Sundry Print Repor

U.S. Department of the Interior BUREAU OF LAND MANAGEMENT

Well Name: TODD 13F FEDERAL Well Location: T23S / R31E / SEC 13 / County or Parish/State: EDDY /

SENW /

Well Number: 27 Type of Well: OIL WELL **Allottee or Tribe Name:**

Lease Number: NMNM0404441 **Unit or CA Name: Unit or CA Number:**

US Well Number: 3001531879 Well Status: Oil Well Shut In **Operator:** HARVARD

PETROLEUM COMPANY LLC

Accepted for record –NMOCD gc11/2/2023

Digitally signed by LONG VO LONG VO Date: 2023.06.21 09:16:39 -05'00'

Notice of Intent

Sundry ID: 2728520

Type of Submission: Notice of Intent Type of Action: Plug and Abandonment

Date Sundry Submitted: 05/01/2023 **Time Sundry Submitted: 12:45**

Date proposed operation will begin: 05/01/2023

Procedure Description: Harvard is planning on performing P&A procedure. Please see attachment.

Surface Disturbance

Is any additional surface disturbance proposed?: No

Approval Subject to

General Requirements and

Special Stipulations

Attached

NOI Attachments

Procedure Description

Todd_13F_27_PnA_filing_20230501124533.pdf

Received by OCD: 11/1/2023 3:37:53 PM
Well Name: TODD 13F FEDERAL Well Loc

Well Location: T23S / R31E / SEC 13 /

SENW /

County or Parish/State: EDDY? of

Zip:

Well Number: 27

Type of Well: OIL WELL

Allottee or Tribe Name:

Lease Number: NMNM0404441

Unit or CA Name:

Unit or CA Number:

US Well Number: 3001531879

Well Status: Oil Well Shut In

Operator: HARVARD PETROLEUM COMPANY LLC

Operator

I certify that the foregoing is true and correct. Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction. Electronic submission of Sundry Notices through this system satisfies regulations requiring a

Operator Electronic Signature: RONI KIDD Signed on: MAY 01, 2023 12:45 PM

Name: HARVARD PETROLEUM COMPANY LLC

Title: Business Manager

Street Address: PO BOX 936

City: ROSWELL State: NM

Phone: (575) 390-2069

Email address: RKIDD@HPCNM.COM

Field

Representative Name:

Street Address:

City: State:

Phone:

Email address:

Page 2 of 2

FORM APPROVED OMB

(June 2019) DEPARTMENT OF THE INTERIOR							. 1004-0137 Expires: December 31, 2024		
		EAU OF LAND MAN				5 Leace Serial No.	I 18848		
		OTICES AND REPO				6. If Indian, Allottee or			
		orm for proposals t Jse Form 3160-3 (A							
		TRIPLICATE - Other instru				7. If Unit of CA/Agreer	nent, Name and/or No.		
1. Type of Well			7-3						
✓ Oil Well	Gas W					8. Well Name and No. TODD 13 F Federal #27			
2. Name of Operator Harva	rd Petrole	um Company				9. API Well No. 30-015	5-31879		
3a. Address PO Box 936,				(include area cod		10. Field and Pool or Exploratory Area			
			(575) 623-158	81		Ingle Wells Delaware			
4. Location of Well (Footage						11. Country or Parish, State			
1980 FNL & 1930 FEL S	Section 13,	T23S, R31E				Lea, New Mexico			
	12. CHE	CK THE APPROPRIATE B	OX(ES) TO INI	DICATE NATUR	E OF NOTI	CE, REPORT OR OTH	ER DATA		
TYPE OF SUBMISS	ION			TY	PE OF AC	ΠΟΝ			
✓ Notice of Intent		Acidize	Deep	en	Prod	uction (Start/Resume)	Water Shut-Off		
Troube of finem		Alter Casing	Hydr	aulic Fracturing	Recla	amation	Well Integrity		
Subsequent Report		Casing Repair	New New	Construction	Reco	mplete	Other		
		Change Plans		and Abandon		oorarily Abandon			
Final Abandonment N	-	Convert to Injection				r Disposal	k and approximate duration thereof. If		
MIRU Pulling Unit. F Spot 25 sx Class H (Set CIBP @ 7414' ar Load hole with plugg Spot 264 sx class C (Perf and squeeze 45 Surface plug, Verify a After plugging opera installed. The location	roposes to POH w/ roc 20 8420'; 84 do cap with ing mud at 20 4545'; 44 6 sx class at surface a strong the con will ther	420' to 8236'. WOC and Tay a 35' bailed on top of CIBP and test casing to 500 psi. 545' to 1936'. WOC and tay C @ 1936'; 1936' to surfac cross all casing.	g. P. Leak Test CIE g - 8 5/8" casin ce. Verify at sur ow ground leve ated to BLM sta	g shoe, <mark>Delaward</mark> face - 8 5/8" To l, a steel plate w	p of Salt ar	nd 13 3/8* casing shoe			
14. I hereby certify that the f	oregoing is	true and correct. Name (Pr.	inted/Typed)			W10.15 W30.15			
Phelps White		×-		Consultar Title	nt				
Signature			Date 04/28/2023						
h man		THE SPACE	FOR FED	ERAL OR ST	TATE OF	ICE USE	W. W		
Approved by	111/1/200			7			2011		
				Title		D	ate		
Conditions of approval, if ar certify that the applicant holywhich would entitle the appli	ds legal or e	equitable title to those rights							

