

State of New Mexico
Energy, Minerals and Natural Resources Department

Michelle Lujan Grisham
Governor

Sarah Cottrell Propst
Cabinet Secretary

Todd E. Leahy, JD, PhD
Deputy Secretary

Adrienne Sandoval, Director
Oil Conservation Division



Administrative Order WFX-1042
May 20, 2021

**ADMINISTRATIVE ORDER
OF THE OIL CONSERVATION DIVISION**

Under the provisions of Hearing Order No. R-11641, Southwest Royalties Inc (OGRID No. 21355) has made application to the Division for permission to add one injection well to its Crossroads Silurian Devonian Unit in the dolomites of the Devonian Formations in the Crossroads, Siluro-Devonian (Pool code 13490) in Lea County, New Mexico.

THE DIVISION DIRECTOR FINDS THAT:

The application has been duly filed under the provisions of Rule 19.15.26.8(B) NMAC and satisfactory information has been provided that affected parties as defined in said rule have been notified and no objections remain outstanding. The proposed well will be one plugged and abandoned well converted for injection, as detailed in the C-108 Application. The applicant has presented satisfactory evidence that all requirements prescribed in Rule 19.15.26.8 NMAC have been met and the operator is in compliance with Rule 19.15.5.9 NMAC.

The proposed expansion of the above-referenced secondary recovery project, will prevent waste, is in the best interests of conservation, will not impair correlative rights, and should be approved.

IT IS THEREFORE ORDERED THAT:

Southwest Royalties, Inc, as operator, is hereby authorized to inject water into the following well for the purpose of secondary recovery through plastic-lined, 3 1/2-inch diameter tubing within the 7-inch production casing.

API No.	Well	ULSTR	Footage N/S	Footage E/W	Approved Injection Interval (in ft): type ¹	Maximum Surface Injection Pressures
30-025-24285	CSDU #310	P-27-T9S-R36E	986 FSL	1000 FEL	12,130 to 12,350 OH	2426

¹Type: perf indicated injection through perforated casing; OH is injection through open-hole.

The approved injection interval for this well (the “subject well”) is into dolomites of the Siluro-Devonian formation from an approximate open hole depth of 12,130 to 12,350 feet.

The operator shall set the injection packer no more than 100 feet above the shallowest perforation or the open hole for the permitted injection interval for this well. The operator shall be required to submit a written request for an exception if the distance between the packer and the uppermost perforation exceeds 100 feet.

IT IS FURTHER ORDERED THAT:

The operator shall take all steps necessary to ensure that the injected fluid enters only the approved injection interval and is not permitted to escape to other formations or onto the surface.

After installing tubing, the casing-tubing annulus shall be loaded with an inert fluid and equipped with a pressure gauge or an approved leak detection device in order to determine leakage in the casing, tubing, or packer. The casing shall be pressure tested from the surface to the packer setting depth to assure casing integrity.

The subject well shall pass an initial mechanical integrity test (“MIT”) prior to initially commencing injection and prior to resuming injection each time any injection packer is unseated. All MIT testing procedures and schedules shall follow the requirements in Rule 19.15.26.11(A) NMAC. The OCD Director retains the right to require at any time wireline verification of completion and packer setting depths in this well.

The wellhead injection pressure on this subject well shall be limited as listed above. In addition, the injection well or header system shall be equipped with a pressure limiting device in workable condition which shall, at all times, limit surface tubing pressures to the maximum allowable pressure.

Subject to the limitations within the hearing order permitting this project, the Director of the OCD may authorize an increase in tubing pressure upon a proper showing by the operator of said well that such higher pressure will not result in migration of the injected fluids from the approved injection interval. Such proper showing shall be demonstrated by sufficient evidence including but not limited to an acceptable Step-Rate Test.

The operator shall notify the supervisor of the OCD’s District office of the date and time of the installation of injection equipment and of any MIT test so that the same may be inspected and witnessed. The operator shall provide written notice of the date of commencement of injection to the District office. The operator shall submit monthly reports of the injection operations on OCD Form C-115, in accordance with Rules 19.15.26.13 and 19.15.7.24 NMAC.

