

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

Form C-103
 Revised July 18, 2013

OIL CONSERVATION DIVISION
 1220 South St. Francis Dr.
 Santa Fe, NM 87505

WELL API NO. 30-025-23472
5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name Crossroads Siluro Devonian Unit
8. Well Number #105
9. OGRID Number 21355
10. Pool name or Wildcat Crossroads; Siluro Devonian

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 Well ☒ Gas Well ☐ Other ☐

2. Name of Operator
SOUTHWEST ROYALTIES, INC.

3. Address of Operator
P.O. BOX 53570; MIDLAND, TEXAS 79710

4. Well Location
 Unit Letter **B** : **475** feet from the **NORTH** line and **1726** feet from the **EAST** line
 Section **34** Township **09S** Range **36E** NMPM **LEA** County

11. Elevation (Show whether DR, RKB, RT, GR, etc.)
4,035' GL

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

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ **PLUG AND ABANDON** ☒
 TEMPORARILY ABANDON ☐ CHANGE PLANS ☐
 PULL OR ALTER CASING ☐ MULTIPLE COMPL ☐
 DOWNHOLE COMMINGLE ☐
 CLOSED-LOOP SYSTEM ☐ OTHER: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐
 COMMENCE DRILLING OPNS. ☐ P AND A ☐
 CASING/CEMENT JOB ☐
 OTHER: ☐

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.

NOTICE OF INTENT TO PLUG AND ABANDON – 24 HRS NOTICE

POH 2-3/8" tbg, Set CIBP @ 12075' w/ 35' Class C cmt, WOC 4 hrs & tag, Test to 500 psi. Circ hole with 10# gelled brine. CMT Plug #1 @ 8200' – Perf and Squeeze 35 sxs Class C cmt, WOC 4 hrs & tag, CMT Plug #2 @ 7700' – Perf and Squeeze 35 sxs Class C cmt, WOC 4 hrs & tag, CMT Plug #3 @ 4900' – Perf and Squeeze 35 sxs Class C cmt, WOC 4 hrs & tag, CMT Plug #4 @ 2800' – Perf and Squeeze 35 sxs Class C cmt, WOC 4 hrs & tag, Surface Plug @ 400' – Perf and Circulate Class C cmt to Surface.

No earthen pit, Open/Steel pit will be used, Contents disposed of at approved disposal site, remove wellhead, Install below ground dry hole maker

**** Location Remediation to Follow****

**SEE ATTACHED CONDITIONS
 OF APPROVAL**

LPC Area Below ground marker send pics before backfilling hole

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

SIGNATURE Lindsay Livesay TITLE REGULATORY ANALYST DATE 11/19/2021

Type or print name LINDSAY LIVESAY E-mail address: llivesay@swrpermian.com PHONE: (432) 207-3054