Title 18 U.S.C Section 1001 and Title 43 U.S.C Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

BUREAU OF LAND MANAGEMENT Carlsbad Field Office 620 East Greene Street Carlsbad, New Mexico 88220 575-234-5972

Permanent Abandonment of Federal Wells Conditions of Approval (LPC Habitat)

Failure to comply with the following Conditions of Approval may result in a Notice of Incidents of Noncompliance (INC) in accordance with 43 CFR 3163.1.

1. Plugging operations shall commence within <u>ninety (90)</u> days from the approval date of this Notice of Intent to Abandon.

If you are unable to plug the well by the 90th day provide this office, prior to the 90th day, with the reason for not meeting the deadline and a date when we can expect the well to be plugged. Failure to do so will result in enforcement action.

The rig used for the plugging procedure cannot be released and moved off without the prior approval of the authorized officer. Failure to do so may result in enforcement action.

- 2. <u>Notification:</u> Contact the appropriate BLM office at least 24 hours prior to the commencing of any plugging operations. For wells in Chaves and Roosevelt County, call 575-627-0272; Eddy County, call 575-361-2822; Lea County, call 575-689-5981.
- 3. <u>Blowout Preventers</u>: A blowout preventer (BOP), as appropriate, shall be installed before commencing any plugging operation. The BOP must be installed and maintained as per API and manufacturer recommendations. The minimum BOP requirement is a 2M system for a well not deeper than 9,090 feet; a 3M system for a well not deeper than 13,636 feet; and a 5M system for a well not deeper than 22,727 feet.
- 4. <u>Mud Requirement:</u> Mud shall be placed between all plugs. Minimum consistency of plugging mud shall be obtained by mixing at the rate of 25 sacks (50 pounds each) of gel per 100 barrels of **brine** water. Minimum nine (9) pounds per gallon.
- 5. <u>Cement Requirement</u>: Sufficient cement shall be used to bring any required plug to the specified depth and length. Any given cement volumes on the proposed plugging procedure are merely estimates and are not final. Unless specific approval is received, no plug except the surface plug shall be less than 25 sacks of cement. Any plug that requires a tag will have a minimum WOC time of 4 hours.

In lieu of a cement plug across perforations in a cased hole (not for any other plugs), a bridge plug set within 50 feet to 100 feet above the perforations shall be capped with 25 sacks of cement. If a bailer is used to cap this plug, 35 feet of cement shall be sufficient. **Before pumping or bailing cement on top of CIBP, tag will be required to verify depth. Based on depth, a tag of the cement may be deemed necessary.**

Unless otherwise specified in the approved procedure, the cement plug shall consist of either Neat Class "C", for up to 7,500 feet of depth or Neat Class "H", for deeper than 7,500 feet plugs.