Without limitation on the duties of the operator as provided in Rules 19.15.29 and 19.15.30 NMAC, or otherwise, the operator shall immediately notify the District office of any failure of the tubing, casing or packer in the approved injection well, or of any leakage or release of water, oil or gas from around any produced or plugged and abandoned well in the area, and shall take such measures as may be timely and necessary to correct such failure or leakage.

The injection authority granted under this order is not transferable except upon OCD approval. The OCD may require the operator to demonstrate mechanical integrity of any injection well that will be transferred prior to approving transfer of authority to inject.

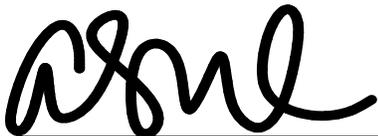
The OCD may revoke this injection permit after notice and hearing if the operator is in violation of Rule 19.15.5.9 NMAC.

PROVIDED FURTHER THAT:

Jurisdiction is retained by the OCD for the entry of such further orders as may be necessary for the prevention of waste and/or protection of correlative rights or upon failure of the operator to conduct operations (1) to protect fresh or protectable waters or (2) consistent with the requirements in this order, whereupon the OCD may, after notice and hearing, terminate the disposal authority granted herein. The subject wells shall be governed by all provisions of Hearing Order No. R-2913 and R-2914 and associated administrative orders.

The injection authority granted herein shall terminate one (1) year after the effective date of this order if the operator has not commenced injection operations into the subject well, provided however, the Director, upon written request by the operator received prior to the one-year deadline, may grant an extension thereof for good cause shown. Additionally, the injection authority granted in this order is subject to Rule 19.15.26.12 NMAC with regards to commencement, discontinuance, and abandonment of operations.

Compliance with this order does not relieve the operator of the obligation to comply with other applicable federal, state or local laws or rules, or to exercise due care for the protection of fresh water, public health and safety and the environment.