For State Use Only

APPROVED BY: Kerry Fortner TITLE Compliance Officer A DATE 11/22/21

Conditions of Approval (if any) 200

Wellbore Schematic

Printed: 11/22/2021

Page 1

CSDU # 105		Well ID: 326322-105				API # 30-025-23472			
CSDU # 105, 11/22/2021		475 FNL & 1726 FEL			GL Elev:	4,035.00	KOP:		
		Section 34, Township 9S, Range 36E			EOC:				
		County, State: Lea, NM			Fill Depth:				
		Aux ID:			PBTD:				
		'KB' correction: ; All Depths Corr To:			TD:	12,177.00			
					BOP:				
<div>0</div> <div>1,000</div> <div>2,000</div> <div>3,000</div> <div>4,000</div> <div>5,000</div> <div>6,000</div> <div>7,000</div> <div>8,000</div> <div>9,000</div> <div>10,000</div> <div>11,000</div> <div>12,000</div> <div>13,000</div> <div>(Measured Depth)</div>		Hole Size							
		Diameter	Top At	Btm At	Date Drilled				
		15.0000	0.00	369.00	4/5/1970				
		11.0000	369.00	5,000.00	4/15/1970				
		7.8750	5,000.00	12,145.00	5/30/1970				
		7.8750	12,145.00	12,177.00	5/30/1970				
		Surface Casing							
		Date Ran: 4/6/1970							
		Description	#	Diameter	Weight	Grade	Length	Top At	Btm At
		Casing	12	11.7500	42.00	H40	369.00	0.00	369.00
Intermediate Casing									
Date Ran: 4/17/1970									
Description	#	Diameter	Weight	Grade	Length	Top At	Btm At		
Casing	157	8.6250	32.00	H40	5,000.00	0.00	5,000.00		
K-55, N-80									
Production Liner									
Date Ran: 6/30/1970									
Description	#	Diameter	Weight	Grade	Length	Top At	Btm At		
Set Below GL					4,748.00				
Liner Hanger		5.5000	17.00		7,397.00	4,748.00	12,145.00		
Cement									
Top At	Btm At	I D	O D	TOC Per	# - Type	# Sx	Class	Wt.	
0.00	369.00	11.750	15.000	Circ	10 - Lead	350	C		
Lead: 1% CaCl.									
0.00	5,000.00	8.625	11.000	Circ	20 - Lead	920	TLW		
					21 - Tail	200	C		
Lead: 5# gilsonite & 4% gel/sx F/B 200sx Cl C w/ 10# slt/sx.; Tail: w/ 10# salt/sx									
4,748.00	12,145.00	5.500	7.875	Circ	30 - Lead	450	TLW		
					31 - Tail	400	C		
Liner; Lead: w/ 5# gilsonite/sx									
Zone and Perfs									
Comments / Completion Summary									
12125-12145 Acdzd w/ 1000 gals 15% NE acd. Re-acdzd w/ 2500 gals 20% NE acd & flsh w/ 2500 gals trt'd wtr. Acdzd open hole sect. w/ 1000 gals 15% Ne acd.									
Perforations									
Top	Bottom	Formation		Status	Opened	Closed	# / Ft	Ttl #	
12,125.00	12,145.00			PA	6/17/1970				
Tubing									
Date Ran: 11/19/2021									
Description	#	Diameter	Weight	Grade	Length	Top At	Btm At		
Mud Anchor	1	2.8750			16.00	0.00	16.00		
Tubing	138	2.8750			4,347.00	16.00	4,363.00		
Other	1	2.8750			4.00	4,363.00	4,367.00		
Marker Sub									
Tubing	3	2.8750			94.50	4,367.00	4,461.50		
Tubing Anchor	1	2.8750			8.63	4,461.50	4,470.13		
Tubing	3	2.8750			94.50	4,470.13	4,564.63		
Pump Barrel	1	2.8750			24.00	4,564.63	4,588.63		
Perf Nipple	1	2.8750			4.10	4,588.63	4,592.73		