6. Below Ground Level Cap (Lesser Prairie-Chicken Habitat): All casing shall be cut-off at the base of the cellar or 3 feet below final restored ground level (whichever is deeper). The BLM is to be notified a minimum of 4 hours prior to the wellhead being cut off to verify that cement is to surface in the casing and all annuluses. Wellhead cut off shall commence within ten (10) calendar days of the well being plugged. If the cut off cannot be done by the 10th day, the BLM is to be contacted with justification to receive an extension for completing the cut off. Upon the plugging and subsequent abandonment of wells that are located in lesser prairie-chicken habitat, the casings shall be cut-off at the base of the cellar or 3 feet below final restored ground level (whichever is deeper). The well bore shall then be covered with a metal plate at least ¼ inch thick and welded in place. A weep hole shall be left in the plate and/or casing.

NMOCD also requires the operator to notify NMOCD when this type of dry hole marker is used. This can be done on the subsequent report of abandonment which is submitted to the BLM after the well is plugged. State that a below ground cap was installed as required in the COA's from the BLM.

- 7. <u>Subsequent Plugging Reporting</u>: Within 30 days after plugging work is completed, file one original and three copies of the Subsequent Report of Abandonment, Form 3160-5 to BLM. The report should give in detail the manner in which the plugging work was carried out, the extent (by depths) of cement plugs placed, and the size and location (by depths) of casing left in the well. **Show date well was plugged.**
- 8. <u>Trash:</u> All trash, junk and other waste material shall be contained in trash cages or bins to prevent scattering and will be removed and deposited in an approved sanitary landfill. Burial on site is not permitted.

Following the submission and approval of the Subsequent Report of Abandonment, surface restoration will be required. See attached reclamation objectives.

Timing Limitation Stipulation/ Condition of Approval for Lesser Prairie-Chicken:

From March 1st through June 15th annually, abandonment activities will be allowed except between the hours from 3:00 am and 9:00 am. Normal vehicle use on existing roads will not be restricted



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Carlsbad Field Office 620 E. Greene St. Carlsbad, New Mexico 88220-6292 www.blm.gov/nm



In Reply Refer To: 1310

Reclamation Objectives and Procedures

Reclamation Objective: Oil and gas development is one of many uses of the public lands and resources. While development may have a short- or long-term effect on the land, successful reclamation can ensure the effect is not permanent. During the life of the development, all disturbed areas not needed for active support of production operations should undergo "interim" reclamation in order to minimize the environmental impacts of development on other resources and uses. At final abandonment, well locations, production facilities, and access roads must undergo "final" reclamation so that the character and productivity of the land and water are restored.

The long-term objective of final reclamation is to set the course for eventual ecosystem restoration, including the restoration of the natural vegetation community, hydrology, and wildlife habitats. In most cases this means returning the land to a condition approximating or equal to that which existed prior to the disturbance. The final goal of reclamation is to restore the character of the land and water to its predisturbance condition. The operator is generally not responsible for achieving full ecological restoration of the site. Instead, the operator must achieve the short-term stability, visual, hydrological, and productivity objectives of the surface management agency and take steps necessary to ensure that long-term objectives will be reached through natural processes.

To achieve these objectives, remove any/all contaminants, scrap/trash, equipment, pipelines and powerlines (Contact service companies, allowing plenty of time to have the risers and power lines and poles removed prior to reclamation, don't wait till the last day and try to get them to remove infrastructure). Strip and remove caliche, contour the location to blend with the surrounding landscape, re-distribute the native soils, provide erosion control as needed, rip (across the slope and seed as specified in the original APD COA. This will apply to well pads, facilities, and access roads. Barricade access road at the starting point. If reserve pits have not reclaimed due to salts or other contaminants, submit a plan for approval, as to how you propose to provide adequate restoration of the pit area.

- 1. The Application for Permit to Drill or Reenter (APD, Form 3160-3), Surface Use Plan of Operations must include adequate measures for stabilization and reclamation of disturbed lands. Oil and Gas operators must plan for reclamation, both interim and final, up front in the APD process as per Onshore Oil and Gas Order No. 1.
- 2. For wells and/or access roads not having an approved plan, or an inadequate plan for surface reclamation (either interim or final reclamation), the operator must submit a proposal describing the procedures for reclamation. For interim reclamation, the appropriate time for submittal would be when filing the Well Completion or Recompletion Report and Log (Form 3160-4). For final reclamation, the appropriate time for submittal would be when filing the Notice of Intent, or the Subsequent Report of Abandonment, Sundry Notices and Reports on Wells (Form 3160-5). Interim reclamation is to be completed within 6 months of well completion, and final reclamation is to be completed within 6 months of well abandonment.
- 3. The operator must file a Subsequent Report Plug and Abandonment (Form 3160-5) following the plugging of a well.
- 4. Previous instruction had you waiting for a BLM specialist to inspect the location and provide you with reclamation requirements. If you have an approved Surface Use Plan of Operation and/or an approved Sundry Notice, you are free to proceed with reclamation as per approved APD. If you