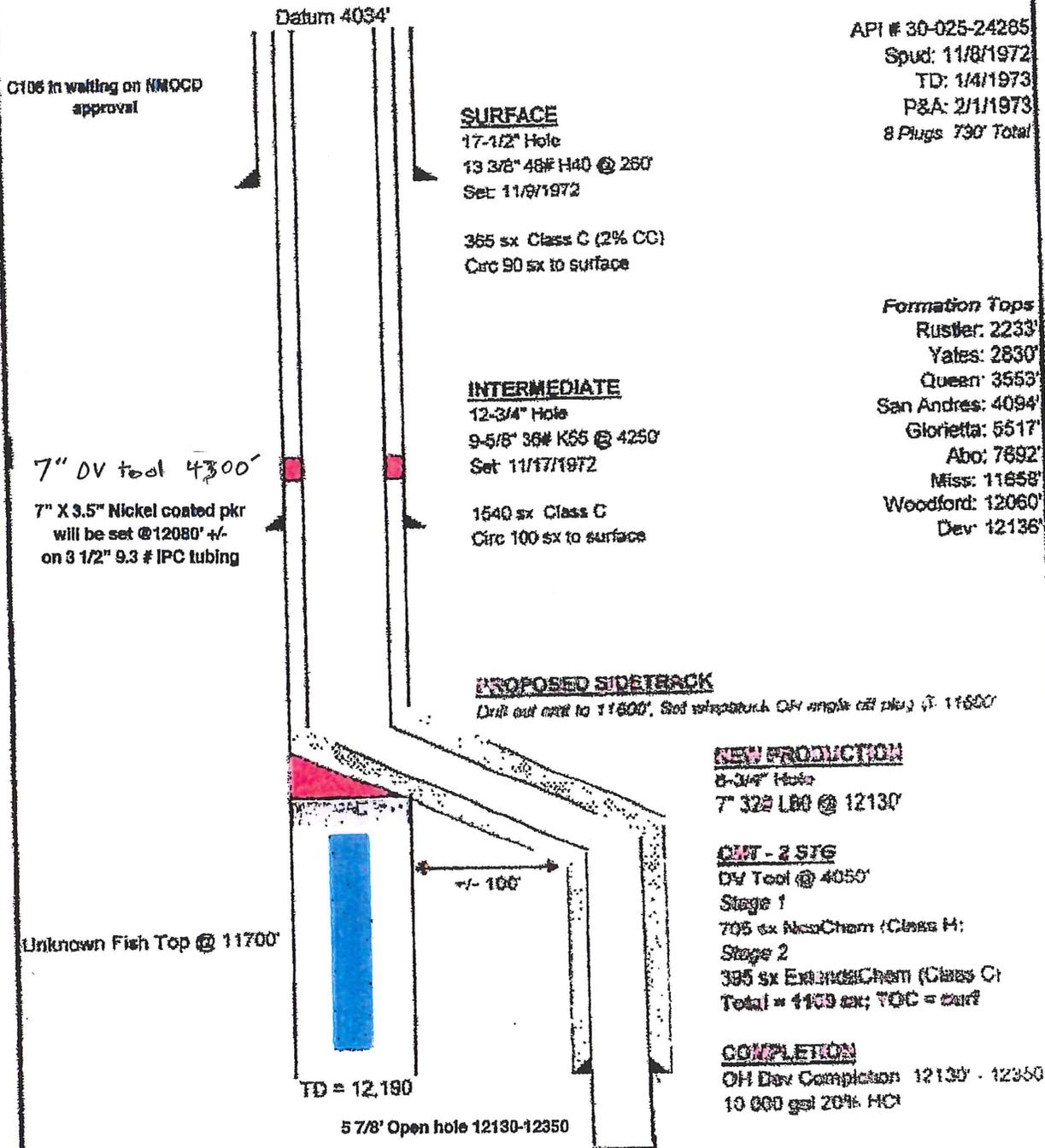
ADRIENNE SANDOVAL
Director

AS/KAM

cc: Oil Conservation Division – Hobbs District Office
R-11641
Cases 12417, 12418

CSDU #310 Re Entry (Previously Sawyer #10 P&A) - PROPOSED WBD

1000' FEL & 986' FSL, Sec 27, T9S, R36E Lea County, NM



API # 30-025-24285
 Spud: 11/8/1972
 TD: 1/4/1973
 P&A: 2/1/1973
 8 Plugs 730' Total

Formation Tops
 Rustler: 2233'
 Yates: 2830'
 Queen: 3553'
 San Andres: 4094'
 Glorieta: 5517'
 Abo: 7892'
 Miss: 11658'
 Woodford: 12060'
 Dev: 12136'

C106 in waiting on NMOCD approval

7" DV tool 4300'

7" X 3.5" Nickel coated pkr will be set @ 12080' +/- on 8 1/2" 9.3 # IPC tubing

Unknown Fish Top @ 11700'

SURFACE
 17-1/2" Hole
 13 3/8" 48# H40 @ 260'
 Set: 11/9/1972

365 sx Class C (2% CC)
 Circ 90 sx to surface

INTERMEDIATE
 12-3/4" Hole
 9-5/8" 36# K65 @ 4250'
 Set: 11/17/1972

1540 sx Class C
 Circ 100 sx to surface

PROPOSED SIDETRACK
 Drill out until to 11600', Set sidetrack DV angle call plug @ 11600'

NEW PRODUCTION
 8-3/4" Hole
 7" 322 LB @ 12130'

DMT - 2 STG
 DV Tool @ 4050'
 Stage 1
 705 sx NeoChem (Class H)
 Stage 2
 395 sx ExoChem (Class C)
 Total = 1100 sx; TOC = surf

COMPLETION
 OH Dev Completion 12130' - 12350'
 10 000 gal 20% HCl

TD = 12,190
 5 7/8" Open hole 12130-12350

Drawn	BY	SOUTHWEST ROYALTIES, INC P.O. BOX 53570 Midland, TX 79710	CSDU #310 1000' FEL, 986' FSL SEC 27 T9S R36E Lea County, NM
1/20/2021	TPC		