Wellbore Schematic

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Page 2

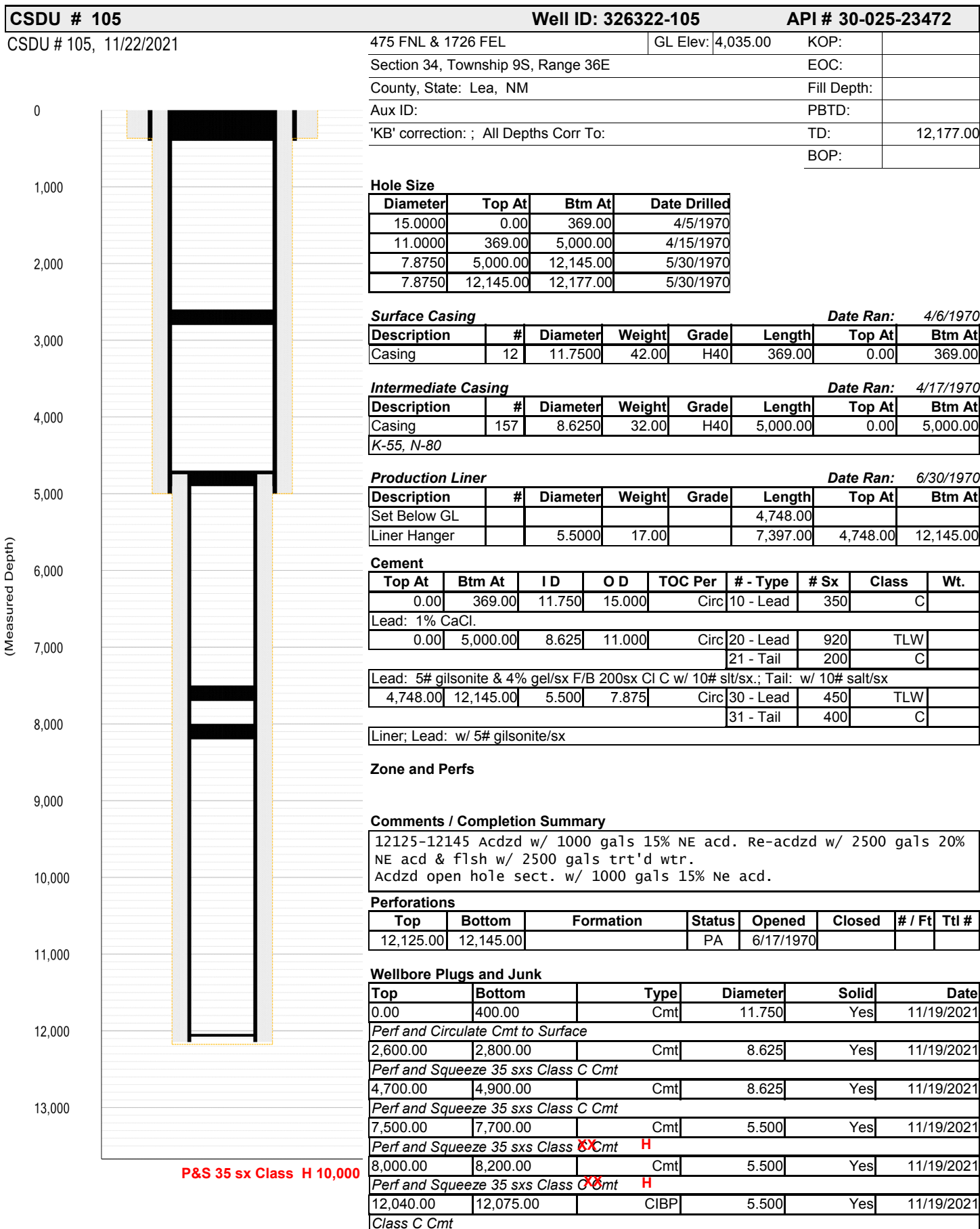
CSDU # 105**Well ID: 326322-105****API # 30-025-23472****Rods****Date Ran: 11/19/2021**

Description	#	Diameter	Rod Box	Grade	Length	Top At	Btm At
Pony Rods	1	0.8750			7.00	0.00	7.00
FG							
Rods	52	0.7500			1,300.00	7.00	1,307.00
FG							
Rods	30	1.0000			750.00	1,307.00	2,057.00
Rod Guide	20	1.0000			620.00	2,057.00	2,677.00
Polish Rod	1	1.5000			26.00	2,677.00	2,703.00

Wellbore Schematic

Printed: 11/22/2021

Page 1



P&S 35 sx Class H 10,000

**CONDITIONS OF APPROVAL
FOR PLUGGING AND ABANDONMENT
OCD - Southern District**

The following is a guide or checklist in preparation of a plugging program, this is not all inclusive and care must be exercised in establishing special plugging programs in unique and unusual cases, Notify NMOCD District Office I (Hobbs) at **(575)-263-6633** at least 24 hours before beginning work. After MIRU rig will remain on well until it is plugged to surface. OCD is to be notified before rig down.

Company representative will be on location during plugging procedures.