have issues or concerns, contact a BLM specialist to assist you. It would be in your interest to have a BLM specialist look at the location and access road prior to the removal of reclamation equipment to ensure that it meets BLM objectives. Upon conclusion submit a Form 3160-5, Subsequent Report of Reclamation. This will prompt a specialist to inspect the location to verify work was completed as per approved plans.

- 5. The approved Subsequent Report of Reclamation will be your notice that the native soils, contour and seedbed have been reestablished. If the BLM objectives have not been met the operator will be notified and corrective actions may be required.
- 6. It is the responsibility of the operator to monitor these locations and/or access roads until such time as the operator feels that the BLM objective has been met. If after two growing seasons the location and/or access roads are not showing the potential for successful revegetation, additional actions may be needed. When you feel the BLM objectives have been met submit a Final Abandonment Notice (FAN), Form 3160-5, stating that all reclamation requirements have been achieved and the location and/or access road is ready for a final abandonment inspection.
- 7. At this time the BLM specialist will inspect the location and/or access road. If the native soils and contour have been restored, and the revegetation is successful, the FAN will be approved, releasing the operator of any further liability of the location and/or access road. If the location and/or access road have not achieved the objective, you will be notified as to additional work needed or additional time being needed to achieve the objective.

If there are any questions, please feel free to contact any of the following specialists:

Jim Amos Supervisory Petroleum Engineering Tech/Environmental Protection Specialist 575-234-5909 (Office), 575-361-2648 (Cell)

Arthur Arias Environmental Protection Specialist 575-234-6230

Crisha Morgan Environmental Protection Specialist 575-234-5987

Jose Martinez-Colon Environmental Protection Specialist 575-234-5951

Mark Mattozzi Environmental Protection Specialist 575-234-5713

Robert Duenas Environmental Protection Specialist 575-234-2229 Sundry ID 2728520

Sundry ID	2728520						
Plug Type	Тор	Bottom	Length	Tag	Sacks	Cement Class	Notes
Surface Plug	0.00	100.00	100.00	Tag/Verify			
Shoe Plug	811.30	920.00	108.70	Tag/Verify			
Top of Salt @ 1169	1107.31	1219.00	111.69	Tag/Verify			
Base of Salt @ 4243	4150.57	4293.00	142.43	Tag/Verify	456.00	С	Perforate and squeeze from 1936' to surface. (In 196 sxs/Out 260 sxs) Verify at surface.
Delaware @ 4478	4383.22	4528.00	144.78	If solid base no need to Tag (CIBP present and/or Mechanic al Integrity Test), If Perf & Sqz then Tag, Leak Test all CIBP if no Open Perforations			
Shoe Plug	4400.05	4545.00	144.95	Tag/Verify	264.00	С	Spot cement from 4545' to 1936'. WOC and Tag.
		.3.5.50		If solid base no need to Tag (CIBP present and/or Mechanic al Integrity Test), If Perf & Sqz then Tag, Leak Test all CIBP if no Open Perforatio			Set CIBP at 7414'. Dump bail 35' on top. Leak Test
CIBP Plug	7379.00	7414.00	35.00	ns	4.00	С	CIBP.

Bonesprings @ 8370	8236.30	8420.00		If solid base no need to Tag (CIBP present and/or Mechanic al Integrity Test), If Perf & Sqz then Tag, Leak Test all CIBP if no Open Perforatio ns		Tag PBTD and spot 25 sxs Class H on top from 8420' to 8236'. WOC and Tag.
Shoe Plug	8384.80	8570.00	185.20	Tag/Verify		

No more than 2000' is to be allowed between plugs in open hole, and no more than 3000' between plugs in cased hole.

Class H >7500'

Class C<7500'

Fluid used to mix the cement in R111P shall be saturated with the salts common to the section penetrated, and in suitable proportions, but not more than 3% calcium chloride by weight of cement will be considered the desired mixture whenever possible.

