TITLE: Area Prod Mgr. DATE 9/1/2020

Type or print name  
For State Use Only

E-mail address:

PHONE:

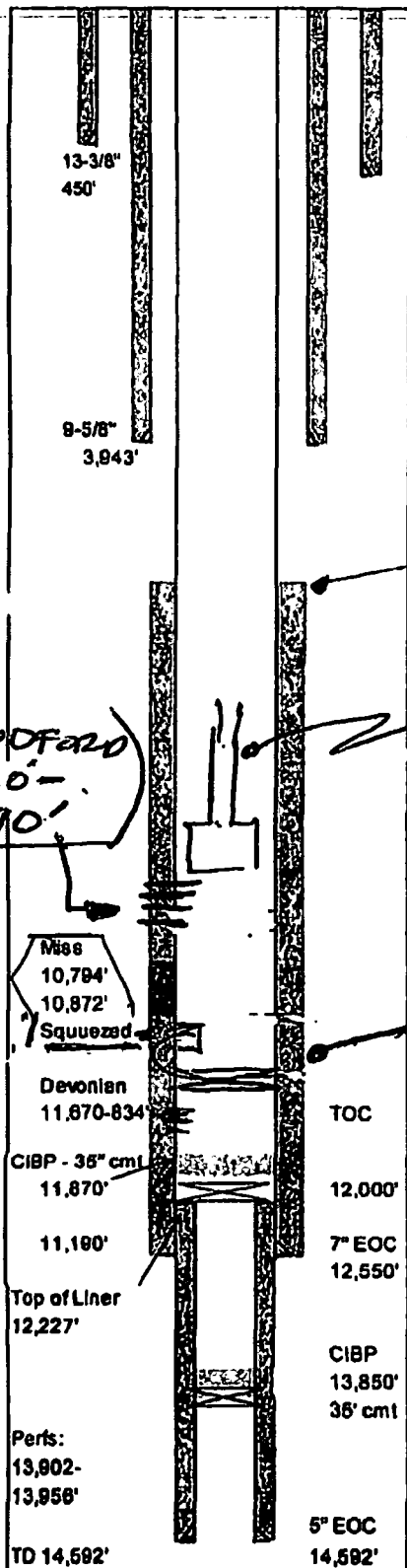
APPROVED BY:

TITLE

DATE

Conditions of Approval (if any)

CURRENT AS OF  
9/11/2020



Lease: South Vacuum Well: 22-1 API# 30-025-37429  
 Operator: PALADIN Energy Corp.  
 Field: South Vacuum County: Lea State: New Mexico  
 Section: 22 Township: 16-S Range: 35-E  
 Elev. GL: 3801' Elev. DF: Elev. KB:  
 Spudded: 9/7/2005 Completed: 11/1/2005 Plugback:

Surface Casing 13-3/8" 48# Grade  
 Set @ 416' Hole Size 17-1/2"  
 TOC surf. Sacks 630

Intermediate Casing 9-5/8" 40# Grade  
 Set @ 3931' Hole Size 12-1/4"  
 TOC Surface Sacks 1,370

Production Casing 7" 26 & 28# Grade N-80  
 Set @ 12,745' Hole Size 8-3/4"  
 TOC 5,000' Sacks 1220

Liner Record 5" 18# Grade  
 Top @ 11,855' Bottom @ 14,592'  
 Screen Hole Size 6-1/8"  
 TOC 11,855' Sacks 262

Grade/Trd.  
 Flr. Set @ EOT  
 Nipples  
 Anchors Rods

Perforation Record Mississippi 10,794-820', 10,824-838', 10,848-872'  
 McKee - 13,902-30', 13,936-44', 13,950-56'

*Handwritten:* FISH:  
 At ±10,600'  
 13 JOINTS  
 2 7/8" & ESP  
 CIBP @ 11,600' CAP w/  
 Completion 35' CMT.

Devonian Perforations - 11,870'-720', 11,740-760', 11,784-834'

*Handwritten:* Woodward Perf 11460-11510  
 5000 gal acid Frac'd w/ 595,000 gal water  
 174,250 lb 40/70/sd  
 270,000 lb 100 mesh sd.