1. A notice of intent to plug and abandon a wellbore is required to be approved before plugging operations are conducted. A cement evaluation tool is required in order to ensure isolation of producing formations, protection of water and correlative rights. A cement bond log or other accepted cement evaluation tool is to be provided to the division for evaluation if one has not been previously run or if the well did not have cement circulated to surface during the original casing cementing job or subsequent cementing jobs. Insure all bradenheads have been exposed, identified and valves are operational prior to rig up.
2. Closed loop system is to be used for entire plugging operation. Upon completion, contents of steel pits are to be hauled to a permitted disposal location.
3. Trucking companies being used to haul oilfield waste fluids to a disposal - commercial or private- shall have an approved NMOCD C-133 permit. A copy of this permit shall be available in each truck used to haul waste products. It is the responsibility of the operator as well as the contractor, to verify that this permit is in place prior to performing work. Drivers shall be able to produce a copy upon request of an NMOCD Field inspector.
4. Filing a subsequent C-103 will serve as notification that the well has been plugged.
5. A final C-103 shall be filed (and a site inspection by NMOCD Inspector to determine if the location is satisfactorily cleaned, all equipment, electric poles and trash has been removed to Meet NMOCD standards) before bonding can be released.
6. If work has not begun within 1 Year of the approval of this procedure, an extension request must be file stating the reason the well has not been plugged.
7. Squeeze pressures are not to exceed 500 psi, unless approval is given by NMOCD.
8. Produced water will not be used during any part of the plugging operation.
9. Mud laden fluids must be placed between all cement plugs mixed at 25 sacks per 100 bbls of water.
10. All cement plugs will be a minimum of 100' in length or a minimum of 25 sacks of cement, whichever is greater. 50' of calculated cement excess required for inside casing plugs and 100% calculated cement excess required on outside casing plugs.
11. Class 'C' cement will be used above 7500 feet.
12. Class 'H' cement will be used below 7500 feet.
13. A cement plug is required to be set 50' above and 50' below, casing stubs, DV tools, attempted casing cut offs, cement tops outside casing, salt sections and anywhere the casing is perforated, these plugs require a 4 hour WOC and then will be tagged
14. All Casing Shoes Will Be Perforated 50' below shoe depth and Attempted to be Squeezed, cement needs to be 50' above and 50' Below Casing Shoe inside the Production Casing.
16. When setting the top out cement plug in production, intermediate and surface casing, wellbores should remain full at least 30 minutes after plugs are set
17. A CIBP is to be set within 100' of production perforations, capped with 100' of cement, WOC 4 hours and tag.
18. A CIBP with 35' of cement may be used in lieu of the 100' plug if set with a bailer. This plug will be placed within 100' of the top perforation, (WOC 4 hrs and tag).

19. No more than 3000' is allowed between cement plugs in cased hole and 2000' in open hole.
20. Some of the Formations to be isolated with cement plugs are: These plugs to be set to isolate formation tops
- A) Fusselman
 - B) Devonian
 - C) Morrow
 - D) Wolfcamp
 - E) Bone Springs
 - F) Delaware
 - G) Any salt sections
 - H) Abo
 - I) Glorieta
 - J) Yates.
 - K) Potash---(In the R-111-P Area (Potash Mine Area),
A solid cement plug must be set across the salt section. Fluid used to mix the cement shall be saturated with the salts that are common to the section penetrated and in suitable proportions, not more than 3% calcium chloride (by weight of cement) will be considered the desired mixture whenever possible, WOC 4 hours and tag, this plug will be 50' below the bottom and 50' above the top of the Formation.
21. If cement does not exist behind casing strings at recommended formation depths, the casing can be cut and pulled with plugs set at recommended depths. If casing is not pulled, perforations will be shot and cement squeezed behind casing, WOC and tagged. These plugs will be set 50' below formation bottom to 50' above formation top inside the casing.

DRY HOLE MARKER REQUIREMENTS

The operator shall mark the exact location of the plugged and abandoned well with a steel marker not less than four inches in diameter, 3' below ground level with a plate of at least ¼" welded to the top of the casing and the dry hole marker welded on the plate with the following information welded on the dry hole marker:

1. Operator name
2. Lease and Well Number
3. API Number
4. Unit letter
5. Quarter Section (feet from the North, South, East or West)
6. Section, Township and Range
7. Plugging Date
8. County

SPECIAL CASES -----AGRICULTURE OR PRARIE CHICKEN BREEDING AREAS

In these areas, a below ground marker is required with all pertinent information mentioned above on a plate, set 3' below ground level, a picture of the plate will be supplied to NMOCD for record, the exact location of the marker (longitude and latitude by GPS) will be provided to NMOCD (We typically require a current survey to verify the GPS)