Medium, Secretary: Top of salt to surface If no salt take the deepest fresh water or Karst Depth

High, Critical: Bottom of Karst to surface or Deepest fresh water, whichever is greater

R111P: 50 Feet from Base of Salt to surface.

Class C: 1.32 ft^3/sx Class H: 1.06 ft^3/sx

Onshore Order 2.III.G Drilling Abandonment Requirements: "All formations bearing usable-quality water, oil, gas, or geothermal resources, and/or a prospectively valuable deposit of minerals shall be protected.

Cave Karst/Potash Cement	R111-P	50 Fe	et from Base of Salt to surface
Shoe @ Shoe @	870.00 4495.00		
Shoe @	8520.00	тос @	1936.00
Perforatons Top @	8295.00	Perforations Bottom @ Perforations	8312.00
Perforatons Top @	7464.00	Bottom @	7518.00
		CIBP @	7414.00

Form 3160-5

UNITED STATES

FORM APPROVED OMB No. 1004-0137 Expires:

(June 2019) DF	EPARTMENT OF THE I	NTERIOR			December 31, 2024			
BUI	REAU OF LAND MAN	AGEMENT			5. Lease Serial No. NM	5. Lease Serial No. NM 18848		
Do not use this	NOTICES AND REPO form for proposals t Use Form 3160-3 (A	o drill or to re	e-enter an	1	6. If Indian, Allottee or T	Tribe Name		
	I TRIPLICATE - Other instru	ıctions on page 2			7. If Unit of CA/Agreem	ent, Name and/or No.		
1. Type of Well	W.11	1-2-2-			8. Well Name and No	ODD 13 F Federal #27		
	Well Other				O ADI Wall No	ODD 13 F Federal #27		
2. Name of Operator Harvard Petro	leum Company				9. API Well No. 30-015	-31879		
3a. Address PO Box 936, Roswell	NM 88202	3b. Phone No. (inc. (575) 623-1581	lude area code	?)	 Field and Pool or Ex Ingle Wells Delaware 	•		
4. Location of Well (Footage, Sec., T.	.R.M. or Survey Description)		11/1		11. Country or Parish, St			
1980 FNL & 1930 FEL Section 1					Lea, New Mexico			
12. CH	ECK THE APPROPRIATE BO	OX(ES) TO INDIC	ATE NATURE	OF NOTIO	CE, REPORT OR OTHE	ER DATA		
TYPE OF SUBMISSION			TY	PE OF ACT	ION			
✓ Notice of Intent	Acidize	Deepen		Produ	ection (Start/Resume)	Water Shut-Off		
Trouble of finelit	Alter Casing	Hydrauli	c Fracturing	Recla	mation	Well Integrity		
Subsequent Report	Casing Repair	New Cor	nstruction	Recor	nplete	Other		
	Change Plans	✓ Plug and	Abandon	$=$ \cdot	orarily Abandon			
Final Abandonment Notice	Convert to Injection	Plug Bac	:k	Water	Disposal			
completed. Final Abandonment N is ready for final inspection.) Harvard Petroleum proposes MIRU Pulling Unit. POH w/ r Spot 25 sx Class H @ 8420'; Set CIBP @ 7414' and cap w Load hole with plugging mud Spot 264 sx class C @ 4545'; Perf and squeeze 456 sx clas Surface plug, Verify at surface	to plug the well as follows: to plug the well as follows: ods and tubing 8420' to 8236'. WOC and Tag ith 35' bailed on top of CIBP and test casing to 500 psi. 4545' to 1936'. WOC and tag ss C @ 1936'; 1936' to surface across all casing. casing will be cut off 3' beloen be cleaned and re-media	all requirements, in Leak Test CIBP. (3 - 8 5/8" casing slee. Verify at surface ow ground level, a sted to BLM standa	Class C. hoe, Delaware e - 8 5/8" Top	ation, have 4478', of Salt an	Base of Salt @ 4243'. d 13 3/8" casing shoe	0-4 must be filed once testing has been operator has detennined that the site (In 196 sxs/Out 260 sxs) gs and a dry hole marker will be		
14. I hereby certify that the foregoing	is true and correct. Name (Pri	inted/Typed)	Consultar	.+				
Phelps White	ж	Ti						
Signature		Da	ate		04/28/202	23		
	THE SPACE	FOR FEDER	AL OR ST	ATE OF	ICE USE			
Approved by								
			Title		Da	ate		
Conditions of approval, if any, are att certify that the applicant holds legal of which would entitle the applicant to o	r equitable title to those rights							
Tide 10 TYC C Cookies 1001 and Tide	A2 II C C Continu 1212 make	it a saine of four amount	<u>i-</u>	also and will	falls, to make to one done	artment or commer of the I brited States		