# PROPOSED

NOT TO SCALE

Lease: South Vacuum Well: 22-1 API # 30-025-37429  
 Operator: PALADIN Energy Corp.  
 Field: South Vacuum County: Lea State: New Mexico  
 Section: 22 Township: 16-S Range: 35-E  
 Elev. GL: 3901' Elev. DF: Elev. KB:  
 Spudded: 8/7/2005 Completed: 11/1/2005 Plugback:

CIBP @  
 10,600' ±  
 ±20' CMT  
 9-5/8"  
 3,943'

(Woodford)  
 11,460' -  
 11,510'

Miss  
 10,794'  
 10,872'  
 Squeezed

Devonian  
 11,870-834'

CIBP - 35" cmt  
 11,870'

11,190'

Top of Liner  
 12,227'

Perfs:  
 13,902-  
 13,956'

TD 14,592'

TOC

12,000'

7" EOC  
 12,550'

CIBP  
 13,850'  
 35" cmt

5" EOC  
 14,592'

Surface Casing	13-3/8"	48#	Grade	
	Set @	416'	Hole Size	17-1/2"
	TOC	surf	Sacks	830
Intermediate Casing	9-5/8"	40#	Grade	
	Set @	3931'	Hole Size	12-1/4"
	TOC	Surface	Sacks	1,370
Production Casing	7"	26 & 28#	Grade	N-80
	Set @	12,745'	Hole Size	8-3/4"
	TOC	5,000'	Sacks	1220
Liner Record	(PROPOSED) 5"	18#	Grade	
	Top @	11,955'	Bottom @	14,592'
	Screen		Hole Size	6-1/8"
	TOC	11,955'	Sacks	282
	Flt Set @		Grade/Trd.	
	Nipples		EOT	
	Anchors		Rods	

Perforation Record	Mississippian	10,794-820', 10,824-838', 10,848-872'
	Mckee	13,902-30', 13,936-44', 13,950-56'

CIBP @  
 11,600' CAP w/  
 Completion 35' CMT.

Devonian Perforations - 11,870'-720', 11,740-760', 11,784-834',

Woodford Perf 11460 - 11510  
 5000 gal acid Frac'd w/ 595,000 gal water  
 174,250 lb 40/70/sd  
 270,000 lb 100 mesh sd.

PROPOSED PERFS:  
 ± 6400' - 6500' DELAWARE  
 SANDS

## Daily Completion - Workover Report

<b>Well Name:</b>	SVU 221	<b>Date:</b>	
<b>Field:</b>	POGO	<b>Safety Mtg:</b>	
<b>AFE No:</b>	0	<b>AFE Amount:</b>	\$ -
<b>Purpose:</b>	PULL ESP		
<b>Rig Contractor:</b>	Joe's Roustabout & Well Servicing	<b>Operator:</b>	Juan
<b>Present Operation:</b>	PUMP STUCK FREE POINT		
<b>Comp Days:</b>		<b>Workover Days:</b>	1
<b>Original PBTD:</b>		<b>New PBTD:</b>	
<b>Orig. Open Perfs:</b>			
<b>New Perfs:</b>			
<b>Daily Costs:</b>	\$ 4,527.00	<b>Prior Cum Cost:</b>	

### CUM COST

#### Activity:

Drove to location held 5 in safety meeting open BOP, ESP was stuck worked the stuck pump and parted L-80 tubing approx. 60" below surface. Left 60' #4 flat cable above the fish top and approx 1ft of tubing above collar. Neck down to 2" ID at the part. Fished cable to approx 52 ft TIH with overshot latched onto fish @ 60 ft from surface, changed BOP rams from ESP to reg tub rams SDFTN.