SITE REMEDIATION DUE WITHIN ONE YEAR OF WELL PLUGGING COMPLETION

Wellbore Schematic

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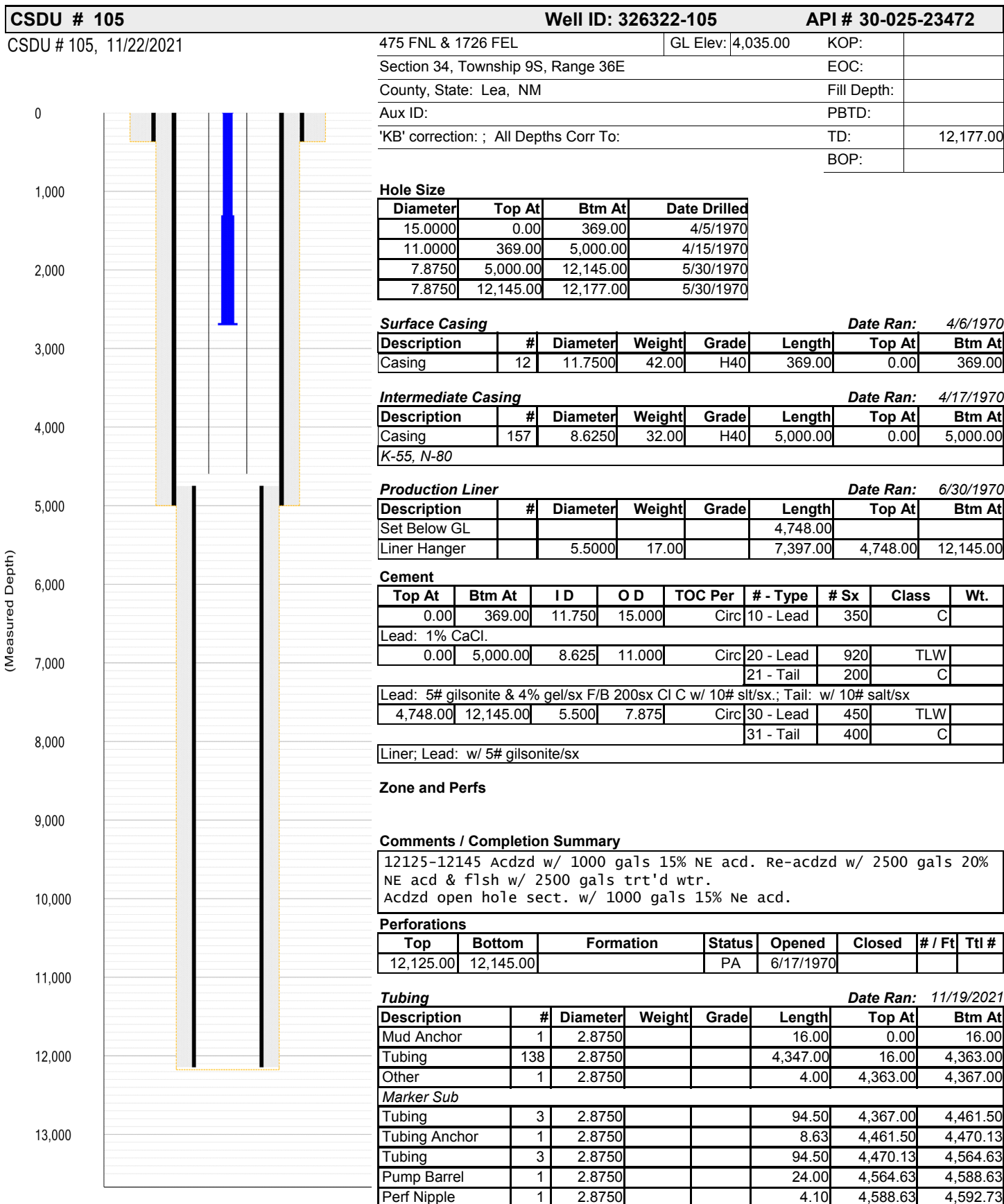
Page 1