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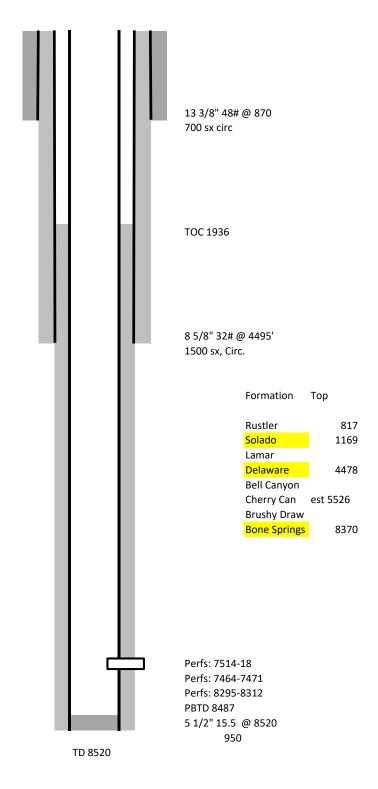
(Instructions on page 2)

Well Bore Diagram Worksheet

Operataor: Harvard Petroleum Co.
Well Name: Todd 13 F Fed 27
API # 30-015-31879
Location: 13, 235, 31E

Date Spud: 11/12/2001 Date Complete: 12/17/2001

Current Wellbore

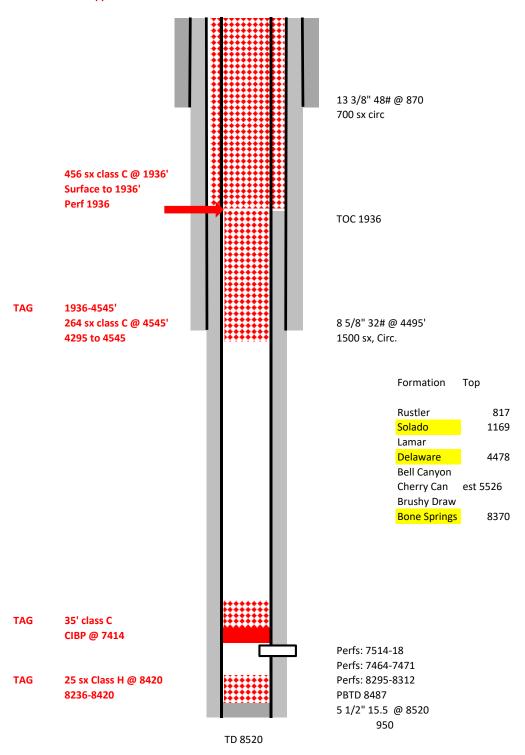


Well Bore Diagram Worksheet

Operataor: Harvard Petroleum Co.
Well Name: Todd 13 F Fed 27
API # 30-015-31879
Location: 13, 23S, 31E

Date Spud: 11/12/2001 Date Complete: 12/17/2001

BLM Approved PLUGS



District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720

District II 811 S. First St., Artesia, NM 88210 Phone:(575) 748-1283 Fax:(575) 748-9720

District III 1000 Rio Brazos Rd., Aztec, NM 87410 Phone:(505) 334-6178 Fax:(505) 334-6170

1220 S. St Francis Dr., Santa Fe, NM 87505 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 281942

CONDITIONS

Operator:	OGRID:
HARVARD PETROLEUM COMPANY, LLC	10155
P.O. Box 936	Action Number:
Roswell, NM 88202	281942
	Action Type:
	[C-103] NOI Plug & Abandon (C-103F)

CONDITIONS

Created By		Condition Date
gcordero	Spot 25 sacks cement 5576' - 5346' - T Cherry Canyon	11/2/2023