#### Expense Breakdown

Bits
BOP Rental
Cementing
Chemical - Jacam
Coil Unit
Consultant
Downhole Pump
Downhole Rentals
Drill Motor
Flowback
Forklift
Hot Oiler
Hot Shot
Kill Truck
N-UP SERVICE
PKR Service
Pumping Unit
Reverse Unit
Rods
Roustabout
Stimulation
Surface Rentals
Tbg Testing
Trucking
Tubing
Vac. Truck
Well Equip.
Wellhead
Wireline Service
WO Fluids
Workover Rig
Swab Cups
Oil Saver Rubbers
H2S Equipment
Swab Unit
Operator
Helper
Misc.
<b>DAILY TOTAL</b>

**Total Load (bbls):** \_\_\_\_\_

**Swab (hrs):** \_\_\_\_\_

# Daily Completion - Workover Report

**Well Name:** SVU 221  
**Field:** POGO  
**AFE No:** 0 **AFE Amount:** \$ -  
**Purpose:** fish stuck pump/tbg  
**Rig Contractor:** Joe's Roustabout & Well Servicing **Operator:** Juan  
**Present Operation:**  
**Comp Days:** **Workover Days:**  
**Original PBTD:** **New PBTD:**  
**Orig. Open Perfs:**  
**New Perfs:**

**Date:**  
**Safety Mtg:**  
**WI %**  
**Pusher:**  
**Well Test Date:**  
**BOPD:**  
**BWPD:**  
**MCFPD:**

**Daily Costs:** \$ 17,800.00 **Prior Cum Cost:** \$4,527.00

**Cum Cost**

**Activity:**

Drove to location held 5 min safety meeting open BOP. Rig up line scale indicator. Work pipe. Rig up Renegade E-Line. Run sinker bar spud bars. Can't get below 6383'. Run cut-off 3/4" S.R. to 6400' with 3/4". Shoulder won't pass 6383'. Put 1" tools on line. Run to 7340'. Can't get deeper. Wait on 1" free point tool. Shows 100% free @ 7300'. Run 1" split shot. Attempt to split coupling @ 7310'. Work pipe. Cut was not successful. SDFN.

**Expense Breakdown**

Bits
BOP Rental
Cementing
Chemical - Jacam
Coil Unit
Consultant
Downhole Pump
Downhole Rentals
Drill Motor
Flowback
Forklift
Hot Oilier
Hot Shot
Kill Truck
N-UP SERVICE
PKR Service
Pumping Unit
Reverse Unit
Rods
Roustabout
Stimulation
Surface Rentals
Tbg Testing
Trucking
Tubing
Vac. Truck
Well Equip.
Wellhead
Wireline Service
WO Fluids
Workover Rig
swab cups
swab rig
BRIDLE
Misc.
<b>DAILY TOTAL</b>

**Total Load (bbls):** \_\_\_\_\_

**Swab (hrs):** \_\_\_\_\_

# Daily Completion - Workover Report

<b>Well Name:</b>	<u>SVU 221</u>	<b>Date:</b>	
<b>Field:</b>	<u>POGO</u>	<b>Safety Mtg:</b>	
<b>AFE No:</b>	<u>0</u>	<b>AFE Amount:</b>	<u>\$ -</u>
<b>Purpose:</b>	<u>fish stuck pump/tbg</u>		
<b>Rig Contractor:</b>	<u>Joe's Roustabout &amp; Well Servicing</u>	<b>Operator:</b>	<u>Juan</u>
<b>Present Operation:</b>		<b>Pusher:</b>	
<b>Comp Days:</b>		<b>Workover Days:</b>	
<b>Original PBTD:</b>		<b>New PBTD:</b>	
<b>Orig. Open Perfs:</b>			
<b>New Perfs:</b>			
<b>Daily Costs:</b>	<u>\$ 29,000.00</u>	<b>Prior Cum Cost:</b>	<u>\$22,327.00</u>
		<b>Cum Cost</b>	

**Activity:**

AOL 6:30 am. TP & CP 0#. Trip in with second 1" split shot. Fire at same coupling at 7310'. Parted this time. Wait on spooler. Pull out of hole with tubing and cable. Some bent tubing. Coupling parted very close to cut. Fish top should be clean but split. SDFN. Will run 2 1/16" on 2 7/8 prod tubing Monday.