CSDU # 105		Well ID: 326322-105		API # 30-025-23472	
CSDU # 105, 11/22/2021		475 FNL & 1726 FEL	GL Elev: 4,035.00	KOP:	
		Section 34, Township 9S, Range 36E		EOC:	
		County, State: Lea, NM		Fill Depth:	
		Aux ID:		PBTD:	
		'KB' correction: ; All Depths Corr To:		TD:	12,177.00
				BOP:	
		Hole Size			
		Diameter	Top At	Btm At	Date Drilled
		15.0000	0.00	369.00	4/5/1970
		11.0000	369.00	5,000.00	4/15/1970
		7.8750	5,000.00	12,145.00	5/30/1970
		7.8750	12,145.00	12,177.00	5/30/1970
		Surface Casing			
					Date Ran: 4/6/1970
		Description	#	Diameter	Weight
		Casing	12	11.7500	42.00
				Grade	Length
				H40	369.00
				Top At	Btm At
				0.00	369.00
		Intermediate Casing			
					Date Ran: 4/17/1970
		Description	#	Diameter	Weight
		Casing	157	8.6250	32.00
				Grade	Length
				H40	5,000.00
				Top At	Btm At
				0.00	5,000.00
		K-55, N-80			
		Production Liner			
					Date Ran: 6/30/1970
		Description	#	Diameter	Weight
		Set Below GL			4,748.00
		Liner Hanger		5.5000	17.00
				Grade	Length
					7,397.00
				Top At	Btm At
				4,748.00	12,145.00
		Cement			
		Top At	Btm At	I D	O D
		0.00	369.00	11.750	15.000
				TOC Per	# - Type
				Circ	10 - Lead
					# Sx
					350
				Class	Wt.
				C	
		Lead: 1% CaCl.			
		0.00	5,000.00	8.625	11.000
				Circ	20 - Lead
					920
					TLW
				21 - Tail	200
					C
		Lead: 5# gilsonite & 4% gel/sx F/B 200sx Cl C w/ 10# slt/sx.; Tail: w/ 10# salt/sx			
		4,748.00	12,145.00	5.500	7.875
				Circ	30 - Lead
					450
					TLW
				31 - Tail	400
					C
		Liner; Lead: w/ 5# gilsonite/sx			
		Zone and Perfs			
		Comments / Completion Summary			
		12125-12145 Acdzd w/ 1000 gals 15% NE acd. Re-acdzd w/ 2500 gals 20% NE acd & flsh w/ 2500 gals trt'd wtr. Acdzd open hole sect. w/ 1000 gals 15% Ne acd.			
		Perforations			
		Top	Bottom	Formation	Status
		12,125.00	12,145.00		PA
				Opened	Closed
				6/17/1970	
				# / Ft	Ttl #
		Wellbore Plugs and Junk			
		Top	Bottom	Type	Diameter
		0.00	400.00	Cmt	11.750
				Solid	Date
				Yes	11/19/2021
		Perf and Circulate Cmt to Surface			
		2,600.00	2,800.00	Cmt	8.625
				Yes	11/19/2021
		Perf and Squeeze 35 sxs Class C Cmt			
		4,700.00	4,900.00	Cmt	8.625
				Yes	11/19/2021
		Perf and Squeeze 35 sxs Class C Cmt			
		7,500.00	7,700.00	Cmt	5.500
				Yes	11/19/2021
		Perf and Squeeze 35 sxs Class C Cmt			
		8,000.00	8,200.00	Cmt	5.500
				Yes	11/19/2021
		Perf and Squeeze 35 sxs Class C Cmt			
		12,040.00	12,075.00	CIBP	5.500
				Yes	11/19/2021
		Class C Cmt			

Wellbore Schematic

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Page 1



Wellbore Schematic

Printed: 11/22/2021

Page 2

CSDU # 105**Well ID: 326322-105****API # 30-025-23472****Rods****Date Ran: 11/19/2021**

Description	#	Diameter	Rod Box	Grade	Length	Top At	Btm At
Pony Rods	1	0.8750			7.00	0.00	7.00
FG							
Rods	52	0.7500			1,300.00	7.00	1,307.00
FG							
Rods	30	1.0000			750.00	1,307.00	2,057.00
Rod Guide	20	1.0000			620.00	2,057.00	2,677.00
Polish Rod	1	1.5000			26.00	2,677.00	2,703.00

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Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
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Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 62910

CONDITIONS

Operator: SOUTHWEST ROYALTIES INC P O BOX 53570 Midland, TX 79710	OGRID: 21355
	Action Number: 62910
	Action Type: [C-103] NOI Plug & Abandon (C-103F)

CONDITIONS

Created By	Condition	Condition Date
kfortner	See attached conditions of approval note changes to procedure	11/22/2021