**Expense Breakdown**

Bits
BOP Rental
Cementing
Chemical - Jacam
Coil Unit
Consultant
Downhole Pump
Downhole Rentals
Drill Motor
Flowback
Forklift
Hot Oilier
Hot Shot
Kill Truck
N-UP SERVICE
PKR Service
Pumping Unit
Reverse Unit
Rentals
Roustabout
Spooler
Surface Rentals
Tbg Testing
Trucking
Tubing
Vac. Truck
Well Equip.
Wellhead
Wireline Service
WO Fluids
Workover Rig
swab cups
swab rig
BRIDLE
Misc.
<b>DAILY TOTAL</b>

<b>Total Load (bbls):</b> _____		<b>Swab (hrs):</b> _____
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# Daily Completion - Workover Report

<b>Well Name:</b>	<u>SVU 221</u>	<b>Date:</b>	
<b>Field:</b>	<u>POGO</u>	<b>Safety Mtg:</b>	
<b>AFE No:</b>	<u>0</u>	<b>AFE Amount:</b>	<u>\$ -</u>
<b>Purpose:</b>	<u>fish stuck pump/tbg</u>		
<b>Rig Contractor:</b>	<u>Joe's Roustabout &amp; Well Servicing</u>	<b>Operator:</b>	<u>Juan</u>
<b>Present Operation:</b>		<b>Pusher:</b>	
<b>Comp Days:</b>		<b>Workover Days:</b>	
<b>Original PBTD:</b>		<b>New PBTD:</b>	
<b>Orig. Open Perfs:</b>			
<b>New Perfs:</b>			
<b>Daily Costs:</b>	<u>\$ 14,685.00</u>	<b>Prior Cum Cost:</b>	<u>\$51,327.00</u>
		<b>Cum Cost</b>	

**Activity:**

A.O.L. 6:30 a.m. 5 min safety meeting. Talley and pick up 2 1/16 off trailer, with 2 3/8 o.d. Kutrite shoe. Trip in hole, dropping rabbit on all stands. Laying down badly bent joints. Tag @ 7310', lay down 16 joints. Run out of derrick back to 7300'. Shut down till a.m. RU power swivel in a.m. Attempt to get inside 2 7/8" fish to wash to pump.

**Expense Breakdown:**

Bits
BOP Rental
Cementing
Chemical - Jacam
Coil Unit
Consultant
Downhole Pump
Downhole Rentals
Drill Motor
Flowback
Forklift
Hot Oilier
Hot Shot
Kill Truck
N-UP SERVICE
PKR Service
Pipe Trailer
Reverse Unit
Rentals
Roustabout
Spooler
Surface Rentals
Tbg Testing
Trucking
Tubing -37 jts L-80 yellow
Vac. Truck
Well Equip.
Wellhead
Wireline Service
WO Fluids
Workover Rig
swab cups
swab rig
Misc.
<b>DAILY TOTAL</b>

<b>Total Load (bbls):</b> _____		<b>Swab (hrs):</b> _____
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## Daily Completion - Workover Report

Well Name:	SVU 221		
Field:	POGO		
AFE No:	0	AFE Amount:	\$ -
Purpose:	fish stuck pump/tbg		
Rig Contractor:	Joe's Roustabout & Well Servicing	Operator:	Juan
Present Operation:			
Comp Days:		Workover Days:	
Original PBTD:		New PBTD:	
Orig. Open Perfs:			
New Perfs:			
Daily Costs:	\$ 10,050.00	Prior Cum Cost:	\$66,012.00

**Date:**  
**Safety Mtg:**  
**WI %**

**Pusher:**

Well Test Date:

**BOPD:**

**BWPD:**

**MCFPD:**

### Cum Cost

### Activity:

A.O.L 6:30 a.m.. 5 min safety meeting. RU power swivel, establish circulation. Washed down (all indications are we are inside the 2 7/8" fish). Hit bridge @ 7340' +/- . Doesn't appear to be on anything. Circulated oil and gas out of well (approx 40 BO). Lay down swivel. TIH to 9250' +/- . Ran out of tubing on location. Fish must have fallen to bottom ? Tally out of hole. Pulled 60 stds. SDFN.

2/20/19 Plans are to finish tripping out of hole and lay down 2 1/16". TIH w/ spear in the morning. Sending 70 jts of 2 7/8" L-80 from Penroc's yard in a.m.

### Expense Breakdown:

Bits
BOP Rental
Cementing
Chemical - Jacam
Coil Unit
Consultant
Downhole Pump
Downhole Rentals
Drill Motor
Flowback
Forklift
Hot Oilier
Hot Shot
Kill Truck
N-UP SERVICE
PKR Service
Pipe Trailer
Reverse Unit
Rentals
Roustabout
Spooler
Surface Rentals
Tbg Testing
Trucking
Tubing -37 jts L-80 yellow
Vac. Truck
Well Equip.
Wellhead
Wireline Service
WO Fluids
Workover Rig
swab cups
swab rig
Misc.
<b>DAILY TOTAL</b>

**Total Load (bbls):** \_\_\_\_\_

**Swab (hrs):**



## Daily Completion - Workover Report

Well Name:	SVU 221		
Field:	POGO		
AFE No:	0	AFE Amount:	\$ -
Purpose:	fish stuck pump/tbg		
Rig Contractor:	Joe's Roustabout & Well Servicing	Operator:	Juan
Present Operation:			
Comp Days:		Workover Days:	
Original PBTD:		New PBTD:	
Orig. Open Perfs:			
New Perfs:			
Daily Costs:	\$ 9,800.00	Prior Cum Cost:	\$76,062.00

**Date:**  
**Safety Mtg:**  
**WI %**

**Pusher:**

Well Test Date:

**BOPD:**

**BWPD:**

**MCFPD:**

### Cum Cost

### Activity:

A.O.L 6:30 a.m. 5 min safety meeting. Continue trip out of hole. Lay down 2 1/16 tubing. Make up tubing spear, x-over, drain sub. Trip in hole on 2 7/8. Haul in 70 jts of tubing. Latch into fish @ 9762' Work to free fish. Pulling to 60K over (120,000# total). Moving a little after 2 hrs of working. SDFN. Left in tension. Will continue working fish in a.m.

### Expense Breakdown:

Bits
BOP Rental
Cementing
Chemical - Jacam
Coil Unit
Consultant
Downhole Pump
Downhole Rentals
Drill Motor
Flowback
Forklift
Hot Oilier
Hot Shot
Kill Truck
N-UP SERVICE
PKR Service
Pipe Trailer
Reverse Unit
Rentals
Roustabout
Spooler
Surface Rentals
Tbg Testing
Trucking
Tubing 2 7/8" Yellow
Vac. Truck
Well Equip.
Wellhead
Wireline Service
WO Fluids
Workover Rig
swab cups
swab rig
Misc.
<b>DAILY TOTAL</b>

**Total Load (bbls):** \_\_\_\_\_

**Swab (hrs):**

# Daily Completion - Workover Report

<b>Well Name:</b>	SVU 221	<b>Date:</b>	
<b>Field:</b>	POGO	<b>Safety Mtg:</b>	
<b>AFE No:</b>	0	<b>AFE Amount:</b>	\$ -
<b>Purpose:</b>	fish stuck pump/tbg		
<b>Rig Contractor:</b>	Joe's Roustabout & Well Servicing	<b>Operator:</b>	Juan
<b>Present Operation:</b>			
<b>Comp Days:</b>		<b>Workover Days:</b>	
<b>Original PBTD:</b>		<b>New PBTD:</b>	
<b>Orig. Open Perfs:</b>			
<b>New Perfs:</b>			
<b>Daily Costs:</b>	\$ 7,100.00	<b>Prior Cum Cost:</b>	\$85,862.00
		<b>Cum Cost</b>	

**Activity:**

A.O.L 6:30 a.m. 5 min safety meeting. Continue working fish. Pull 230' up hole in 5 hrs. Hung up. Made no more hole next 5 hrs. SDFN. Left in tension. Will see in morning if no change, will attempt to release spear and call E-Line truck.

**Expense Breakdown:**

Bits
BOP Rental
Cementing
Chemical - Jacam
Coil Unit
Consultant
Downhole Pump
Downhole Rentals
Drill Motor
Flowback
Forklift
Hot Oilier
Hot Shot
Kill Truck
N-UP SERVICE
PKR Service
Pipe Trailer
Reverse Unit
Rentals
Roustabout
Spooler
Surface Rentals
Tbg Testing
Trucking
Tubing 2 7/8" Yellow
Vac. Truck
Well Equip.
Wellhead
Wireline Service
WO Fluids
Workover Rig
swab cups
swab rig
Misc.
<b>DAILY TOTAL</b>

<b>Total Load (bbls):</b> _____		<b>Swab (hrs):</b> _____
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